



Administrative Package Cover Page

This file contains the following documents:

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



Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

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.

Montgomery Estates, LLC (CN606374064) proposes to operate Montgomery Estates Wastewater Treatment Plant (RN112192109), a domestic wastewater treatment facility. The facility will be located in the southern area of the proposed Montgomery Estates Subdivision which is South of FM 565, East of FM 3180, and West of Cotton Bayou in Mont Belvieu, Chambers County, Texas 77523. This application is for a new application to discharge at a daily average flow of 240,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia nitrogen (NH3-N), and Escherichia coli. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater will be treated by an activated sludge process plant and the treatment units will include a mechanical bar screen, aeration basins, secondary clarifiers, aerated sludge holding basins, and chlorine contact basins.

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

AGUAS RESIDUALES DOMÉSTICAS /AGUAS PLUVIALES

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

Montgomery Estates, LLC (CN606374064) propone operar la Planta de Tratamiento de Aguas Residuales de Montgomery Estates (RN112192109), una instalación de tratamiento de aguas residuales domésticas. La instalación estará ubicada en el área sur de la subdivisión propuesta de Montgomery Estates, que está al sur de FM 565, al este de FM 3180 y al oeste de Cotton Bayou en Mont Belvieu, Chambers County, Texas 77523. Esta solicitud es para una nueva aplicación para descargar a un flujo promedio diario de 240,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan una demanda bioquímica carbonosa de oxígeno (CBOD5) de cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N) y Escherichia coli. En la sección 7 del Informe Técnico Doméstico 1.0 se incluyen contaminantes potenciales adicionales. Análisis de Contaminantes de Efluentes Tratados en el paquete de solicitud de permisos. Las aguas residuales domésticas serán tratadas por una planta de procesamiento de lodos activados y las unidades de tratamiento incluirán una criba de barras mecánica, cuencas de aireación, clarificadores secundarios, cuencas de retención de lodos aireados y cuencas de contacto con cloro.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PROPOSED PERMIT NO. WQ0016785001

APPLICATION. Montgomery Estates LLC, 59 Crown Arbor, Sugar Land, Texas 77498, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016785001 (EPA I.D. No. TX0147711) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 240,000 gallons per day. The domestic wastewater water treatment facility will be located approximately 3,500 feet southeast of the intersection of Farm-to-Market Road 565 and Farm-to-Market Road 3180, near the city of Mont Belvieu, in Chambers County, Texas 77523. The discharge route will be from the plant site via pipe to a manmade ditch; thence to Cotton Bayou Above Tidal; thence to Cotton Bayou Tidal; thence to Cotton Lake; thence to High Tree Bayou; thence to Red Bayou; thence to Trinity Bay. TCEQ received this application on April 9, 2025. The permit application will be available for viewing and copying at Sam and Carmena Goss Memorial Branch Library, Reference Section, 1 John Hall Drive, 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=-94.84,29.795833&level=18>

The application is subject to the goals and policies of the Texas Coastal Management Program and must be consistent with the applicable Coastal Management Program goals and policies.

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

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

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

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

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

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

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

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

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

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

Further information may also be obtained from Montgomery Estates LLC at the address stated above or by calling Mr. Som Chilukrui, Facilities Department Manager, Ward, Getz & Associates, LLC, at 713-799-5749.

Issuance Date: May 5, 2025

Comisión de Calidad Ambiental del Estado de Texas



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

PERMISO PROPUESTO NO. WQ0016785001

SOLICITUD. Montgomery Estates, LLC, 59 Crown Arbor, Sugar Land, Texas 77498, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016785001 (EPA I.D. No. TX 0147711) 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 240,000 galones por día. La planta estará ubicada aproximadamente 3,500 pies al sureste de la intersección de Farm-to-Market Road 565 y Farm-to-Market Road 3180, cerca de la ciudad de Mont Belvieu, en el condado de Chambers, Texas 77523. La ruta de descarga será desde el sitio de la planta a través de una tubería hasta una zanja artificial; de allí a Cotton Bayou por encima de Tidal; de allí a Cotton Bayou Tidal; de allí a Cotton Lake; de allí a High Tree Bayou; de allí a Red Bayou; de allí a Trinity Bay. La TCEQ recibió esta solicitud el 9 de abril de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Sam y Carmena Goss Memorial Branch Library, Sección de Referencia, 1 John Hall Drive, Mont Belvieu, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:

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

Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-94.84,29.795833&level=18>

El Director Ejecutivo de la TCEQ ha revisado esta medida para ver si está de acuerdo con los objetivos y las regulaciones del Programa de Administración Costero de Texas (CMP) de acuerdo con las regulaciones del Consejo Coordinador de la Costa (CCC) y ha determinado que la acción es conforme con las metas y regulaciones pertinentes del CMP.

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

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

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

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

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia

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

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

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

También se puede obtener información adicional del Montgomery Estates, LLC a la dirección indicada arriba o llamando a Sr. Som Chilukuri, Gerente del Departamento de Instalaciones, Ward, Getz & Associates, LLC al 713-799-5749.

Fecha de emisión: 5 de mayo de 2025



April 28, 2025

Abesha Michael
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission on Environmental Quality

RE: Application for Proposed Permit No.: WQ0016785001 (EPA I.D. No. TX0147711)
Applicant Name: Montgomery Estates LLC (CN606374064)
Site Name: Montgomery Estates W/WTP (RN112192109)
Type of Application: New
Response to Notice of Deficiency (NOD)

VIA EMAIL

Dear Abesha,

We received the Notice of Deficiency (NOD), dated April 16, 2025, to the application for the above referenced permit. Please see the following answer s

Comment No. 1: Section II, items 6, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18, Section III, items 34, 35, Section IV, Item 40, 41, 42, pages 1, 2, and 3 of the Core Data Form (CDF). These items were left blank. All items on the form must be completed to ensure that we have the most updated information. Please complete and submit a signed CDF.

Response No. 1: The incorrect version of the form was submitted. Please see the attached revised form that contains all missing information.

Comment No. 2: Section 7 on page 5 of the administrative report: this item indicates Unknown at this Time. However, we need full name and address for the section. You can update anytime by sending email to our department.

Response No. 2: Please see the attached, revised page no. 5.

Comment No. 3: Section 8, item G, Public Involvement Plan Form (PIP) on page 7 of the administrative report: A blank PIP form is included with the application. Please complete the PIP form (use instructions page to complete).

Response No. 3: Please see the attached, revised PIP form. The incorrect form was submitted and the filled out form is included in a response to this NOD.

Comment No. 4: Section 13, USGS Map, Appendix F, on page 10 of the administrative report: Thank you for the USGS topographic map. However, the map is insufficient because the map does not delineate the applicant property boundary and the facility boundary within the applicant boundary. Please delineate both and submit a revised map.

Response No. 4: Please see the attached, revised USGS map.

Comment No. 5: Section 14, Page 11 and Section 3, on page 3 of the administrative report: Thank you for providing a notarized signature page signed by Mr. Aftab 'Alex' Khowaja, Member. However, TCEQ rules require that the application must be signed by a responsible corporate officer (vice president, chairman of Board, Secretary) of Montgomery Estates LLC. Please provide a new notarized signature page 14 and section 3 on page 3, signed by a responsible corporate officer or please submit a document that Mr. Khowaja has delegated authority to sign the application. Please complete the Permit No. and Applicant name: at the beginning of the signature page 14.

Response No. 5: Please see the attached documentation, "Montgomery Estates LLC Company Agreement" showing that Mr. Aftab 'Alex' Khowaja owns 20% stake in the entity. All those listed within the agreement are considered corporate officers and all identify as a member of the company, there are no defined positions in the company.

Comment No. 6: Section 1, Item A, Affected Landowner Information, on page 12 on the administration report. Thank you for the affected landowner's map. However, the northwest side and between property 48 owner and property owner 50 must be delineated unless the road is a divided highway.

Response No. 6: According to Chambers County Appraisal District Interactive GIS Map, the "property" described does not have an owner listed, nor does it show a property boundary for the area. I believe that this is a dedicated county ROW for the future continuation of Cotton Lake Road.

Comment No. 7: Section 1, Item B, Affected Landowner Information, on page 12 on the administration report. Thank you for the cross-referenced mailing list. However, the list must show only the reference No., owner name, and mailing address. Please submit a revised page.

Response No. 7: Please see the attached, revised cross-referenced mailing list.

Comment No. 8: Section 1, Item B, Affected Landowner Information, on page 12 on the administration report. Thank you for the mailing labels. Please email the labels in Microsoft Word Format with the response to this letter. Please use the mailing labels in Avery 5160 label format (3 columns across, 10 columns down). To ensure we can use the media to print

labels, they must be evenly spaced, so that each address prints on one label. Please remove if there is any additional information included in the list, and no punctuation.

Response No. 8: Please see the attached word document of the affected landowner labels.

Comment No. 9: The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

APPLICATION. Montgomery Estates LLC, 59 Crown Arbor, Sugar Land, Texas 77498, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016785001 (EPA I.D. No. TX0147711) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 240,000 gallons per day. The domestic wastewater water treatment facility will be located approximately 3,500 feet southeast of the intersection of Farm-to-Market Road 565 and Farm-to-Market Road 3180, near the city of Mont Belvieu, in Chambers County, Texas 77523. The discharge route will be from the plant site via pipe to unnamed tributary of Cotton Bayou; thence to Cotton Bayou Above Tidal (Pending RWA confirmation). TCEQ received this application on April 9, 2025. The permit application will be available for viewing and copying at Sam and Carmena Goss Memorial Branch Library, Reference Section, 1 John Hall Dr, Mont Belvieu, in Chambers 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=-94.84,29.795833&level=18>

The application is subject to the goals and policies of the Texas Coastal Management Program and must be consistent with the applicable Coastal Management Program goals and policies.

Further information may also be obtained from Montgomery Estates LLC at the address stated above or by calling Mr. Som Chilukuri, Facilities Department Manager, Ward, Getz & Associates, LLC, at 713-799-5749.

Response No. 9: Please see the highlighted changes I have made to the provide NORI above. The first highlighted portion is replacing the "(Mailing address-pending response)" with the mailing address for Montgomery Estates, LLC. The second highlighted portion is correcting the spelling for Mr. Som Chilukuri from

“Chilukrui” to “Chilukuri”. The third highlighted portion is a recent change to Ward, Getz & Associates legal name and is now considered “LLC” and not “LLP”.

Comment No. 10: The application indicates that the public notices in Spanish are required. After confirming the portion of the NORI above does not contain any errors or omissions, please use the attached template to translate the NORI into Spanish. Only the first and last paragraphs are unique to this application and require translation. Please provide the translated Spanish NORI in a Microsoft Word Document.

Response No. 10: Please see the attached Microsoft Word Document of the translated Spanish NORI. All changes made in the English NORI above have been addressed in this version.

If you have any questions or require any further information, please don't hesitate to contact me at aanderson@wga-llc.com or by phone at 346-771-5311.

Sincerely,



Audrey Anderson
Project Engineer
Phone: 346-771-5311
Email: aanderson@wga-llc.com
Ward, Getz & Associates

Enclosure(s)

Cc: Mr. Som Chilukuri, Facilities Department Manager, Ward, Getz & Associates, LLP, 2500 Tanglewilde, Suite 120, Houston, Texas 77063 (schilukuri@wga-llc.com).



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN		RN

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)						
<input checked="" type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information		<input type="checkbox"/> Change in Regulated Entity Ownership				
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)								
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:				
Montgomery Estates, LLC								
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits) 833314589	10. DUNS Number (if applicable)			
11. Type of Customer:		<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited			
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:				
12. Number of Employees				13. Independently Owned and Operated?				
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following								
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:								
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant								
15. Mailing Address:	59 Crown Arbor							
City	Sugarl Land		State	TX	ZIP	77498	ZIP + 4	
16. Country Mailing Information (if outside USA)				17. E-Mail Address (if applicable)				
				bana276@gmail.com				
18. Telephone Number			19. Extension or Code		20. Fax Number (if applicable)			

SECTION III: Regulated Entity Information**21. General Regulated Entity Information** (If 'New Regulated Entity' is selected, a new permit application is also required.)☒ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

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

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

Montgomery Estates Wastewater Treatment Plant

23. Street Address of the Regulated Entity:(No PO Boxes)

City

State

ZIP

ZIP + 4

24. County

Chambers

If no Street Address is provided, fields 25-28 are required.**25. Description to Physical Location:**

Approximately 3,500 ft southeast of the intersection of Farm to Market Road 3180 and Farm to Market Road 565.

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

Mont Belvieu

TX

77523

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

27. Latitude (N) In Decimal:

29.795824°

28. Longitude (W) In Decimal:

-94.840002°

Degrees

Minutes

Seconds

Degrees

Minutes

Seconds

29°

47°

44.9664°

-94°

50°

24.0072°

29. Primary SIC Code**30. Secondary SIC Code****31. Primary NAICS Code****32. Secondary NAICS Code**

(4 digits)

(4 digits)

(5 or 6 digits)

(5 or 6 digits)

4942

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

Treatment of domestic wastewater

34. Mailing Address:

59 Crown Arbor

City

Sugar Land

State

TX

ZIP

77498

ZIP + 4

35. E-Mail Address:

bana276@gmail.com

36. Telephone Number**37. Extension or Code****38. Fax Number** (if applicable)

(713) 894-9322

() -

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

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Audrey Anderson			41. Title:	Project Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address		
(346) 771-5311		() -	aanderson@wga-llp.com		

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Montgomery Estates, LLC		Job Title:		
Name (In Print):				Phone:	() -
Signature:				Date:	

B. Prefix: Ms. Last Name, First Name: Anderson, Audrey
Title: Project Engineer Credential: Click to enter text.
Organization Name: Ward, Getz & Associates, LLP
Mailing Address: 2500 Tanglewilde, Suite 120 City, State, Zip Code: Houston, TX 77063
Phone No.: 346-771-5311 E-mail Address: aanderson@wga-llp.com

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Mr. Last Name, First Name: Khowaja, Aftab 'Alex'
Title: Member Credential: Click to enter text.
Organization Name: Montgomery Estates, LLC
Mailing Address: 59 Crown Arbor City, State, Zip Code: Sugar Land, TX 77498
Phone No.: 713-894-9322 E-mail Address: bana276@gmail.com

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

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

Prefix: Mr. Last Name, First Name: Duhon, Garret
Title: District Engineer Credential: P.E.
Organization Name: Ward, Getz & Associates, LLC
Mailing Address: 2500 Tanglewilde, Suite 120 City, State, Zip Code: Houston, Tx 77063
Phone No.: 713-789-1900 E-mail Address: gduhon@wga-llc.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms. Last Name, First Name: Anderson, Audrey
Title: Project Engineer Credential: Click to enter text.
Organization Name: Ward, Getz & Associates, LLP
Mailing Address: 2500 Tanglewilde, Suite 120 City, State, Zip Code: Houston, TX 77063
Phone No.: 346-771-5311 E-mail Address: aanderson@wga-llp.com

Comisión de Calidad Ambiental del Estado de Texas



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

PERMISO PROPUESTO NO. WQ00

SOLICITUD. Montgomery Estates, LLC, 59 Crown Arbor, Sugar Land, Texas 77498, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016785001 (EPA I.D. No. TX 0147711) 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 240,000 galones por día. La planta estará ubicada aproximadamente 3,500 pies al sureste de la intersección de Farm-to-Market Road 565 y Farm-to-Market Road 3180, cerca de la ciudad de Mont Belvieu, en el condado de Chambers, Texas 77523. La ruta de descarga estará del sitio de la planta a través de una tubería hasta un afluente sin nombre del Cotton Bayou; de allí a Cotton Bayou Above Tidal (*Pending RWA confirmation*). La TCEQ recibió esta solicitud el 9 de abril de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Sam y Carmena Goss Memorial Branch Library, Sección de Referencia, 1 John Hall Dr, Mont Belvieu, en el condado de Chambers, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-94.84,29.795833&level=18>

[Include the following non-italicized sentence if the facility is located in the Coastal Management Program boundary. The Coastal Management Program boundary is the area along the Texas Coast of the Gulf of México as depicted on the map in 31 TAC §503.1 and includes part or all of the following counties: Cameron, Willacy, Kenedy, Kleberg, Nueces, San Patricio, Aransas, Refugio, Calhoun, Victoria, Jackson, Matagorda, Brazoria, Galveston, Harris, Chambers, Jefferson y Orange.] El Director Ejecutivo de la TCEQ ha revisado esta medida para ver si está de acuerdo con los objetivos y las regulaciones del Programa de Administración Costero de Texas (CMP) de acuerdo con las regulaciones del Consejo Coordinador de la Costa (CCC) y ha determinado que la acción es conforme con las metas y regulaciones pertinentes del CMP.

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

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

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

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

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

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

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

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

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

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

También se puede obtener información adicional del Montgomery Estates, LLC a la dirección indicada arriba o llamando a Sr. Som Chilukuri, Gerente del Departamento de Instalaciones, Ward, Getz & Associates, LLC al 713-799-5749.

Fecha de emisión: *[Date notice issued]*



Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

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

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

Section 1. Preliminary Screening

- ☒ New Permit or Registration Application
☐ New Activity - modification, registration, amendment, facility, etc. (see instructions)

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

Section 2. Secondary Screening

- ☒ Requires public notice,
☒ Considered to have significant public interest, **and**
☐ Located within any of the following geographical locations:

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

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

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

Not Located in the geographical locations listed above.

Section 3. Application Information

Type of Application (check all that apply):

Air ☐ Initial ☐ Federal ☐ Amendment ☐ Standard Permit ☐ Title V
Waste ☐ Municipal Solid Waste ☐ Industrial and Hazardous Waste ☐ Scrap Tire
☐ Radioactive Material Licensing ☐ Underground Injection Control

Water Quality

☐ Texas Pollutant Discharge Elimination System (TPDES)
☐ Texas Land Application Permit (TLAP)
☐ State Only Concentrated Animal Feeding Operation (CAFO)
☐ Water Treatment Plant Residuals Disposal Permit
☐ Class B Biosolids Land Application Permit
☐ Domestic Septage Land Application Registration

Water Rights New Permit

☐ New Appropriation of Water
☐ New or existing reservoir

Amendment to an Existing Water Right

☐ Add a New Appropriation of Water
☐ Add a New or Existing Reservoir
☐ Major Amendment that could affect other water rights or the environment

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Section 5. Community and Demographic Information

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

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

(City)

(County)

(Census Tract)

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

☐

City

☐

County

☐

Census Tract

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

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

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

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

(e) Languages commonly spoken in area by percentage

(f) Community and/or Stakeholder Groups

(g) Historic public interest or involvement

Section 6. Planned Public Outreach Activities

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

☐ Yes ☐ No

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

☐ Yes ☐ No

If Yes, please describe.

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

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

☐ Yes ☐ No

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

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

- ☐ Publish in alternative language newspaper
- ☐ Posted on Commissioner's Integrated Database Website
- ☐ Mailed by TCEQ's Office of the Chief Clerk
- ☐ Other (specify)

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

- ☐ TCEQ Regional Office ☐ TCEQ Central Office
- ☐ Public Place (specify)

Section 7. Voluntary Submittal

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

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

☐ Yes ☐ No

What types of notice will be provided?

- ☐ Publish in alternative language newspaper
- ☐ Posted on Commissioner's Integrated Database Website
- ☐ Mailed by TCEQ's Office of the Chief Clerk
- ☐ Other (specify)

REF NO.	OWNER NAME	MAILING ADDRESS				
		STREET	CITY	ST	ZIP	ZIP+4
1	GILBERT APRIL & SCOTT	1967 BISCAYNE BLVD	NAVARRE	FL	32566	
2	NEWLIN DANIEL D & KANDY E	5858 NATCHEZ TRACE	COVE	TX	77523	
3	MULLINS DAVID HUGH & PATRICIA LYNN	5902 CAJUN WAY	BAYTOWN	TX	77523	
4	STOERNER FORREST & SARA	5910 CAJUN WAY	BAYTOWN	TX	77523	
5	MODISETTE BRADLEY & JULIE	5918 CAJUN WAY	COVE	TX	77523	
6	ST JOHN TERRI	5934 CAJUN WAY	BAYTOWN	TX	77523	
7	BOOZER CHRIS & HALEY	5942 CAJUN WAY	BAYTOWN	TX	77523	
8	COGGIN JAMES K & DEIDRA A	1602 BAYOU BREEZE	BAYTOWN	TX	77523	
9	ELLENDER DONALD J & MELINDA F	P.O. BOX 2041	MT BELVIEU	TX	77580	
10	MUSCHALEK JEFFREY T	1610 BAYOU BREEZE	BAYTOWN	TX	77523	
11	FLETCHER KIRK	1618 BAYOU BREEZE	BAYTOWN	TX	77523	
12	TYDLACKA VINCENT JR ET UX	1622 BAYOU BREEZE	BAYTOWN	TX	77523	8444
13	VASQUEZ JASON & STACEY	1626 BAYOU BREEZE DR	BAYTOWN	TX	77523	8444
14	RUTLEDGE RONALD & CELIA	1630 BAYOU BREEZE	BAYTOWN	TX	77523	
15	SCHINDLER BEAUX & BAYLIE COMEAUX	1634 BAYOU BREEZE DR	BAYTOWN	TX	77523	
16	QUARTZ CLINTON & THERESA	1638 BAYOU BREEZE DRIVE	BAYTOWN	TX	77523	
17	SCHILLINGS NATHAN & JESSICA	1702 BAYOU BREEZE DR	BAYTOWN	TX	77523	2788
18	WHITEMAN SEAN E & LESLIE L	1706 BAYOU BREEZE DR	COVE	TX	77523	
19	LEWIS DAVID W & AUTUMN A	1710 BAYOU BREEZE	BAYTOWN	TX	77523	
20	PARKER RICHARD J & VICKY	1714 BAYOU BREEZE	BAYTOWN	TX	77523	
21	MALONE BLAIR & BRYAN	3011 ROYAL PALM DR	BAYTOWN	TX	77523	
22	SKAGGS KEVIN	11222 KINGS POINT BLVD	DAYTON	TX	77535	
23	EAGLE POINT HOMES LLC	7520 FM 3180 #600	BAYTOWN	TX	77523	
24	WINFREE BAYOU ESTATES LLC	59 CROWN ARBOR	SUGAR LAND	TX	77498	
25	PARSONS ADAM T & KELLY	6875 CHERRY BAYOU DR	BAYTOWN	TX	77523	
26	CIZMAR BRYAN A & AMANDA V SMITH	6867 CHERRY BAYOU DR	BAYTOWN	TX	77523	
27	CARTER KEVIN & JESSICA	6859 CHERRY BAYOU DR	BAYTOWN	TX	77523	
28	STALZER ROBERT A & JESSICA GARRETT	6851 CHERRY BAYOU DR	BAYTOWN	TX	77523	
29	STONE HEATH JARED & ERIN MARIE	6843 CHERRY BAYOU DR	BAYTOWN	TX	77523	

REF NO.	OWNER NAME	MAILING ADDRESS				
		STREET	CITY	ST	ZIP	ZIP+4
30	CAIN AUSTIN P & COURTNEY J	6835 CHERRY BAYOU DR	BAYTOWN	TX	77523	
31	SHARPLEY JOSHUA H & CHELSIE B	6827 CHERRY BAYOU DR	BAYTOWN	TX	77523	
32	WOODALL JULE B & KEVIN	6819 CHERRY BAYOU DR	BAYTOWN	TX	77523	
33	RANEY ROGER & TAMMY	6811 CHERRY BAYOU DR	BAYTOWN	TX	77523	
34	RHEMANN JASON & ASHLEY	6803 CHERRY BAYOU DR	BAYTOWN	TX	77523	
35	BLANCHAT JOSEPH & STEPHANIE	4759 PINELOCH BAYOU DR	BAYTOWN	TX	77523	
36	WALLS KEITH E & AMY	4751 PINELOCH BAYOU DR	BAYTOWN	TX	77523	
37	WINFREE BAYOU ESTATES LLC	59 CROWN ARBOR	SUGAR LAND	TX	77498	
38	MOUTON TIMOTHY WAYNE & DANA MICHELLE	4735 PINELOCH BAYOU DRIVE	BAYTOWN	TX	77523	
39	PETERSON CHRISTINA MICHELE & ROBERT	4727 PINELOCH BAYOU AVE	BAYTOWN	TX	77523	
40	WINFREE BAYOU ESTATES LLC	59 CROWN ARBOR	SUGAR LAND	TX	77498	
41	TAYLOR LAURA LEE	4719 PINELOCH BAYOU DR	BAYTOWN	TX	77523	
42	HOLDER ROBERT & DEBORAH	4711 PINELOCH BAYOU DR	BAYTOWN	TX	77523	
43	FALCON ANOTNIO JR & JESSICA YVONNE	4703 PINELOCH BAYOU DRIVE	BAYTOWN	TX	77523	
44	MORRIS HUNTER & AMI	4651 PINELOCH BAYOU DR	BAYTOWN	TX	77523	
45	SEIDEL SYBIL J & LOUIS F	4643 PINELOCH BAYOU DR	BAYTOWN	TX	77523	
46	HARPER CHARLES RAYMOND	6910 FM 3180 RD	BAYTOWN	TX	77523	7461
46	HARPER CHARLES RAYMOND	6910 FM 3180 RD	BAYTOWN	TX	77523	7461
47	KARL PROPERTIES INC	12609 E RIVER RUN	MONT BELVIEU	TX	77523	
48	KARL PROPERTIES INC	12609 E RIVER RUN	MONT BELVIEU	TX	77523	
49	MONTGOMERY WYNONA MARIE & BRITT	5130 COTTON LAKE RD	COVE	TX	77523	
50	JOHNSON ERIC N & LAURA J	3211 TRINITY DR	BAYTOWN	TX	77523	
51	MONTGOMERY WYNONA MARIE & BRITT	5130 COTTON LAKE RD	COVE	TX	77523	
51	MONTGOMERY WYNONA MARIE & BRITT	5130 COTTON LAKE RD	COVE	TX	77523	
52	WALLACE CHRISTOPHER MICHAEL & KIMBERLY RENEE	28 COTTON BAYOU CIRCLE	COVE	TX	77523	
53	WALLACE CHRISTOPHER MICHAEL & KIMBERLY RENEE	28 COTTON BAYOU CIRCLE	COVE	TX	77523	
54	FLORENCE WILLIAM G	1538 CHESHIRE LN	HOUSTON	TX	77018	
55	MOMIN RENISH ALI	5119 BEACON POINTE	SUGAR LAND	TX	77479	
56	MADDOX MATTHEW R	2502 DROXFORD DR	HOUSTON	TX	77008	
57	PORTO LAURO	2 SAPLING PLACE	SPRING	TX	77382	

APRIL & SCOTT GILBERT
1967 BISCAYNE BLVD
NAVARRE FL 32566

DANIEL & KANDY NEWLIN
5858 NATCHEZ TRACE
COVE TX 77523

DAVID & PATRICIA MULLINS
5902 CAJUN WAY
BAYTOWN TX 77523

FOREST & SARA STOERNER
5910 CAJUN WAY
BAYTOWN TX 77523

BRADLEY & JULIE MODISETTE
5918 CAJUN WAY
COVE TX 77523

ST JOHN TERRI
5934 CAJUN WAY
BAYTOWN TX 77523

CHRIS & HALEY BOOZER
5942 CAJUN WAY
BAYTOWN TX 77523

JAMES & DEIDRA COGGIN
1602 BAYOU BREEZE
BAYTOWN TX 77523

DONALD & MELINDA ELLENDER
PO BOX 2041
MONT BELVIEU TX 77580

JEFFERY MUSCHALEK
1610 BAYOU BREEZE
BAYTOWN TX 77523

KIRK FLETCHER
1618 BAYOU BREEZE
BAYTOWN TX 77523

VINCENT TYDLACKA JR ET UX
1622 BAYOU BREEZE
BAYTOWN TX 77523-8444

JASON & STACY VASQUEZ
1626 BAYOU BREEZE DR
BAYTOWN TX 77523-8444

RONALD & CELIA RUTLEDGE
1630 BAYOU BREEZE
BAYTOWN TX 77523

BEAUX & BAYLIE SCHINDLER
1634 BAYOU BREEZE DR
BAYTOWN TX 77523

CLINTON & THERESA QUARTZ
1638 BAYOU BREEZE DR
BAYTOWN TX 77523

NATHAN & JESSICA SCHILLINGS
1702 BAYOU BREEZE DR
BAYTOWN TX 77523

SEAN & LESLIE WHITEMAN
1706 BAYOU BREEZE DR
COVE TX 77523

DAVID & AUTUMN LEWIS
1710 BAYOU BREEZE
BAYTOWN TX 77523

RICHARD & VICKY PARKER
1714 BAYOU BREEZE
BAYTOWN TX 77523

BLAIR & BRIAN MALONE
3011 ROYAL PALM DRIVE
BAYTOWN TX 77523

KEVIN SKAGGS
11222 KINGS POINT BLVD
DAYTON TX 77535

EAGLE POINT HOMES LLC
7520 FM 3180 SUITE 600
BAYTOWN TX 77523

WINFREE BAYOU ESTATES LLC
59 CROWN ARBOR
SUGAR LAND TX 77498

ADAM & KELLY PARSONS
6875 CHERRY BAYOU DR
BAYTOWN TX 77523

BRYAN & AMANDA CIZMAR
6867 CHERRY BAYOU DR
BAYTOWN TX 77523

KEVIN & JESSICA CARTER
6859 CHERRY BAYOU DR
BAYTOWN TX 77523

ROBERT & JESSICA STALZER
6851 CHERRY BAYOU DR
BAYTOWN TX 77523

HEATH & ERIN STONE
6843 CHERRY BAYOU DR
BAYTOWN TX 77523

AUSTIN & COURTNEY CAIN
6835 CHERRY BAYOU DR
BAYTOWN TX 77523

JOSHUA & CHELSIE SHARPLEY
6827 CHERRY BAYOU DR
BAYTOWN TX 77523

JULE & KEVIN WOODALL
6819 CHERRY BAYOU DR
BAYTOWN TX 77523

ROGER & TAMMY RANEY
6811 CHERRY BAYOU DR
BAYTOWN TX 77523

JASON & ASHLEY RHEMANN
6803 CHERRY BAYOU DR
BAYTOWN TX 77523

JOSEPH & STEPHANIE
BLANCHAT
4759 PINELOCH BAYOU DR
BAYTOWN TX 77523

KEITH & AMY WALLS
4751 PINELOCH BAYOU DR
BAYTOWN TX 77523

WINFREE BAYOU ESTATES LLC
59 CROWN ARBOR
SUGAR LAND TX 77498

TIMOTHY & DANA MOUTON
4735 PINELOCH BAYOU DR
BAYTOWN TX 77523

CHRISTINA & ROBERT
PETERSON
4727 PINELOCH BAYOU AVE
BAYTOWN TX 77523

WINFREE BAYOU ESTATES LLC
59 CROWN ARBOR
SUGAR LAND TX 77498

LAURA TAYLOR
4719 PINELOCH BAYOU DR
BAYTOWN TX 77523

ROBERT & DEBORAH HOLDER
4711 PINELOCH BAYOU DR
BAYTOWN TX 77523

ANTONIO JR & JESSICA FALCON
4703 PINELOCH BAYOU DR
BAYTOWN TX 77523

HUNTER & AMI MORRIS
4651 PINELOCH BAYOU DR
BAYTOWN TX 77523

SYBIL & LOUIS SEIDEL
4643 PINELOCH BAYOU DR
BAYTOWN TX 77523

CHARLES HARPER
6910 FM 3180 RD
BAYTOWN TX 77523

CHARLES HARPER
6910 FM 3180 RD
BAYTOWN TX 77523

KARL PROPERTIES INC
12609 E RIVER RUN
MONT BELVIEU TX 77523

KARL PROPERTIES INC
12609 E RIVER RUN
MONT BELVIEU TX 77523

WYNONA & BRITT
MONTGOMERY
5130 COTTON LAKE RD
COVE TX 77523

ERIC & LAURA JOHNSON
3211 TRINITY DR
BAYTOWN TX 77523

WYNONA & BRITT
MONTGOMERY
5130 COTTON LAKE RD
COVE TX 77523

WYNONA & BRITT
MONTGOMERY
5130 COTTON LAKE RD
COVE TX 77523

CHRISTOPHER & KIMBERLY
WALLACE
28 COTTON BAYOU CIRCLE
COVE TX 77523

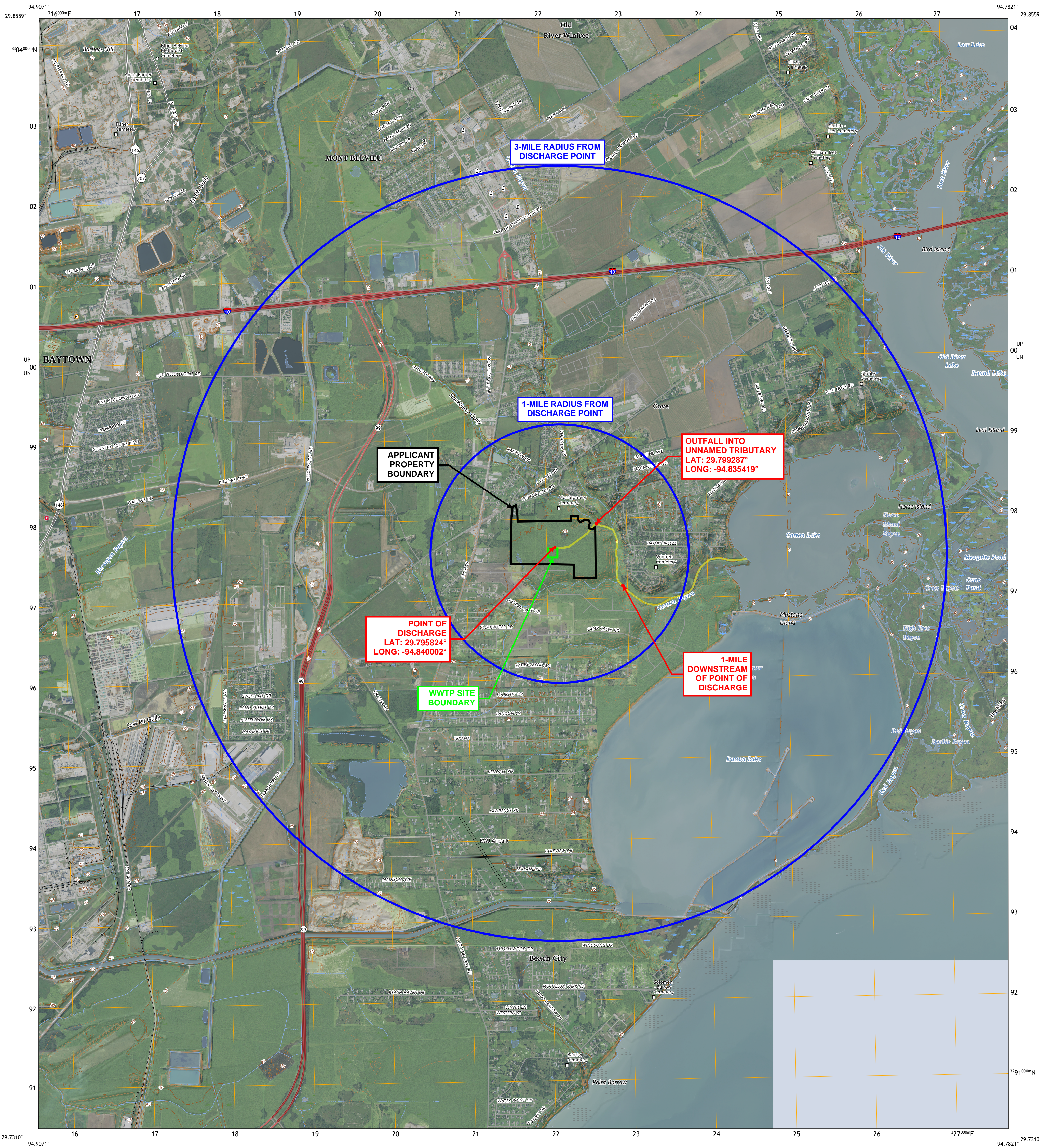
CHRISTOPHER & KIMBERLY
WALLACE
28 COTTON BAYOU CIRCLE
COVE TX 77523

WILLIAM FLORENCE
1538 CHESHIRE LN
HOUSTON TX 77018

RENISH ALI MOMIN
5119 BEACON POINTE
SUGAR LAND TX 77479

MATTHEW MADDOX
2502 DROXFORD DR
HOUSTON TX 77008

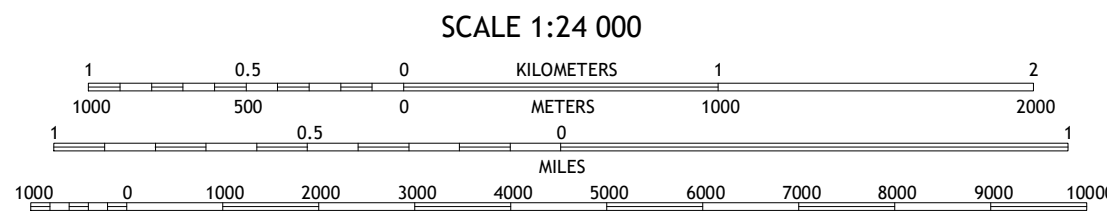
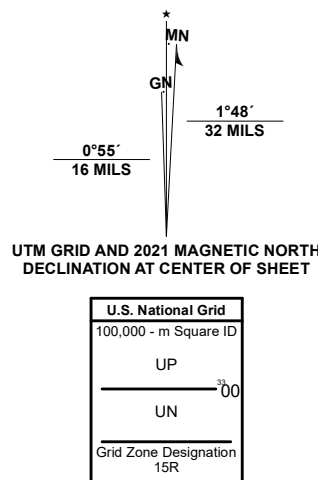
PORTO LAUR
2 SAPLING PLACE
SPRING TX 77382



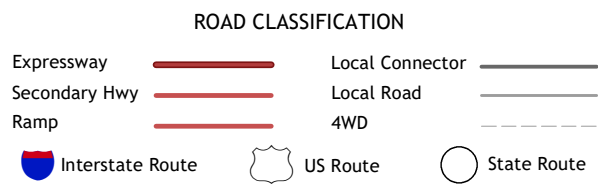
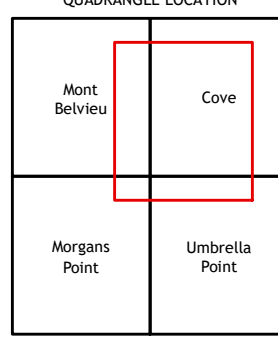
Produced by the United States Geological Survey
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1 000-meter grid/Universal Transverse Mercator, Zone 15R
Data is provided by The National Map (TNM), is the best available at the time of map
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CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988
CONTOUR SMOOTHNESS = Medium



7.5-MINUTE TOPO, TX
2025



April 8, 2025

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

Re: Montgomery Estates, LLC
Montgomery Estates Wastewater Treatment Plant
TPDES Permit Application (NEW)
PERMIT NO. WQ00-PENDING

Water Quality Division:

Ward, Getz, and Associates, LLP is submitting a complete Texas Pollutant Discharge Elimination System (TPDES) Permit Application for the proposed Montgomery Estates Wastewater Treatment Plant on behalf of Montgomery Estates, LLC. Please find attached one (1) original and two (2) copies of the TPDES permit application. An electronic copy has been uploaded to TCEQ's FTP Server and sent to WQDeCopy@tceq.texas.gov.

The permit application fee was paid via check and mailed to the TCEQ Financial Administration Division. A copy of the check was included within each copy of the permit application.

If you have any questions, or require any additional information, please contact Audrey Anderson at 346-771-5311, or by email at aanderson@wga-llp.com.

Sincerely,

Audrey Anderson
Project Engineer
Ward, Getz & Associates, LLP

**TCEQ APPLICATION FOR TPDES
PERMIT
NEW**

FOR

**MONTGOMERY ESTATES
WWTP**

IN

Chambers County, Texas

ON BEHALF OF

Montgomery Estates, LLC

BY



WARD, GETZ & ASSOCIATES, PLLC
TEXAS REGISTERED ENGINEERING FIRM F-9756
2500 Tanglewilde, Suite 120
Houston, TX 77063
713.789.1900

April 2025



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Montgomery Estates, LLC

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

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

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

For TCEQ Use Only

Segment Number _____ County _____
Expiration Date _____ Region _____
Permit Number _____



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**DOMESTIC WASTEWATER PERMIT APPLICATION
ADMINISTRATIVE REPORT 1.0**

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

Section 1. Application Fees (Instructions Page 26)

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

Flow	New/Major Amendment	Renewal
<0.05 MGD	\$350.00 <input type="checkbox"/>	\$315.00 <input type="checkbox"/>
≥0.05 but <0.10 MGD	\$550.00 <input type="checkbox"/>	\$515.00 <input type="checkbox"/>
≥0.10 but <0.25 MGD	\$850.00 <input checked="" type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input type="checkbox"/>	\$1,215.00 <input type="checkbox"/>
≥0.50 but <1.0 MGD	\$1,650.00 <input type="checkbox"/>	\$1,615.00 <input type="checkbox"/>
≥1.0 MGD	\$2,050.00 <input type="checkbox"/>	\$2,015.00 <input type="checkbox"/>

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number: 13503
Check/Money Order Amount: \$850.00
Name Printed on Check: Ward, Getz & Associates, LLP
EPAY Voucher Number: N/A
Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 26)

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

- ☒ Publicly Owned Domestic Wastewater
☒ Privately-Owned Domestic Wastewater
☐ Conventional Water Treatment

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

- ☐ Active ☒ Inactive

DATE	INVOICE NO.	COMMENT	AMOUNT	NET AMOUNT
04/01/2025	20250401TCEQ	00528-005 Montgomery Estates NEW TPDES Applicati		850.00
DATE 04/01/25			VENDOR Texas Commission on Environmental Quality	TOTAL 850.00

WARNING - THIS CHECK IS PROTECTED BY SPECIAL SECURITY FEATURES

NEWFIRST NATIONAL BANK

88-479
1131

13503

Eight Hundred Fifty and no/100

DATE	AMOUNT
04/01/25	13503 \$850.00

PAY
TO THE
ORDER
OFTEXAS COMMISSION ON ENVIRONMENTAL QUALITY
FINANCIAL ADMINISTRATION DIVISION
CASHIER'S OFFICE, MC-214
P.O. BOX 13088
AUSTIN TX 78711

SECURITY FEATURES INCLUDE FOIL HOLOGRAM • HEAT SENSITIVE ICON • MICROPRINT • MULTI-COLOR BACKGROUND

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

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

d. Check the box next to the appropriate application type

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

e. For amendments or modifications, describe the proposed changes: [Click to enter text.](#)

f. For existing permits:

Permit Number: WQ00 N/A

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

Expiration Date: N/A

Section 3. Facility Owner (Applicant) and Co-Applclicant 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?

Montgomery Estates, LLC

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

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?

You may search for your CN on the TCEQ website at <http://www15.tceq.texas.gov/crpub/>

CN: N/A

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

Prefix: [Click to enter text.](#)

Last Name, First Name: Khowaja, Aftab 'Alex'

Title: Member

Credential: [Click to enter text.](#)

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

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

N/A

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

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

CN: N/A

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

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

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

C. Core Data Form

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

Section 4. Application Contact Information (Instructions Page 27)

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

- A. Prefix: Mr. Last Name, First Name: Chilukuri, Som
Title: Facilities Department Manager Credential: P.E.
Organization Name: Ward, Getz & Associates, LLP
Mailing Address: 2500 Tanglewilde, Suite 120 City, State, Zip Code: Houston, TX 77063
Phone No.: 713-799-5749 E-mail Address: schilukuri@wga-llp.com
Check one or both: ☒ Administrative Contact ☒ Technical Contact
- B. Prefix: Ms. Last Name, First Name: Anderson, Audrey
Title: Project Engineer Credential: Click to enter text.
Organization Name: Ward, Getz & Associates, LLP
Mailing Address: 2500 Tanglewilde, Suite 120 City, State, Zip Code: Houston, TX 77063
Phone No.: 346-771-5311 E-mail Address: aanderson@wga-llp.com
Check one or both: ☒ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

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

- A. Prefix: Mr. Last Name, First Name: Chilukuri, Som
Title: Facilities Department Manager Credential: P.E.
Organization Name: Ward, Getz & Associates, LLP
Mailing Address: 2500 Tanglewilde, Suite 120 City, State, Zip Code: Houston, TX 77063
Phone No.: 713-799-5749 E-mail Address: schilukuri@wga-llp.com

B. Prefix: Ms. Last Name, First Name: Anderson, Audrey
Title: Project Engineer Credential: [Click to enter text.](#)
Organization Name: Ward, Getz & Associates, LLP
Mailing Address: 2500 Tanglewilde, Suite 120 City, State, Zip Code: Houston, TX 77063
Phone No.: 346-771-5311 E-mail Address: aanderson@wga-llp.com

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Mr. Last Name, First Name: Khowaja, Aftab 'Alex'
Title: Member Credential: [Click to enter text.](#)
Organization Name: Montgomery Estates, LLC
Mailing Address: 59 Crown Arbor City, State, Zip Code: Sugar Land, TX 77498
Phone No.: 713-894-9322 E-mail Address: bana276@gmail.com

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

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

Prefix: Unknown at this time Last Name, First Name: [Click to enter text.](#)
Title: [Click to enter text.](#) Credential: [Click to enter text.](#)
Organization Name: [Click to enter text.](#)
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.](#)

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms. Last Name, First Name: Anderson, Audrey
Title: Project Engineer Credential: [Click to enter text.](#)
Organization Name: Ward, Getz & Associates, LLP
Mailing Address: 2500 Tanglewilde, Suite 120 City, State, Zip Code: Houston, TX 77063
Phone No.: 346-771-5311 E-mail Address: aanderson@wga-llp.com

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

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

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Mr. Last Name, First Name: Chilukrui, Som

Title: Facilities Department Manager Credential: P.E.

Organization Name: Ward, Getz & Associates, LLP

Mailing Address: 2500 Tanglewilde, Suite 120 City, State, Zip Code: Houston, TX 77063

Phone No.: 713-799-5749 E-mail Address: schilukuri@wga-llp.com

D. Public Viewing Information

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

Public building name: Sam and Carmena Goss Memorial Branch Library

Location within the building: Reference Section

Physical Address of Building: 1 John Hall Dr

City: Mont Belvieu County: Chambers

Contact (Last Name, First Name): Belt, Yolie

Phone No.: 281-576-2245 Ext.: Click to enter text.

E. Bilingual Notice Requirements

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

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

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

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

☒ Yes ☐ No

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

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

F. Summary of Application in Plain Language Template

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

Attachment: Appendix B

G. Public Involvement Plan Form

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

Attachment: Appendix C

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

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

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

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

Montgomery Eestates WWTP

C. Owner of treatment facility: Montgomery Estates, LLC

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

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

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: Montgomery Estates, LLC

Mailing Address: 59 Crown Arbor City, State, Zip Code: Sugar Land, TX 77498

Phone No.: 713-894-9322 E-mail Address: bana276@gmail.com

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

Attachment: N/A

E. Owner of effluent disposal site:

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

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

Attachment: N/A

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

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

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

Attachment: N/A

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☐ Yes ☐ No

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

South of FM 565 Road, East of FM 3180 Road, West of Cotton Bayou, North of Cherry Bayou Drive.

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

☐ Yes ☐ No

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

The plant will discharge into an 18" RCP before outfalling into a manmade ditch. Flow will travel approximately 2,000 ft before it's confluence with an unnamed tributary of Cotton Bayou, thence to Cotton Bayou Above Tidal (Unclassified Segment 0801E), thence to Cotton Lake.

City nearest the outfall(s): Mont Belvieu

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

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

☐ Yes ☒ No

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

☐ Authorization granted ☐ Authorization pending

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

Attachment: N/A

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

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes ☒ No

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

N/A

- B. City nearest the disposal site: N/A

- C. County in which the disposal site is located: N/A

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

N/A

- E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: N/A

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

Click to enter text.

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

☐ Yes ☒ No

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

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account number: N/A

Amount past due: N/A

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, please provide the following information:

Enforcement order number: N/A

Amount past due: N/A

Section 13. Attachments (Instructions Page 33)

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

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

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

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

☒ Attachment 1 for Individuals as co-applicants

☒ Other Attachments. Please specify: [Click to enter text.](#)

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: [Click to enter text.](#)

Applicant: [Click to enter text.](#)

Certification:

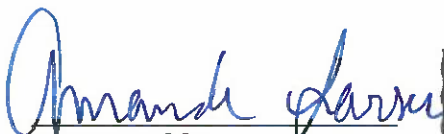
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage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

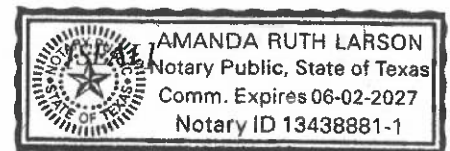
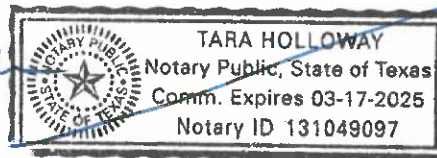
I further certify that I am authorized under 30 Texas Administrative Code § 305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signatory name (typed or printed): Aftab "Alex" Khawaja
Signatory title: Member

Signature:  Date: 3-20-2025
(Use blue ink)

Subscribed and Sworn to before me by the said Aftab "Alex" Khawaja
on this 20th day of March, 2025.
My commission expires on the 2nd day of June, 2027.


Notary Public



Harris, Texas.
County, Texas

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

- A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:
- ☒ The applicant's property boundaries
 - ☒ The facility site boundaries within the applicant's property boundaries
 - ☒ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
 - ☒ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
 - ☒ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
 - ☒ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
 - ☒ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
 - ☒ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
 - ☒ The property boundaries of all landowners surrounding the effluent disposal site
 - ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
 - ☒ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located
- B. ☒ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.
- C. ☒ Indicate by a check mark that the landowners list has also been provided as mailing labels in electronic format (Avery 5160).
- D. Provide the source of the landowners' names and mailing addresses: Chambers County Appraisal District
- E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?
- ☐ Yes ☒ No

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

N/A

Section 2. Original Photographs (Instructions Page 38)

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

- ☒ At least one original photograph of the new or expanded treatment unit location
- ☒ At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.
- ☒ At least one photograph of the existing/proposed effluent disposal site
- ☒ A plot plan or map showing the location and direction of each photograph

Section 3. Buffer Zone Map (Instructions Page 38)

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

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

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

- ☒ Ownership
- ☐ Restrictive easement
- ☒ Nuisance odor control
- ☐ Variance

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

- ☒ Yes ☐ No

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

This form applies to TPDES permit applications only. Complete and attach the Supplemental Permit information Form (SPIF) (TCEQ Form 20971).

Attachment: Appendix F

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: Pending

1. Check or Money Order Number: 13503
2. Check or Money Order Amount: \$850.00
3. Date of Check or Money Order: 04/01/2025
4. Name on Check or Money Order: Ward, Getz & Associates
5. APPLICATION INFORMATION

Name of Project or Site: Montgomery Estates WWTP

Physical Address of Project or Site: South of FM 565 and East of FM 3180 and North of Cherry Bayou

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.

WARNING - THIS CHECK IS PROTECTED BY SPECIAL SECURITY FEATURES

NEWFIRST NATIONAL BANK

88-479
1131

13503

Eight Hundred Fifty and no/100

DATE

04/01/25

AMOUNT

13503

\$850.00

PAY
TO THE
ORDER
OF

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
FINANCIAL ADMINISTRATION DIVISION
CASHIER'S OFFICE, MC-214
P.O. BOX 13088
AUSTIN TX 78711



[Handwritten signature]

SECURITY FEATURES INCLUDE FOIL HOLOGRAM • HEAT SENSITIVE ICON • MICROPRINT • MULTICOLOR BACKGROUND

ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 41)

Complete this attachment if the facility applicant or co-applicant is an individual. Make additional copies of this attachment if both are individuals.

Prefix (Mr., Ms., Miss): [Click to enter text.](#)

Full legal name (Last Name, First Name, Middle Initial): [Click to enter text.](#)

Driver's License or State Identification Number: [Click to enter text.](#)

Date of Birth: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Phone Number: [Click to enter text.](#) Fax Number: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

CN: [Click to enter text.](#)

For Commission Use Only:

Customer Number:

Regulated Entity Number:

Permit Number:

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) ☒ Yes
*(Required for all application types. Must be completed in its entirety and signed.
 Note: Form may be signed by applicant representative.)*

Correct and Current Industrial Wastewater Permit Application Forms ☒ Yes
(TCEQ Form Nos. 10053 and 10054. Version dated 6/25/2018 or later.)

Water Quality Permit Payment Submittal Form (Page 19) ☒ Yes
(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)

7.5 Minute USGS Quadrangle Topographic Map Attached ☒ Yes
*(Full-size map if seeking "New" permit.
 8 ½ x 11 acceptable for Renewals and Amendments)*

Current/Non-Expired, Executed Lease Agreement or Easement ☒ N/A ☐ Yes

Landowners Map ☐ N/A ☒ Yes
(See instructions for landowner requirements)

Things to Know:

- All the items shown on the map must be labeled.
- The applicant's complete property boundaries must be delineated which includes boundaries of contiguous property owned by the applicant.
- The applicant cannot be its own adjacent landowner. You must identify the landowners immediately adjacent to their property, regardless of how far they are from the actual facility.
- If the applicant's property is adjacent to a road, creek, or stream, the landowners on the opposite side must be identified. Although the properties are not adjacent to applicant's property boundary, they are considered potentially affected landowners. If the adjacent road is a divided highway as identified on the USGS topographic map, the applicant does not have to identify the landowners on the opposite side of the highway.

Landowners Labels and Cross Reference List ☐ N/A ☒ Yes
(See instructions for landowner requirements)

Electronic Application Submittal ☒ Yes
(See application submittal requirements on page 23 of the instructions.)

Original signature per 30 TAC § 305.44 - Blue Ink Preferred ☒ Yes
(If signature page is not signed by an elected official or principle executive officer, a copy of signature authority/delegation letter must be attached)

Summary of Application (in Plain Language) ☒ Yes



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

A. Existing/Interim I Phase

Design Flow (MGD): 0.06

2-Hr Peak Flow (MGD): 0.24

Estimated construction start date: July 2026

Estimated waste disposal start date: January 2027

B. Interim II Phase

Design Flow (MGD): 0.12

2-Hr Peak Flow (MGD): 0.48

Estimated construction start date: July 2028

Estimated waste disposal start date: January 2029

C. Final Phase

Design Flow (MGD): 0.24

2-Hr Peak Flow (MGD): 0.96

Estimated construction start date: July 2034

Estimated waste disposal start date: February 2035

D. Current Operating Phase

Provide the startup date of the facility: N/A

Section 2. Treatment Process (Instructions Page 42)

A. Current Operating Phase

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

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

Appendix I

B. Treatment Units

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

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Appendix J		

C. Process Flow Diagram

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

Attachment: **Appendix K**

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

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

- Latitude: 29.795852°
- Longitude: -94.842000°

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

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

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

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

Attachment: **Appendix L**

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

A proposed subdivision called Montgomery Estates. The subdivision will have an ultimate buildout of 425 single family lots and various commercial development.

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

Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
Montgomery Estates	Montgomery Estates, LLC	Privately Owned	1,000
		Choose an item.	
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 44)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

N/A

Section 5. Closure Plans (Instructions Page 44)

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

N/A

Section 6. Permit Specific Requirements (Instructions Page 44)

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

A. Summary transmittal

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

☐ Yes ☒ No

If **yes**, provide the date(s) of approval for each phase: [Click to enter text.](#)

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

N/A

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

[Click to enter text.](#)

C. Other actions required by the current permit

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

☐ Yes ☐ No

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

N/A

D. Grit and grease treatment

1. Acceptance of grit and grease waste

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

☐ Yes ☒ No

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

2. Grit and grease processing

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

N/A

3. Grit disposal

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

☐ Yes ☒ No

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

Describe the method of grit disposal.

N/A

4. Grease and decanted liquid disposal

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

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

N/A

E. Stormwater management

1. Applicability

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

2. MSGP coverage

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

☐ Yes ☐ No

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

TXR05 N/A or TXRNE N/A

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

☐ Yes ☐ No

3. Conditional exclusion

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

☐ Yes ☐ No

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

N/A

4. Existing coverage in individual permit

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

☐ Yes ☐ No

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

N/A

5. Zero stormwater discharge

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

☐ Yes ☐ No

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

N/A

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

6. Request for coverage in individual permit

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

☐ Yes ☐ No

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

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

N/A

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

If yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions.
N/A

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

1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the sludge, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

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

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

If **yes to any of the above**, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the septic waste, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

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

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

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

☐ Yes ☒ No

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

N/A

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

Is the facility in operation?

☐ Yes ☒ No

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

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l					
Total Suspended Solids, mg/l					
Ammonia Nitrogen, mg/l					
Nitrate Nitrogen, mg/l					
Total Kjeldahl Nitrogen, mg/l					
Sulfate, mg/l					
Chloride, mg/l					
Total Phosphorus, mg/l					
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
<i>E.coli</i> (CFU/100ml) freshwater					
Enterococci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, μ mohs/cm, †					
Oil & Grease, mg/l					
Alkalinity (CaCO ₃)*, mg/l					

*TPDES permits only

†TLAP permits only

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity (CaCO ₃), mg/l					

Section 8. Facility Operator (Instructions Page 49)

Facility Operator Name: TBDFacility Operator's License Classification and Level: TBDFacility Operator's License Number: TBD

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

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

Check all that apply. See instructions for guidance

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

B. WWTP's Sewage Sludge or Biosolids Treatment Process

Check all that apply. See instructions for guidance.

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

C. Sewage Sludge or Biosolids Management

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

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

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Other	Off-site Third-Party Handler or Preparer	Not Applicable		N/A: Transported to another facility for further processing	N/A: Transported to another facility for further processing
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

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

D. Disposal site

Disposal site name: TBD

TCEQ permit or registration number: TBD

County where disposal site is located: TBD

E. Transportation method

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

Name of the hauler: TBD

Hauler registration number: TBD

Sludge is transported as a:

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

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

B. Sludge processing authorization

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

Sludge Composting	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Marketing and Distribution of Biosolids	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Sludge Surface Disposal or Sludge Monofill	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Temporary storage in sludge lagoons	<input type="checkbox"/> Yes	<input type="checkbox"/> No

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

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:
Attachment: N/A
- USDA Natural Resources Conservation Service Soil Map:
Attachment: N/A
- Federal Emergency Management Map:
Attachment: N/A
- Site map:
Attachment: N/A

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

- ☐ Overlap a designated 100-year frequency flood plain
- ☐ Soils with flooding classification
- ☐ Overlap an unstable area
- ☐ Wetlands

- ☐ Located less than 60 meters from a fault
- ☐ None of the above

Attachment: N/A

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

N/A

B. Temporary storage information

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

Nitrate Nitrogen, mg/kg: N/A

Total Kjeldahl Nitrogen, mg/kg: N/A

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

Phosphorus, mg/kg: N/A

Potassium, mg/kg: N/A

pH, standard units: N/A

Ammonia Nitrogen mg/kg: N/A

Arsenic: N/A

Cadmium: N/A

Chromium: N/A

Copper: N/A

Lead: N/A

Mercury: N/A

Molybdenum: N/A

Nickel: N/A

Selenium: N/A

Zinc: N/A

Total PCBs: N/A

Provide the following information:

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

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

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

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of 1×10^{-7} cm/sec?

☐ Yes ☐ No

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

N/A

D. Site development plan

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

N/A

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)
Attachment: N/A
- Copy of the closure plan
Attachment: N/A
- Copy of deed recordation for the site
Attachment: N/A
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons
Attachment: N/A
- Description of the method of controlling infiltration of groundwater and surface water from entering the site
Attachment: N/A
- Procedures to prevent the occurrence of nuisance conditions
Attachment: N/A

E. Groundwater monitoring

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

☐ Yes ☐ No

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

Attachment: N/A

Section 12. Authorizations/Compliance/Enforcement (Instructions Page 54)

A. Additional authorizations

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

☐ Yes ☒ No

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

N/A

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

N/A

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

A. RCRA hazardous wastes

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

☐ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

Attachment: N/A

Section 14. Laboratory Accreditation (Instructions Page 55)

All laboratory tests performed must meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*, which includes the following general exemptions from National Environmental Laboratory Accreditation Program (NELAP) certification requirements:

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

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

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

CERTIFICATION:

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

Printed Name: Aftab "Alex" Khawaja

Title: Member

Signature: 

Date: 3-20-2025

DOMESTIC WASTEWATER PERMIT APPLICATION

TECHNICAL REPORT 1.1

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

Section 1. Justification for Permit (Instructions Page 56)

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.

This plant will serve a new residential subdivision consisting of approximately 425 single family homes and future commercial development in the area. The first phase of the plant can serve the first 3 sections of the residential subdivision (approximately 170 homes) . A market study provided by the owner anticipates the absorption rate to be 7 units/month. Within two years, the plant will need to be upsized to the second phase based on the anticipated growth. Estimates population in Chambers County, as of 2024, is 56,179. Population growth in the county increased by 20% from April 2020 to July 2024. Plants in the area are not capable of providing sanitary sewer treatment for the proposed development as they do not have the capacity or the land available to upsize their existing facilities to accommodate the ultimate flow of the proposed subdivision. With the new subdivision, the land will be set aside for the proposed plant and will be of sufficient size for all phases of the development.

B. Regionalization of facilities

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

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

1. *Municipally incorporated areas*

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

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

☐ Yes ☒ No ☐ Not Applicable

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

If yes, attach correspondence from the city.

Attachment: N/A

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

Attachment: N/A

¹ <https://www.tceq.texas.gov/permitting/wastewater/tceq-regionalization-for-wastewater>

2. Utility CCN areas

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

☐ Yes ☒ No

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

Attachment: N/A

3. Nearby WWTPs or collection systems

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

☒ Yes ☐ No

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

Attachment: Appendix M

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

Attachment: Appendix M

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

Attachment: N/A

Section 2. Proposed Organic Loading (Instructions Page 58)

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): Click to enter text.

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

Average Influent Loading (lbs/day = total average flow X average BOD₅ conc. X 8.34): Click to enter text.

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

Click 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 BOD ₅ Concentration (mg/l)
Municipality		
Subdivision	Ph I - 0.06 MGD Ph II - 0.12 MGD Ph III - 0.24 MGD	Ph I - 300 Ph II - 300 Ph III - 300
Trailer park - transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria, no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory		
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources	Ph I - 0.06 MGD Ph II - 0.12 MGD Ph III - 0.24 MGD	
AVERAGE BOD ₅ from all sources		Ph I - 300 Ph II - 300 Ph III - 300

Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 58)

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: 2

Dissolved Oxygen, mg/l: 4

Other: [Click to enter text.](#)

B. Interim II Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: 2

Dissolved Oxygen, mg/l: 4

Other: [Click to enter text.](#)

C. Final Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: 2

Dissolved Oxygen, mg/l: 4

Other: [Click to enter text.](#)

D. Disinfection Method

Identify the proposed method of disinfection.

☒ Chlorine: 8 mg/l after 20 minutes detention time at peak flow

Dechlorination process: N/A

☐ Ultraviolet Light: N/A seconds contact time at peak flow

☐ Other: N/A

Section 4. Design Calculations (Instructions Page 58)

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

Attachment: [Appendix N](#)

Section 5. Facility Site (Instructions Page 59)

A. 100-year floodplain

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

☒ Yes ☐ No

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

N/A

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

FEMA Flood Insurance Map 48071Co190E for Chambers County Incorporated Areas.

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

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

B. Wind rose

Attach a wind rose: [Appendix O](#)

Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 59)

A. Beneficial use authorization

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

☐ Yes ☒ No

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

B. Sludge processing authorization

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

- ☐ Sludge Composting
- ☐ Marketing and Distribution of sludge
- ☐ Sludge Surface Disposal or Sludge Monofill

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

Section 7. Sewage Sludge Solids Management Plan (Instructions Page 60)

Attach a solids management plan to the application.

Attachment: [Appendix P](#)

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

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

Section 1. Domestic Drinking Water Supply (Instructions Page 63)

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

☐ Yes ☒ No

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

Owner of the drinking water supply: N/A

Distance and direction to the intake: N/A

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

Attachment: N/A

Section 2. Discharge into Tidally Affected Waters (Instructions Page 63)

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

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

A. Receiving water outfall

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

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

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

N/A

C. Sea grasses

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

☐ Yes ☐ No

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

N/A

Section 3. Classified Segments (Instructions Page 63)

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 63)

Name of the immediate receiving waters: proposed Manmade drainage ditch

A. Receiving water type

Identify the appropriate description of the receiving waters.

- ☐ Stream
- ☐ Freshwater Swamp or Marsh
- ☐ Lake or Pond

Surface area, in acres: Click to enter text.

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

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

- ☒ Man-made Channel or Ditch
- ☐ Open Bay
- ☐ Tidal Stream, Bayou, or Marsh
- ☐ Other, specify: Click to enter text.

B. Flow characteristics

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

- ☒ Intermittent - dry for at least one week during most years
- ☐ Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses
- ☐ Perennial - normally flowing

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

- ☐ USGS flow records
- ☒ Historical observation by adjacent landowners
- ☐ Personal observation
- ☐ Other, specify: Click to enter text.

C. Downstream perennial confluences

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

Unnamed Tributary of Cotton Bayou, Cotton Bayou Above Tidal, and Cotton Lake

D. Downstream characteristics

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

☒ Yes ☐ No

If yes, discuss how.

Water will travel 2,500 ft in the manmade ditch before it's confluence with the unnamed tributary. From the confluence, water will travel approximately 750 ft before reaching the unclassified segment 0801E, Cotton Bayou Above Tidal where it travels approximately 5,000 ft before reaching unclassified segment 0801C for 3,800 feet before reaching Cotton Lake.

E. Normal dry weather characteristics

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

Dry.

Date and time of observation: March 30, 2025

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

Section 5. General Characteristics of the Waterbody (Instructions Page 65)

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.

- | | |
|---|--|
| <input type="checkbox"/> Oil field activities | <input checked="" type="checkbox"/> Urban runoff |
| <input type="checkbox"/> Upstream discharges | <input type="checkbox"/> Agricultural runoff |
| <input type="checkbox"/> Septic tanks | <input type="checkbox"/> Other(s), specify: Click to enter text. |

B. Waterbody uses

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

- | | |
|--|--|
| <input type="checkbox"/> Livestock watering | <input type="checkbox"/> Contact recreation |
| <input type="checkbox"/> Irrigation withdrawal | <input type="checkbox"/> Non-contact recreation |
| <input type="checkbox"/> Fishing | <input type="checkbox"/> Navigation |
| <input type="checkbox"/> Domestic water supply | <input type="checkbox"/> Industrial water supply |
| <input type="checkbox"/> Park activities | <input checked="" type="checkbox"/> Other(s), specify: <u>Storm Drainage</u> |

C. Waterbody aesthetics

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

- ☒ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional
- ☐ Natural Area: trees and/or native vegetation; some development evident (from fields, pastures, dwellings); water clarity discolored
- ☐ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid
- ☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 2.1: STREAM PHYSICAL CHARACTERISTICS

Required for new applications, major facilities, and applications adding an outfall.

Worksheet 2.1 is not required for discharges to intermittent streams or discharges directly to (or within 300 feet of) a classified segment.

Section 1. General Information (Instructions Page 65)

Date of study: [Click to enter text.](#) Time of study: [Click to enter text.](#)

Stream name: [Click to enter text.](#)

Location: [Click to enter text.](#)

Type of stream upstream of existing discharge or downstream of proposed discharge (check one).

☐ Perennial ☐ Intermittent with perennial pools

Section 2. Data Collection (Instructions Page 65)

Number of stream bends that are well defined: [Click to enter text.](#)

Number of stream bends that are moderately defined: [Click to enter text.](#)

Number of stream bends that are poorly defined: [Click to enter text.](#)

Number of riffles: [Click to enter text.](#)

Evidence of flow fluctuations (check one):

☐ Minor ☐ moderate ☐ severe

Indicate the observed stream uses and if there is evidence of flow fluctuations or channel obstruction/modification.

[Click to enter text.](#)

Stream transects

In the table below, provide the following information for each transect downstream of the existing or proposed discharges. Use a separate row for each transect.

Table 2.1(1) - Stream Transect Records

Stream type at transect Select riffle, run, glide, or pool. See Instructions, Definitions section.	Transect location	Water surface width (ft)	Stream depths (ft) at 4 to 10 points along each transect from the channel bed to the water surface. Separate the measurements with commas.
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			

Section 3. Summarize Measurements (Instructions Page 65)

Streambed slope of entire reach, from USGS map in feet/feet: [Click to enter text.](#)

Approximate drainage area above the most downstream transect (from USGS map or county highway map, in square miles): [Click to enter text.](#)

Length of stream evaluated, in feet: [Click to enter text.](#)

Number of lateral transects made: [Click to enter text.](#)

Average stream width, in feet: [Click to enter text.](#)

Average stream depth, in feet: [Click to enter text.](#)

Average stream velocity, in feet/second: [Click to enter text.](#)

Instantaneous stream flow, in cubic feet/second: [Click to enter text.](#)

Indicate flow measurement method (type of meter, floating chip timed over a fixed distance, etc.): [Click to enter text.](#)

Size of pools (large, small, moderate, none): [Click to enter text.](#)

Maximum pool depth, in feet: [Click to enter text.](#)

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND DISPOSAL OF EFFLUENT

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

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

Identify the method of land disposal:

- | | |
|---|--|
| <input type="checkbox"/> Surface application | <input type="checkbox"/> Subsurface application |
| <input type="checkbox"/> Irrigation | <input type="checkbox"/> Subsurface soils absorption |
| <input type="checkbox"/> Drip irrigation system | <input type="checkbox"/> Subsurface area drip dispersal system |
| <input type="checkbox"/> Evaporation | <input type="checkbox"/> Evapotranspiration beds |
| <input type="checkbox"/> Other (describe in detail): Click to enter text. | |

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

For existing authorizations, provide Registration Number: [Click to enter text.](#)

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

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

Table 3.0(1) – Land Application Site Crops

Crop Type & Land Use	Irrigation Area (acres)	Effluent Application (GPD)	Public Access? Y/N

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

Table 3.0(2) – Storage and Evaporation Ponds

Pond Number	Surface Area (acres)	Storage Volume (acre-feet)	Dimensions	Liner Type

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

Attachment: [Click to enter text.](#)

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

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

☐ Yes ☐ No

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

[Click to enter text.](#)

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

[Click to enter text.](#)

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

[Click to enter text.](#)

Section 5. Annual Cropping Plan (Instructions Page 67)

Attach an Annual Cropping Plan which includes a discussion of each of the following items. If not applicable, provide a detailed explanation indicating why. **Attachment:** [Click to enter text.](#)

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

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

Attach a USGS map with the following information shown and labeled. If not applicable, provide a detailed explanation indicating why. **Attachment:** [Click to enter text.](#)

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

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

Table 3.0(3) – Water Well Data

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
			Choose an item.	
			Choose an item.	
			Choose an item.	
			Choose an item.	
			Choose an item.	

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

Attachment: [Click to enter text.](#)

Section 7. Groundwater Quality (Instructions Page 68)

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

Attachment: [Click to enter text.](#)

Are groundwater monitoring wells available onsite? ☐ Yes ☐ No

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

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

Attachment: [Click to enter text.](#)

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

A. Soil map

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

Attachment: [Click to enter text.](#)

B. Soil analyses

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

Attachment: [Click to enter text.](#)

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

Table 3.0(4) – Soil Data

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number

Section 9. Effluent Monitoring Data (Instructions Page 70)

Is the facility in operation?

☐ Yes ☐ No

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

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

Table 3.0(5) – Effluent Monitoring Data

[illegible]

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

Click to enter text.

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 3.1: SURFACE LAND DISPOSAL OF EFFLUENT

The following is required for new and major amendment permit applications. Renewal and minor amendment permit applications may be asked for this worksheet on a case by case basis.

Section 1. Surface Disposal (Instructions Page 71)

Complete the item that applies for the method of disposal being used.

A. Irrigation

Area under irrigation, in acres: [Click to enter text.](#)

Design application frequency:

hours/day [Click to enter text.](#) And days/week [Click to enter text.](#)

Land grade (slope):

average percent (%): [Click to enter text.](#)

maximum percent (%): [Click to enter text.](#)

Design application rate in acre-feet/acre/year: [Click to enter text.](#)

Design total nitrogen loading rate, in lbs N/acre/year: [Click to enter text.](#)

Soil conductivity (mmhos/cm): [Click to enter text.](#)

Method of application: [Click to enter text.](#)

Attach a separate engineering report with the water balance and storage volume calculations, method of application, irrigation efficiency, and nitrogen balance.

Attachment: [Click to enter text.](#)

B. Evaporation ponds

Daily average effluent flow into ponds, in gallons per day: [Click to enter text.](#)

Attach a separate engineering report with the water balance and storage volume calculations.

Attachment: [Click to enter text.](#)

C. Evapotranspiration beds

Number of beds: [Click to enter text.](#)

Area of bed(s), in acres: [Click to enter text.](#)

Depth of bed(s), in feet: [Click to enter text.](#)

Void ratio of soil in the beds: [Click to enter text.](#)

Storage volume within the beds, in acre-feet: [Click to enter text.](#)

Attach a separate engineering report with the water balance and storage volume calculations, and a description of the lining.

Attachment: [Click to enter text.](#)

D. Overland flow

Area used for application, in acres: [Click to enter text.](#)

Slopes for application area, percent (%): [Click to enter text.](#)

Design application rate, in gpm/foot of slope width: [Click to enter text.](#)

Slope length, in feet: [Click to enter text.](#)

Design BOD₅ loading rate, in lbs BOD₅/acre/day: [Click to enter text.](#)

Design application frequency:

hours/day: [Click to enter text.](#) **And** days/week: [Click to enter text.](#)

Attach a separate engineering report with the method of application and design requirements according to *30 TAC Chapter 217*.

Attachment: [Click to enter text.](#)

Section 2. Edwards Aquifer (Instructions Page 72)

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

☐ Yes ☐ No

If **yes**, is the facility located on the Edwards Aquifer Recharge Zone?

☐ Yes ☐ No

If **yes**, attach a geological report addressing potential recharge features.

Attachment: [Click to enter text.](#)

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 3.2: SURFACE LAND DISPOSAL OF EFFLUENT

The following **is required** for **new and major amendment** permit applications. Renewal and minor amendments applicants may be asked for the worksheet on a case by case basis.

NOTE: All applicants proposing new/amended subsurface disposal **MUST** complete and submit Worksheet 7.0. This worksheet applies to any subsurface disposal system that **does not meet** the definition of a subsurface area drip dispersal system as defined in *30 TAC Chapter 222, Subsurface Area Drip Dispersal System*.

Section 1. Subsurface Application (Instructions Page 73)

Identify the type of system:

- ☐ Conventional Gravity Drainfield, Beds, or Trenches (new systems must be less than 5,000 GPD)
- ☐ Low Pressure Dosing
- ☐ Other, specify: [Click to enter text.](#)

Application area, in acres: [Click to enter text.](#)

Area of drainfield, in square feet: [Click to enter text.](#)

Application rate, in gal/square foot/day: [Click to enter text.](#)

Depth to groundwater, in feet: [Click to enter text.](#)

Area of trench, in square feet: [Click to enter text.](#)

Dosing duration per area, in hours: [Click to enter text.](#)

Number of beds: [Click to enter text.](#)

Dosing amount per area, in inches/day: [Click to enter text.](#)

Infiltration rate, in inches/hour: [Click to enter text.](#)

Storage volume, in gallons: [Click to enter text.](#)

Area of bed(s), in square feet: [Click to enter text.](#)

Soil Classification: [Click to enter text.](#)

Attach a separate engineering report with the information required in *30 TAC § 309.20*, excluding the requirements of *§ 309.20 b(3)(A)* and *(B)* design analysis which may be asked for on a case by case basis. Include a description of the schedule of dosing basin rotation.

Attachment: [Click to enter text.](#)

Section 2. Edwards Aquifer (Instructions Page 73)

Is the subsurface system over the Edwards Aquifer Recharge Zone as mapped by TCEQ?

- ☐ Yes ☐ No

Is the subsurface system over the Edwards Aquifer Transition Zone as mapped by TCEQ?

- ☐ Yes ☐ No

If yes to either question, the subsurface system may be prohibited by *30 TAC §213.8*. Please call the Municipal Permits Team, at 512-239-4671, to schedule a pre-application meeting.

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 3.3: SUBSURFACE AREA DRIP DISPERSAL (SADDS) LAND DISPOSAL OF EFFLUENT

The following **is required** for **new and major amendment** subsurface area drip dispersal system permit applications. Renewal and minor amendments applicants may be asked for the worksheet on a case by case basis.

NOTE: All applicants proposing new/amended subsurface disposal **MUST** complete and submit Worksheet 7.0. This worksheet applies to any subsurface disposal system that **meets** the definition of a subsurface area drip dispersal system as defined in *30 TAC Chapter 222, Subsurface Area Drip Dispersal System*.

Section 1. Administrative Information (Instructions Page 74)

A. Provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the treatment facility:

B. [Click to enter text.](#) Is the owner of the land where the treatment facility is located the same as the owner of the treatment facility?

☐ Yes ☐ No

If **no**, provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the land where the treatment facility is located.

[Click to enter text.](#)

C. Owner of the subsurface area drip dispersal system: [Click to enter text.](#)

D. Is the owner of the subsurface area drip dispersal system the same as the owner of the wastewater treatment facility or the site where the wastewater treatment facility is located?

☐ Yes ☐ No

If **no**, identify the names of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in Item 1.C.

[Click to enter text.](#)

E. Owner of the land where the subsurface area drip dispersal system is located: [Click to enter text.](#)

F. Is the owner of the land where the subsurface area drip dispersal system is located the same as owner of the wastewater treatment facility, the site where the wastewater treatment facility is located, or the owner of the subsurface area drip dispersal system?

☐ Yes ☐ No

If **no**, identify the name of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in item 1.E.

[Click to enter text.](#)

Section 2. Subsurface Area Drip Dispersal System (Instructions Page 74)

A. Type of system

- ☐ Subsurface Drip Irrigation
- ☐ Surface Drip Irrigation
- ☐ Other, specify: [Click to enter text.](#)

B. Irrigation operations

Application area, in acres: [Click to enter text.](#)

Infiltration Rate, in inches/hour: [Click to enter text.](#)

Average slope of the application area, percent (%): [Click to enter text.](#)

Maximum slope of the application area, percent (%): [Click to enter text.](#)

Storage volume, in gallons: [Click to enter text.](#)

Major soil series: [Click to enter text.](#)

Depth to groundwater, in feet: [Click to enter text.](#)

C. Application rate

Is the facility located **west** of the boundary shown in *30 TAC § 222.83* **and** also using a vegetative cover of non-native grasses over seeded with cool season grasses during the winter months (October-March)?

☐ Yes ☐ No

If **yes**, then the facility may propose a hydraulic application rate not to exceed 0.1 gal/square foot/day.

Is the facility located **east** of the boundary shown in *30 TAC § 222.83* **or** in any part of the state when the vegetative cover is any crop other than non-native grasses?

☐ Yes ☐ No

If **yes**, the facility must use the formula in *30 TAC §222.83* to calculate the maximum hydraulic application rate.

Do you plan to submit an alternative method to calculate the hydraulic application rate for approval by the executive director?

☐ Yes ☐ No

Hydraulic application rate, in gal/square foot/day: [Click to enter text.](#)

Nitrogen application rate, in lbs/gal/day: [Click to enter text.](#)

D. Dosing information

Number of doses per day: [Click to enter text.](#)

Dosing duration per area, in hours: [Click to enter text.](#)

Rest period between doses, in hours: [Click to enter text.](#)

Dosing amount per area, in inches/day: [Click to enter text.](#)

Number of zones: [Click to enter text.](#)

Does the proposed subsurface drip irrigation system use tree vegetative cover as a crop?

☐ Yes ☐ No

If **yes**, provide a vegetation survey by a certified arborist. Please call the Water Quality Assessment Team at (512) 239-4671 to schedule a pre-application meeting.

Attachment: [Click to enter text.](#)

Section 3. Required Plans (Instructions Page 74)

A. Recharge feature plan

Attach a Recharge Feature Plan with all information required in *30 TAC §222.79*.

Attachment: [Click to enter text.](#)

B. Soil evaluation

Attach a Soil Evaluation with all information required in *30 TAC §222.73*.

Attachment: [Click to enter text.](#)

C. Site preparation plan

Attach a Site Preparation Plan with all information required in *30 TAC §222.75*.

Attachment: [Click to enter text.](#)

D. Soil sampling/testing

Attach soil sampling and testing that includes all information required in *30 TAC §222.157*.

Attachment: [Click to enter text.](#)

Section 4. Floodway Designation (Instructions Page 75)

A. Site location

Is the existing/proposed land application site within a designated floodway?

☐ Yes ☐ No

B. Flood map

Attach either the FEMA flood map or alternate information used to determine the floodway.

Attachment: [Click to enter text.](#)

Section 5. Surface Waters in the State (Instructions Page 75)

A. Buffer Map

Attach a map showing appropriate buffers on surface waters in the state, water wells, and springs/seeps.

Attachment: [Click to enter text.](#)

B. Buffer variance request

Do you plan to request a buffer variance from water wells or waters in the state?

☐ Yes ☐ No

If **yes**, then attach the additional information required in *30 TAC § 222.81(c)*.

Attachment: [Click to enter text.](#)

Section 6. Edwards Aquifer (Instructions Page 75)

A. Is the SADDs located over the Edwards Aquifer Recharge Zone as mapped by TCEQ?

☐ Yes ☐ No

B. Is the SADDs located over the Edwards Aquifer Transition Zone as mapped by TCEQ?

☐ Yes ☐ No

If **yes to either question**, then the SADDs may be prohibited by *30 TAC §213.8*. Please call the Municipal Permits Team at 512-239-4671 to schedule a pre-application meeting.

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 4.0: POLLUTANT ANALYSIS REQUIREMENTS

The following **is required** for facilities with a permitted or proposed flow of **1.0 MGD or greater**, facilities with an approved **pretreatment** program, or facilities classified as a **major** facility. See instructions for further details.

This worksheet is not required minor amendments without renewal.

Section 1. Toxic Pollutants (Instructions Page 76)

For pollutants identified in Table 4.0(1), indicate the type of sample.

Grab ☐ Composite ☐

Date and time sample(s) collected: [Click to enter text.](#)

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile				50
Aldrin				0.01
Aluminum				2.5
Anthracene				10
Antimony				5
Arsenic				0.5
Barium				3
Benzene				10
Benzidine				50
Benzo(a)anthracene				5
Benzo(a)pyrene				5
Bis(2-chloroethyl)ether				10
Bis(2-ethylhexyl)phthalate				10
Bromodichloromethane				10
Bromoform				10
Cadmium				1
Carbon Tetrachloride				2
Carbaryl				5
Chlordane*				0.2
Chlorobenzene				10
Chlorodibromomethane				10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chloroform				10
Chlorpyrifos				0.05
Chromium (Total)				3
Chromium (Tri) (*1)				N/A
Chromium (Hex)				3
Copper				2
Chrysene				5
p-Chloro-m-Cresol				10
4,6-Dinitro-o-Cresol				50
p-Cresol				10
Cyanide (*2)				10
4,4'- DDD				0.1
4,4'- DDE				0.1
4,4'- DDT				0.02
2,4-D				0.7
Demeton (O and S)				0.20
Diazinon				0.5/0.1
1,2-Dibromoethane				10
m-Dichlorobenzene				10
o-Dichlorobenzene				10
p-Dichlorobenzene				10
3,3'-Dichlorobenzidine				5
1,2-Dichloroethane				10
1,1-Dichloroethylene				10
Dichloromethane				20
1,2-Dichloropropane				10
1,3-Dichloropropene				10
Dicofol				1
Dieldrin				0.02
2,4-Dimethylphenol				10
Di-n-Butyl Phthalate				10
Diuron				0.09
Endosulfan I (alpha)				0.01

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endosulfan II (beta)				0.02
Endosulfan Sulfate				0.1
Endrin				0.02
Epichlorohydrin				---
Ethylbenzene				10
Ethylene Glycol				---
Fluoride				500
Guthion				0.1
Heptachlor				0.01
Heptachlor Epoxide				0.01
Hexachlorobenzene				5
Hexachlorobutadiene				10
Hexachlorocyclohexane (alpha)				0.05
Hexachlorocyclohexane (beta)				0.05
gamma-Hexachlorocyclohexane (Lindane)				0.05
Hexachlorocyclopentadiene				10
Hexachloroethane				20
Hexachlorophene				10
4,4'-Isopropylidenediphenol				1
Lead				0.5
Malathion				0.1
Mercury				0.005
Methoxychlor				2
Methyl Ethyl Ketone				50
Methyl tert-butyl ether				---
Mirex				0.02
Nickel				2
Nitrate-Nitrogen				100
Nitrobenzene				10
N-Nitrosodiethylamine				20
N-Nitroso-di-n-Butylamine				20
Nonylphenol				333

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Parathion (ethyl)				0.1
Pentachlorobenzene				20
Pentachlorophenol				5
Phenanthrene				10
Polychlorinated Biphenyls (PCB's) (*3)				0.2
Pyridine				20
Selenium				5
Silver				0.5
1,2,4,5-Tetrachlorobenzene				20
1,1,2,2-Tetrachloroethane				10
Tetrachloroethylene				10
Thallium				0.5
Toluene				10
Toxaphene				0.3
2,4,5-TP (Silvex)				0.3
Tributyltin (see instructions for explanation)				0.01
1,1,1-Trichloroethane				10
1,1,2-Trichloroethane				10
Trichloroethylene				10
2,4,5-Trichlorophenol				50
TTHM (Total Trihalomethanes)				10
Vinyl Chloride				10
Zinc				5

(*1) Determined by subtracting hexavalent Cr from total Cr.

(*2) Cyanide, amenable to chlorination or weak-acid dissociable.

(*3) The sum of seven PCB congeners 1242, 1254, 1221, 1232, 1248, 1260, and 1016.

Section 2. Priority Pollutants

For pollutants identified in Tables 4.0(2)A-E, indicate type of sample.

Grab ☐ Composite ☐

Date and time sample(s) collected: [Click to enter text.](#)

Table 4.0(2)A – Metals, Cyanide, and Phenols

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Antimony				5
Arsenic				0.5
Beryllium				0.5
Cadmium				1
Chromium (Total)				3
Chromium (Hex)				3
Chromium (Tri) (*1)				N/A
Copper				2
Lead				0.5
Mercury				0.005
Nickel				2
Selenium				5
Silver				0.5
Thallium				0.5
Zinc				5
Cyanide (*2)				10
Phenols, Total				10

(*1) Determined by subtracting hexavalent Cr from total Cr.

(*2) Cyanide, amenable to chlorination or weak-acid dissociable

Table 4.0(2)B – Volatile Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrolein				50
Acrylonitrile				50
Benzene				10
Bromoform				10
Carbon Tetrachloride				2
Chlorobenzene				10
Chlorodibromomethane				10
Chloroethane				50
2-Chloroethylvinyl Ether				10
Chloroform				10
Dichlorobromomethane [Bromodichloromethane]				10
1,1-Dichloroethane				10
1,2-Dichloroethane				10
1,1-Dichloroethylene				10
1,2-Dichloropropane				10
1,3-Dichloropropylene [1,3-Dichloropropene]				10
1,2-Trans-Dichloroethylene				10
Ethylbenzene				10
Methyl Bromide				50
Methyl Chloride				50
Methylene Chloride				20
1,1,2,2-Tetrachloroethane				10
Tetrachloroethylene				10
Toluene				10
1,1,1-Trichloroethane				10
1,1,2-Trichloroethane				10
Trichloroethylene				10
Vinyl Chloride				10

Table 4.0(2)C – Acid Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
2-Chlorophenol				10
2,4-Dichlorophenol				10
2,4-Dimethylphenol				10
4,6-Dinitro-o-Cresol				50
2,4-Dinitrophenol				50
2-Nitrophenol				20
4-Nitrophenol				50
P-Chloro-m-Cresol				10
Pentalchlorophenol				5
Phenol				10
2,4,6-Trichlorophenol				10

Table 4.0(2)D – Base/Neutral Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acenaphthene				10
Acenaphthylene				10
Anthracene				10
Benzidine				50
Benzo(a)Anthracene				5
Benzo(a)Pyrene				5
3,4-Benzofluoranthene				10
Benzo(ghi)Perylene				20
Benzo(k)Fluoranthene				5
Bis(2-Chloroethoxy)Methane				10
Bis(2-Chloroethyl)Ether				10
Bis(2-Chloroisopropyl)Ether				10
Bis(2-Ethylhexyl)Phthalate				10
4-Bromophenyl Phenyl Ether				10
Butyl benzyl Phthalate				10
2-Chloronaphthalene				10
4-Chlorophenyl phenyl ether				10
Chrysene				5
Dibenzo(a,h)Anthracene				5
1,2-(o)Dichlorobenzene				10
1,3-(m)Dichlorobenzene				10
1,4-(p)Dichlorobenzene				10
3,3-Dichlorobenzidine				5
Diethyl Phthalate				10
Dimethyl Phthalate				10
Di-n-Butyl Phthalate				10
2,4-Dinitrotoluene				10
2,6-Dinitrotoluene				10
Di-n-Octyl Phthalate				10
1,2-Diphenylhydrazine (as Azo- benzene)				20
Fluoranthene				10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Fluorene				10
Hexachlorobenzene				5
Hexachlorobutadiene				10
Hexachlorocyclo-pentadiene				10
Hexachloroethane				20
Indeno(1,2,3-cd)pyrene				5
Isophorone				10
Naphthalene				10
Nitrobenzene				10
N-Nitrosodimethylamine				50
N-Nitrosodi-n-Propylamine				20
N-Nitrosodiphenylamine				20
Phenanthrene				10
Pyrene				10
1,2,4-Trichlorobenzene				10

Table 4.0(2)E - Pesticides

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Aldrin				0.01
alpha-BHC (Hexachlorocyclohexane)				0.05
beta-BHC (Hexachlorocyclohexane)				0.05
gamma-BHC (Hexachlorocyclohexane)				0.05
delta-BHC (Hexachlorocyclohexane)				0.05
Chlordane				0.2
4,4-DDT				0.02
4,4-DDE				0.1
4,4,-DDD				0.1
Dieldrin				0.02
Endosulfan I (alpha)				0.01
Endosulfan II (beta)				0.02
Endosulfan Sulfate				0.1
Endrin				0.02
Endrin Aldehyde				0.1
Heptachlor				0.01
Heptachlor Epoxide				0.01
PCB-1242				0.2
PCB-1254				0.2
PCB-1221				0.2
PCB-1232				0.2
PCB-1248				0.2
PCB-1260				0.2
PCB-1016				0.2
Toxaphene				0.3

* For PCBs, if all are non-detects, enter the highest non-detect preceded by a "<".

Section 3. Dioxin/Furan Compounds

A. Indicate which of the following compounds from may be present in the influent from a contributing industrial user or significant industrial user. Check all that apply.

- ☐ 2,4,5-trichlorophenoxy acetic acid
Common Name 2,4,5-T, CASRN 93-76-5
- ☐ 2-(2,4,5-trichlorophenoxy) propanoic acid
Common Name Silvex or 2,4,5-TP, CASRN 93-72-1
- ☐ 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate
Common Name Erbon, CASRN 136-25-4
- ☐ 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate
Common Name Ronnel, CASRN 299-84-3
- ☐ 2,4,5-trichlorophenol
Common Name TCP, CASRN 95-95-4
- ☐ hexachlorophene
Common Name HCP, CASRN 70-30-4

For each compound identified, provide a brief description of the conditions of its/their presence at the facility.

[Click to enter text.](#)

B. Do you know or have any reason to believe that 2,3,7,8 Tetrachlorodibenzo-P-Dioxin (TCDD) or any congeners of TCDD may be present in your effluent?

☐ Yes ☐ No

If **yes**, provide a brief description of the conditions for its presence.

[Click to enter text.](#)

C. If any of the compounds in Subsection A **or** B are present, complete Table 4.0(2)F.

For pollutants identified in Table 4.0(2)F, indicate the type of sample.

Grab ☐ Composite ☐

Date and time sample(s) collected: [Click to enter text.](#)

Table 4.0(2)F – Dioxin/Furan Compounds

Compound	Toxic Equivalenc y Factors	Wastewater Concentration (ppq)	Wastewater Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Equivalents (ppt)	MAL (ppq)
2,3,7,8 TCDD	1					10
1,2,3,7,8 PeCDD	0.5					50
2,3,7,8 HxCDDs	0.1					50
1,2,3,4,6,7,8 HpCDD	0.01					50
2,3,7,8 TCDF	0.1					10
1,2,3,7,8 PeCDF	0.05					50
2,3,4,7,8 PeCDF	0.5					50
2,3,7,8 HxCDFs	0.1					50
2,3,4,7,8 HpCDFs	0.01					50
OCDD	0.0003					100
OCDF	0.0003					100
PCB 77	0.0001					0.5
PCB 81	0.0003					0.5
PCB 126	0.1					0.5
PCB 169	0.03					0.5
Total						

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 5.0: TOXICITY TESTING REQUIREMENTS

The following **is required** for facilities with a current operating design flow of **1.0 MGD or greater**, with an EPA-approved **pretreatment** program (or those required to have one under 40 CFR Part 403), or are required to perform Whole Effluent Toxicity testing. See Page 86 of the instructions for further details.

This worksheet is not required minor amendments without renewal.

Section 1. Required Tests

Indicate the number of 7-day chronic or 48-hour acute Whole Effluent Toxicity (WET) tests performed in the four and one-half years prior to submission of the application.

7-day Chronic: [Click to enter text.](#)

48-hour Acute: [Click to enter text.](#)

Section 2. Toxicity Reduction Evaluations (TREs)

Has this facility completed a TRE in the past four and a half years? Or is the facility currently performing a TRE?

☐ Yes ☐ No

If yes, describe the progress to date, if applicable, in identifying and confirming the toxicant.

[Click to enter text.](#)

Section 3. Summary of WET Tests

If the required biomonitoring test information has not been previously submitted via both the Discharge Monitoring Reports (DMRs) and the Table 1 (as found in the permit), provide a summary of the testing results for all valid and invalid tests performed over the past four and one-half years. Make additional copies of this table as needed.

Table 5.0(1) Summary of WET Tests

Test Date	Test Species	NOEC Survival	NOEC Sub-lethal

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following is required for all publicly owned treatment works.

Section 1. All POTWs (Instructions Page 87)

A. Industrial users (IUs)

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

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

Categorical IUs:

Number of IUs: [Click to enter text.](#)

Average Daily Flows, in MGD: [Click to enter text.](#)

Significant IUs – non-categorical:

Number of IUs: [Click to enter text.](#)

Average Daily Flows, in MGD: [Click to enter text.](#)

Other IUs:

Number of IUs: [Click to enter text.](#)

Average Daily Flows, in MGD: [Click to enter text.](#)

B. Treatment plant interference

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

☐ Yes ☐ No

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

[Click to enter text.](#)

C. Treatment plant pass through

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

☐ Yes ☐ No

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

Click to enter text.

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☐ No

If **yes**, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☐ No

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

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

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

A. Substantial modifications

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

☐ Yes ☐ No

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

Click to enter text.

B. Non-substantial modifications

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

☐ Yes ☐ No

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

Click to enter text.

C. Effluent parameters above the MAL

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

Table 6.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date

D. Industrial user interruptions

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

☐ Yes ☐ No

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

Click to enter text.

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

A. General information

Company Name: [Click to enter text.](#)

SIC Code: [Click to enter text.](#)

Contact name: [Click to enter text.](#)

Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Telephone number: [Click to enter text.](#)

Email address: [Click to enter text.](#)

B. Process information

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

[Click to enter text.](#)

C. Product and service information

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

[Click to enter text.](#)

D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: [Click to enter text.](#)

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: [Click to enter text.](#)

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

Is the SIU or CIU subject to technically based local limits as defined in the instructions?

☐ Yes ☐ No

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

☐ Yes ☐ No

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

Category: Subcategories: [Click to enter text.](#)

[Click or tap here to enter text.](#) [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

F. Industrial user interruptions

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

☐ Yes ☐ No

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

[Click to enter text.](#)

WORKSHEET 7.0

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

CLASS V INJECTION WELL INVENTORY/AUTHORIZATION FORM

Submit the completed form to:

TCEQ
IUC Permits Team
Radioactive Materials Division
MC-233
PO Box 13087
Austin, Texas 78711-3087
512-239-6466

For TCEQ Use Only

Reg. No. _____

Date Received _____

Date Authorized _____

Section 1. General Information (Instructions Page 90)

1. TCEQ Program Area

Program Area (PST, VCP, IHW, etc.): [Click to enter text.](#)

Program ID: [Click to enter text.](#)

Contact Name: [Click to enter text.](#)

Phone Number: [Click to enter text.](#)

2. Agent/Consultant Contact Information

Contact Name: [Click to enter text.](#)

Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Phone Number: [Click to enter text.](#)

3. Owner/Operator Contact Information

☐ Owner ☐ Operator

Owner/Operator Name: [Click to enter text.](#)

Contact Name: [Click to enter text.](#)

Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Phone Number: [Click to enter text.](#)

4. Facility Contact Information

Facility Name: [Click to enter text.](#)

Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Location description (if no address is available): [Click to enter text.](#)

Facility Contact Person: [Click to enter text.](#)

Phone Number: [Click to enter text.](#)

5. **Latitude and Longitude, in degrees-minutes-seconds**

Latitude: [Click to enter text.](#)

Longitude: [Click to enter text.](#)

Method of determination (GPS, TOPO, etc.): [Click to enter text.](#)

Attach topographic quadrangle map as attachment A.

6. **Well Information**

Type of Well Construction, select one:

- ☐ Vertical Injection
- ☐ Subsurface Fluid Distribution System
- ☐ Infiltration Gallery
- ☐ Temporary Injection Points
- ☐ Other, Specify: [Click to enter text.](#)

Number of Injection Wells: [Click to enter text.](#)

7. **Purpose**

Detailed Description regarding purpose of Injection System:

[Click to enter text.](#)

Attach a Site Map as Attachment B (Attach the Approved Remediation Plan, if appropriate.)

8. **Water Well Driller/Installer**

Water Well Driller/Installer Name: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Phone Number: [Click to enter text.](#)

License Number: [Click to enter text.](#)

Section 2. Proposed Down Hole Design

Attach a diagram signed and sealed by a licensed engineer as Attachment C.

Table 7.0(1) – Down Hole Design Table

Name of String	Size	Setting Depth	Sacks Cement/Grout – Slurry Volume – Top of Cement	Hole Size	Weight (lbs/ft) PVC/Steel
Casing					
Tubing					
Screen					

Section 3. Proposed Trench System, Subsurface Fluid Distribution System, or Infiltration Gallery

Attach a diagram signed and sealed by a licensed engineer as Attachment D.

System(s) Dimensions: [Click to enter text.](#)

System(s) Construction: [Click to enter text.](#)

Section 4. Site Hydrogeological and Injection Zone Data

1. Name of Contaminated Aquifer: [Click to enter text.](#)
2. Receiving Formation Name of Injection Zone: [Click to enter text.](#)
3. Well/Trench Total Depth: [Click to enter text.](#)
4. Surface Elevation: [Click to enter text.](#)
5. Depth to Ground Water: [Click to enter text.](#)
6. Injection Zone Depth: [Click to enter text.](#)
7. Injection Zone vertically isolated geologically? ☐ Yes ☐ No
Impervious Strata between Injection Zone and nearest Underground Source of Drinking Water:
Name: [Click to enter text.](#)
Thickness: [Click to enter text.](#)
8. Provide a list of contaminants and the levels (ppm) in contaminated aquifer
Attach as Attachment E.
9. Horizontal and Vertical extent of contamination and injection plume
Attach as Attachment F.
10. Formation (Injection Zone) Water Chemistry (Background levels) TDS, etc.
Attach as Attachment G.
11. Injection Fluid Chemistry in PPM at point of injection
Attach as Attachment H.
12. Lowest Known Depth of Ground Water with < 10,000 PPM TDS: [Click to enter text.](#)
13. Maximum injection Rate/Volume/Pressure: [Click to enter text.](#)
14. Water wells within 1/4 mile radius (attach map as Attachment I): [Click to enter text.](#)
15. Injection wells within 1/4 mile radius (attach map as Attachment J): [Click to enter text.](#)
16. Monitor wells within 1/4 mile radius (attach drillers logs and map as Attachment K): [Click to enter text.](#)
17. Sampling frequency: [Click to enter text.](#)
18. Known hazardous components in injection fluid: [Click to enter text.](#)

Section 5. Site History

1. Type of Facility: [Click to enter text.](#)
2. Contamination Dates: [Click to enter text.](#)
3. Original Contamination (VOCs, TPH, BTEX, etc.) and Concentrations (attach as Attachment L): [Click to enter text.](#)
4. Previous Remediation (attach results of any previous remediation as attachment M): [Click to enter text.](#)

NOTE: Authorization Form should be completed in detail and authorization given by the TCEQ before construction, operation, and/or conversion can begin. Attach additional pages as necessary.

Class V Injection Well Designations

- 5A07 Heat Pump/AC return (IW used for groundwater to heat and/or cool buildings)
- 5A19 Industrial Cooling Water Return Flow (IW used to cool industrial process equipment)
- 5B22 Salt Water Intrusion Barrier (IW used to inject fluids to prevent the intrusion of salt water into an aquifer)
- 5D02 Storm Water Drainage (IW designed for the disposal of rain water)
- 5D04 Industrial Stormwater Drainage Wells (IW designed for the disposal of rain water associated with industrial facilities)
- 5F01 Agricultural Drainage (IW that receive agricultural runoff)
- 5R21 Aquifer Recharge (IW used to inject fluids to recharge an aquifer)
- 5S23 Subsidence Control Wells (IW used to control land subsidence caused by ground water withdrawal)
- 5W09 Untreated Sewage
- 5W10 Large Capacity Cesspools (Cesspools that are designed for 5,000 gpd or greater)
- 5W11 Large Capacity Septic systems (Septic systems designed for 5,000 gpd or greater)
- 5W12 WTP disposal
- 5W20 Industrial Process Waste Disposal Wells
- 5W31 Septic System (Well Disposal method)
- 5W32 Septic System Drainfield Disposal
- 5X13 Mine Backfill (IW used to control subsidence, dispose of mining byproducts, and/or fill sections of a mine)
- 5X25 Experimental Wells (Pilot Test) (IW used to test new technologies or tracer dye studies)
- 5X26 Aquifer Remediation (IW used to clean up, treat, or prevent contamination of a USDW)
- 5X27 Other Wells
- 5X28 Motor Vehicle Waste Disposal Wells (IW used to dispose of waste from a motor vehicle site - These are currently banned)
- 5X29 Abandoned Drinking Water Wells (waste disposal)

Appendices

Appendix A

Core Data Form

Appendix B

Plain Language Summary

Appendix C

Public Involvement Plan

Appendix D

Original Photographs

Appendix E

Buffer Zone Map

Appendix F

SPIF Form & SPIF USGS Map

Appendix G

Original USGS Map

Appendix H

Landowners Map and Cross-Referenced List

Appendix I

Treatment Process Description

Appendix J

Treatment Unit Descriptions

Appendix K

Flow Diagram

Appendix L

Site Drawing

Appendix M

Service Requests

Appendix N

Design Calculations

Appendix O

Wind Rose

Appendix P

Solids Management Plan

Appendix A

Core Data Form



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN		RN

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership				
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)				
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:				
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
11. Type of Customer:	<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:
12. Number of Employees			13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher			<input type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following				
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:				
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant				
15. Mailing				
Address:	City	State	ZIP	ZIP + 4
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)		
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)

() -		() -
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SECTION III: Regulated Entity Information

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

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

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

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

Montgomery Estates Wastewater Treatment Plant

23. Street Address of the Regulated Entity:

(No PO Boxes)

City		State		ZIP		ZIP + 4	
------	--	-------	--	-----	--	---------	--

24. County

Chambers

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

25. Description to Physical Location:

Approxiamtely 3,500 ft southeast of the intersection of Farm to Market Road 3180 and Farm to Market Road 565.

26. Nearest City

Mont Belvieu

TX

77523

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

27. Latitude (N) In Decimal:

29.795824°

Degrees

Minutes

Seconds

29°

47°

44.9664°

28. Longitude (W) In Decimal:

-94.840002°

Degrees

Minutes

Seconds

-94°

50°

24.0072°

29. Primary SIC Code

30. Secondary SIC Code

31. Primary NAICS Code

32. Secondary NAICS Code

(4 digits)

(4 digits)

(5 or 6 digits)

(5 or 6 digits)

4942

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

Treatment of domestic wastewater

34. Mailing Address:

City		State		ZIP		ZIP + 4	
------	--	-------	--	-----	--	---------	--

35. E-Mail Address:

36. Telephone Number

37. Extension or Code

38. Fax Number
(if applicable)

() -

() -

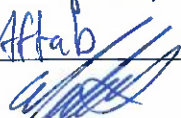
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:		41. Title:	
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
() -		() -	

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Montgomery Estates LLC	Job Title:	Member
Name (In Print):	Aftab "Alex" Khawaja	Phone:	(409) 659-8558
Signature:		Date:	3-20-2021

Appendix B

Plain Language Summary



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

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.

Montgomery Estates, LLC (Customer Number Pending) proposes to operate Montgomery Estates Wastewater Treatment Plant (Regulated Entity Number Pending), a domestic wastewater treatment facility. The facility will be located in the southern area of the proposed Montgomery Estates Subdivision which is South of FM 565, East of FM 3180, and West of Cotton Bayou in Mont Belvieu, Chambers County, Texas 77523. This application is for a new application to discharge at a daily average flow of 60,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia nitrogen (NH3-N), and Escherichia coli. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater will be treated by an activated sludge process plant and the treatment units will include a mechanical bar screen, aeration basins, secondary clarifiers, aerated sludge holding basins, and chlorine contact basins.

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

TCEQ-20972 (11/08/2024)

Wastewater Individual Permit Application, Plain Language Template

Page 1 of 2

AGUAS RESIDUALES DOMÉSTICAS /AGUAS PLUVIALES

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

Montgomery Estates, LLC (Número de Cliente Pendiente) propone operar la Planta de Tratamiento de Aguas Residuales de Montgomery Estates (Número de Entidad Regulada Pendiente), una instalación de tratamiento de aguas residuales domésticas. La instalación estará ubicada en el área sur de la subdivisión propuesta de Montgomery Estates, que está al sur de FM 565, al este de FM 3180 y al oeste de Cotton Bayou en Mont Belvieu, Chambers County, Texas 77523. Esta solicitud es para una nueva aplicación para descargar a un flujo promedio diario de 60,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan una demanda bioquímica carbonosa de oxígeno (CBOD5) de cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N) y Escherichia coli. En la sección 7 del Informe Técnico Doméstico 1.0 se incluyen contaminantes potenciales adicionales. Análisis de Contaminantes de Efluentes Tratados en el paquete de solicitud de permisos. Las aguas residuales domésticas serán tratadas por una planta de procesamiento de lodos activados y las unidades de tratamiento incluirán una criba de barras mecánica, cuencas de aireación, clarificadores secundarios, cuencas de retención de lodos aireados y cuencas de contacto con cloro.

Appendix C

Public Involvement Plan



Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

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

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

Section 1. Preliminary Screening

New Permit or Registration Application

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

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

Section 2. Secondary Screening

Requires public notice,

Considered to have significant public interest, and

Located within any of the following geographical locations:

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

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

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

Section 3. Application Information

Type of Application (check all that apply):

Air Initial Federal Amendment Standard Permit Title V
Waste Municipal Solid Waste Industrial and Hazardous Waste Scrap Tire
Radioactive Material Licensing Underground Injection Control

Water Quality

Texas Pollutant Discharge Elimination System (TPDES)
Texas Land Application Permit (TLAP)
State Only Concentrated Animal Feeding Operation (CAFO)
Water Treatment Plant Residuals Disposal Permit
Class B Biosolids Land Application Permit
Domestic Septage Land Application Registration

Water Rights New Permit

New Appropriation of Water
New or existing reservoir

Amendment to an Existing Water Right

Add a New Appropriation of Water
Add a New or Existing Reservoir
Major Amendment that could affect other water rights or the environment

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Section 5. Community and Demographic Information

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

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

(City)

(County)

(Census Tract)

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

City

County

Census Tract

- (a) Percent of people over 25 years of age who at least graduated from high school
- (b) Per capita income for population near the specified location
- (c) Percent of minority population and percent of population by race within the specified location
- (d) Percent of Linguistically Isolated Households by language within the specified location
- (e) Languages commonly spoken in area by percentage
- (f) Community and/or Stakeholder Groups
- (g) Historic public interest or involvement

Section 6. Planned Public Outreach Activities

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

Yes No

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

Yes No

If Yes, please describe.

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

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

Yes No

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

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

Publish in alternative language newspaper

Posted on Commissioner's Integrated Database Website

Mailed by TCEQ's Office of the Chief Clerk

Other (specify)

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

Yes No

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

Yes No

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

TCEQ Regional Office

TCEQ Central Office

Public Place (specify)

Section 7. Voluntary Submittal

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

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

Yes No

What types of notice will be provided?

Publish in alternative language newspaper

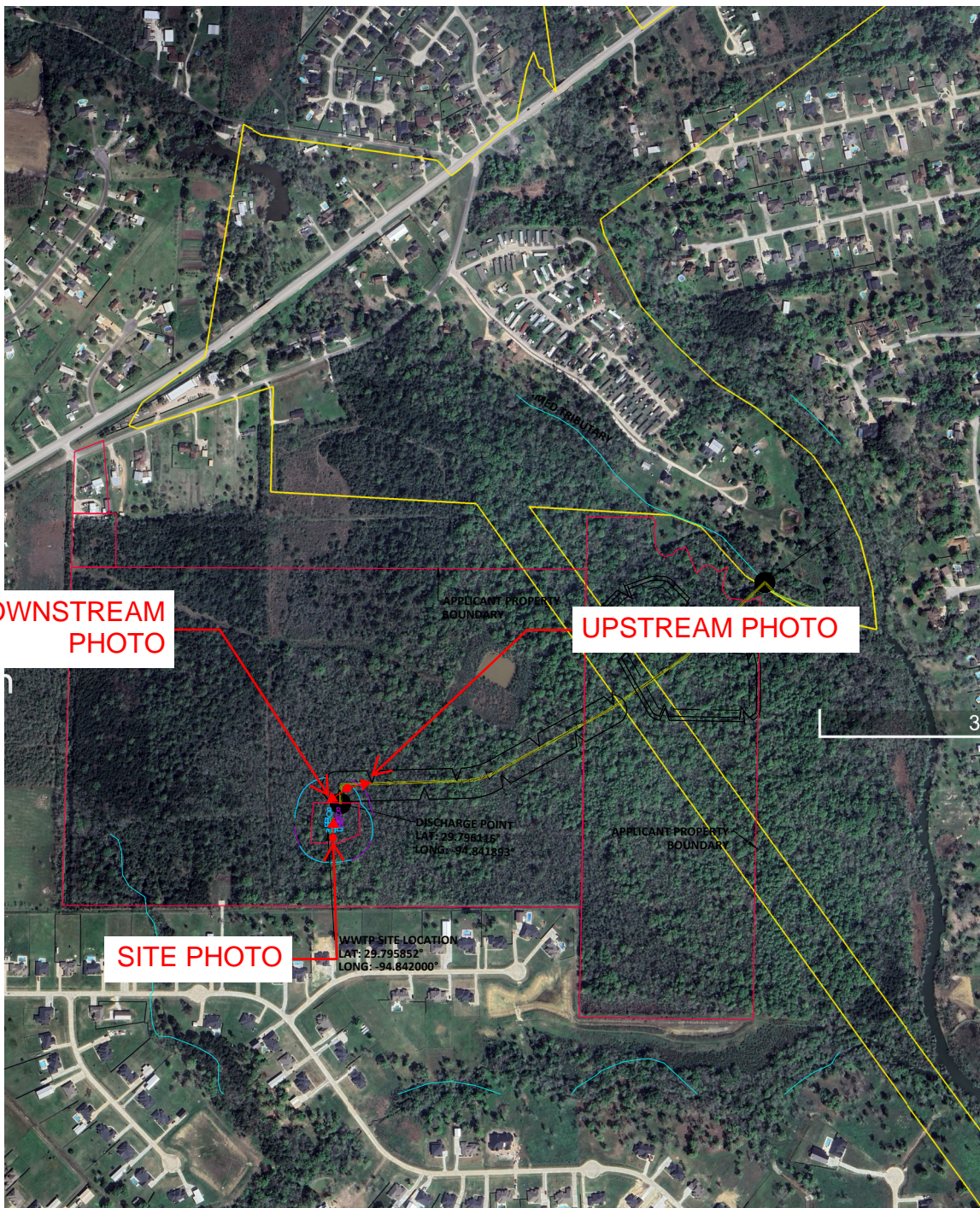
Posted on Commissioner's Integrated Database Website

Mailed by TCEQ's Office of the Chief Clerk

Other (specify)

Appendix D

Original Photographs



ORIGINAL PHOTO REFERENCE MAP

MONTGOMERY ESTATES WWTP

DATE

JOB NO.

DRAWN BY:

WGA

TEXAS REGISTERED ENGINEERING FIRM F-9756

2500 Tanglewild, Suite 120
Houston, Texas 77063
713.789.1900

4526 Research Forest, Suite 360
The Woodlands, Texas 77381
713.789.1900

APPENDIX D



**ORIGINAL PHOTOGRAPH NO. 1
UPSTREAM**

MONTGOMERY ESTATES WWTP

DATE

JOB NO.

DRAWN BY:

WGA

TEXAS REGISTERED ENGINEERING FIRM F-9756

2500 Tanglewild, Suite 120
Houston, Texas 77063
713.789.1900

4526 Research Forest, Suite 360
The Woodlands, Texas 77381
713.789.1900

APPENDIX D



**ORIGINAL PHOTOGRAPH NO. 2
DOWNSTREAM**

MONTGOMERY ESTATES WWTP

DATE

JOB NO.

DRAWN BY:

WGA

TEXAS REGISTERED ENGINEERING FIRM F-9756

2500 Tanglewild, Suite 120
Houston, Texas 77063
713.789.1900

4526 Research Forest, Suite 360
The Woodlands, Texas 77381
713.789.1900

APPENDIX D



**ORIGINAL PHOTOGRAPH NO. 2
WWTP LOCATION**

MONTGOMERY ESTATES WWTP

DATE

JOB NO.

DRAWN BY:



TEXAS REGISTERED ENGINEERING FIRM F-9756

2500 Tanglewild, Suite 120
Houston, Texas 77063
713.789.1900

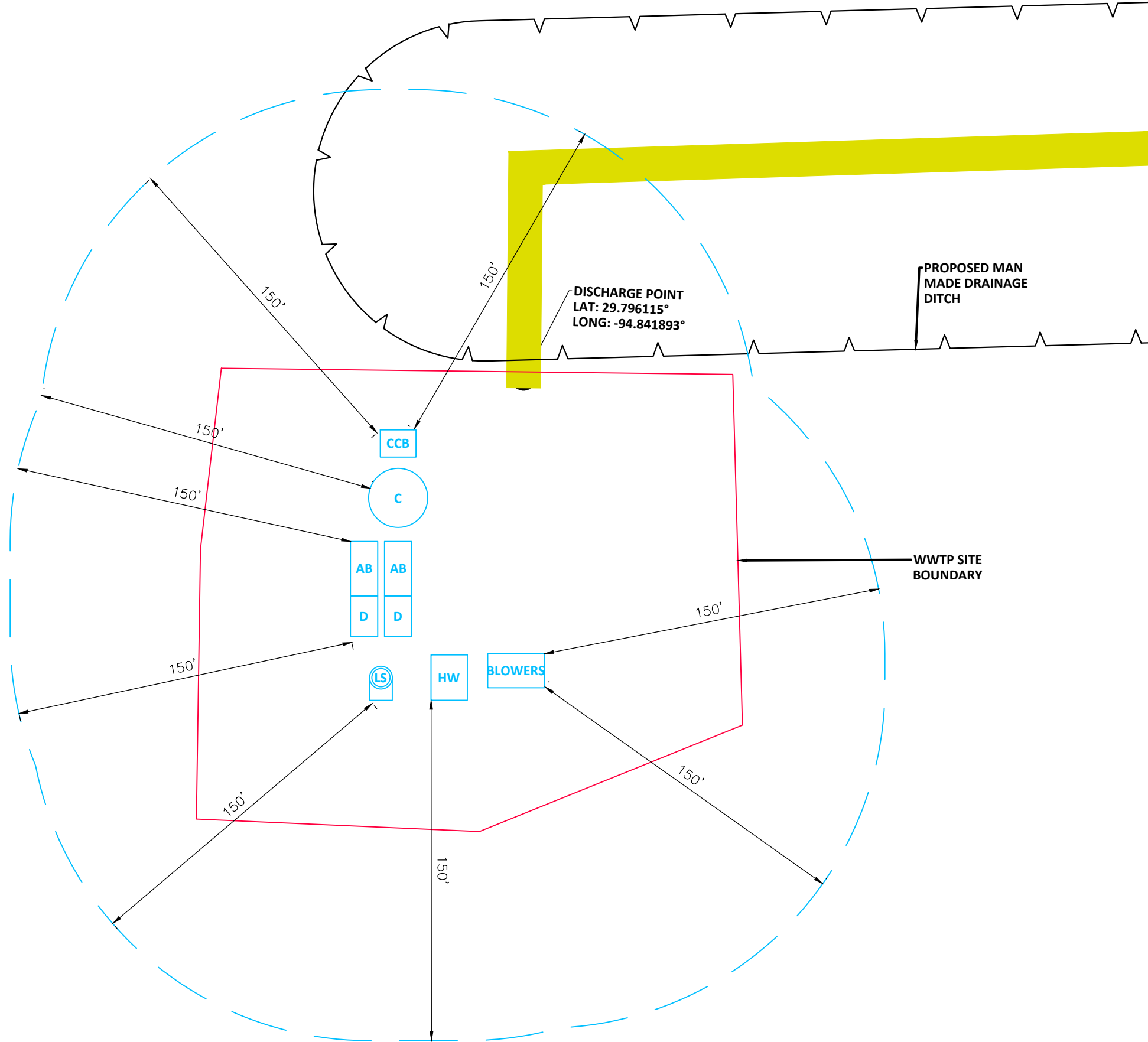
4526 Research Forest, Suite 360
The Woodlands, Texas 77381
713.789.1900

APPENDIX D

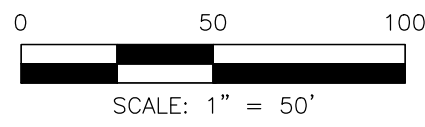
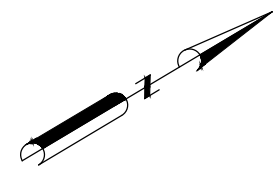
Appendix E

Buffer Zone Map

Z:\00528 (Montgomery Estates)\005 Montgomery Estates\400 Engineering\401 Working Area\01 TCEQ Permit\03 Maps\CAD\Site Exhibits.dwg 4/8/2025 6:06 PM ANDERSON



FLOOD PLAIN NOTE:
THIS SUBJECT TRACT LIES WITHIN UNSHADED ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 500-YEAR FLOODPLAIN) ON THE FLOOD INSURANCE MAP FOR CHAMBERS COUNTY, TEXAS UNINCORPORATED AREAS, MAP NO. 48071C0190E DATED MAY 4, 2015.



LEGEND

- PHASE I ———
- PHASE II ———
- PHASE III ———

ABBREVIATIONS

C	CLARIFIER
AB	AERATION BASIN
D	DIGESTER
CCB	CHLORINE CONTACT BASIN
HW	HEADWORKS
LS	LIFT STATION



TEXAS REGISTERED ENGINEERING FIRM F-9756

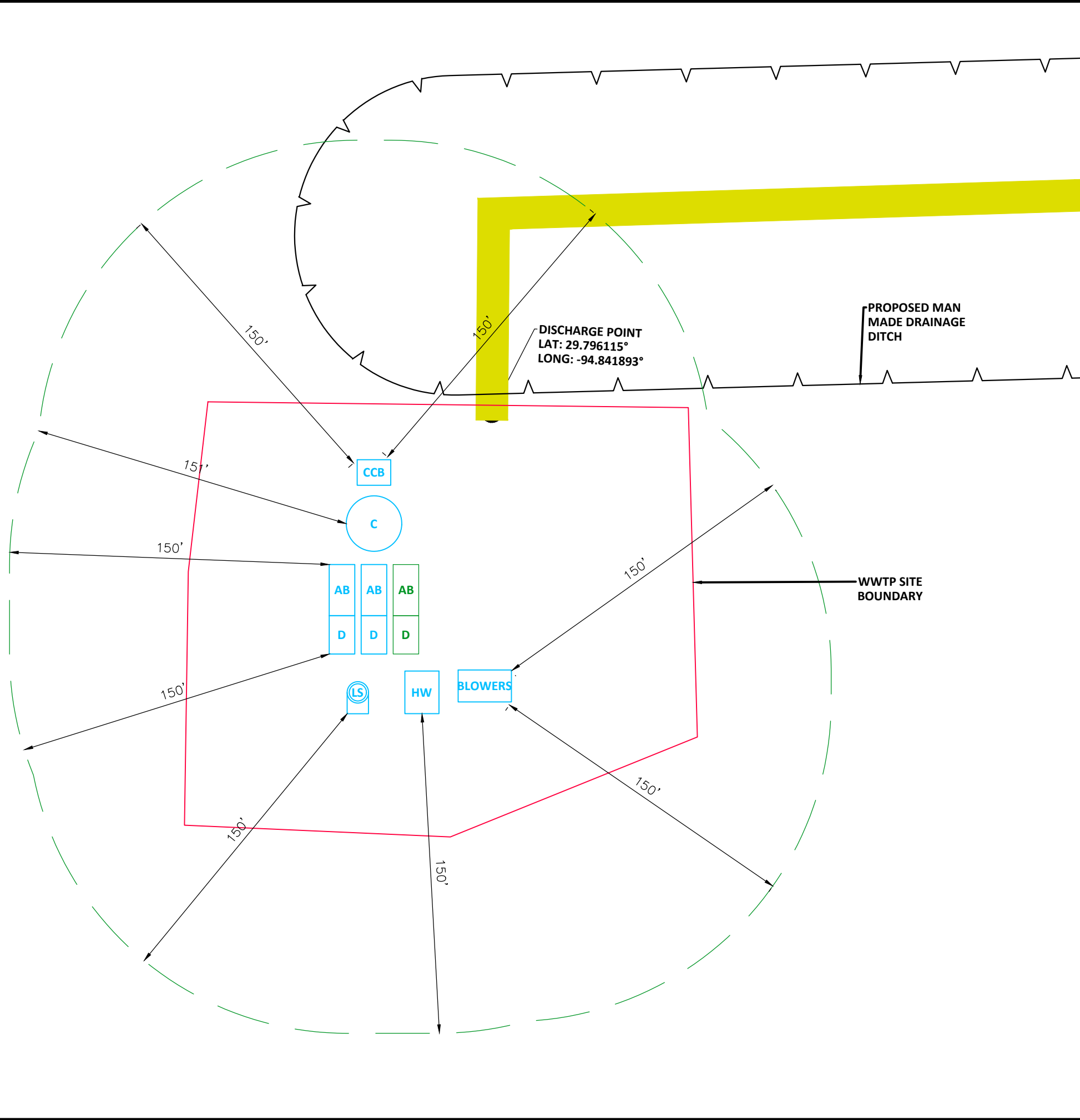
2500 Tanglewilde, Suite 120 Houston, Texas 77063 713.789.1900	4526 Research Forest, Suite 360 The Woodlands, Texas 77381 713.789.1900
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MONTGOMERY ESTATES WASTEWATER TREATMENT PLANT BUFFER ZONE MAP PHASE I

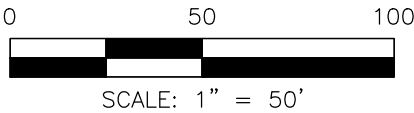
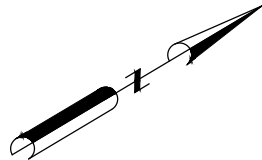
DRAWING SCALE:

WGA PROJECT NAME: MONTGOMERY ESTATES WWTP
WGA PROJECT No: 00528-005-00

Z:\00528 (Montgomery Estates)\005 Montgomery Estates\400 Engineering\401 Working Area\01 TCEQ Permit\03 Maps\CAD\Site Exhibits.dwg 4/8/2025 6:06 PM ANDERSON



FLOOD PLAIN NOTE:
THIS SUBJECT TRACT LIES WITHIN UNSHADED ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 500-YEAR FLOODPLAIN) ON THE FLOOD INSURANCE MAP FOR CHAMBERS COUNTY, TEXAS UNINCORPORATED AREAS, MAP NO. 48071C0190E DATED MAY 4, 2015.



LEGEND

- PHASE I ———
- PHASE II ———
- PHASE III ———

ABBREVIATIONS

C	CLARIFIER
AB	AERATION BASIN
D	DIGESTER
CCB	CHLORINE CONTACT BASIN
HW	HEADWORKS
LS	LIFT STATION



TEXAS REGISTERED ENGINEERING FIRM F-9756

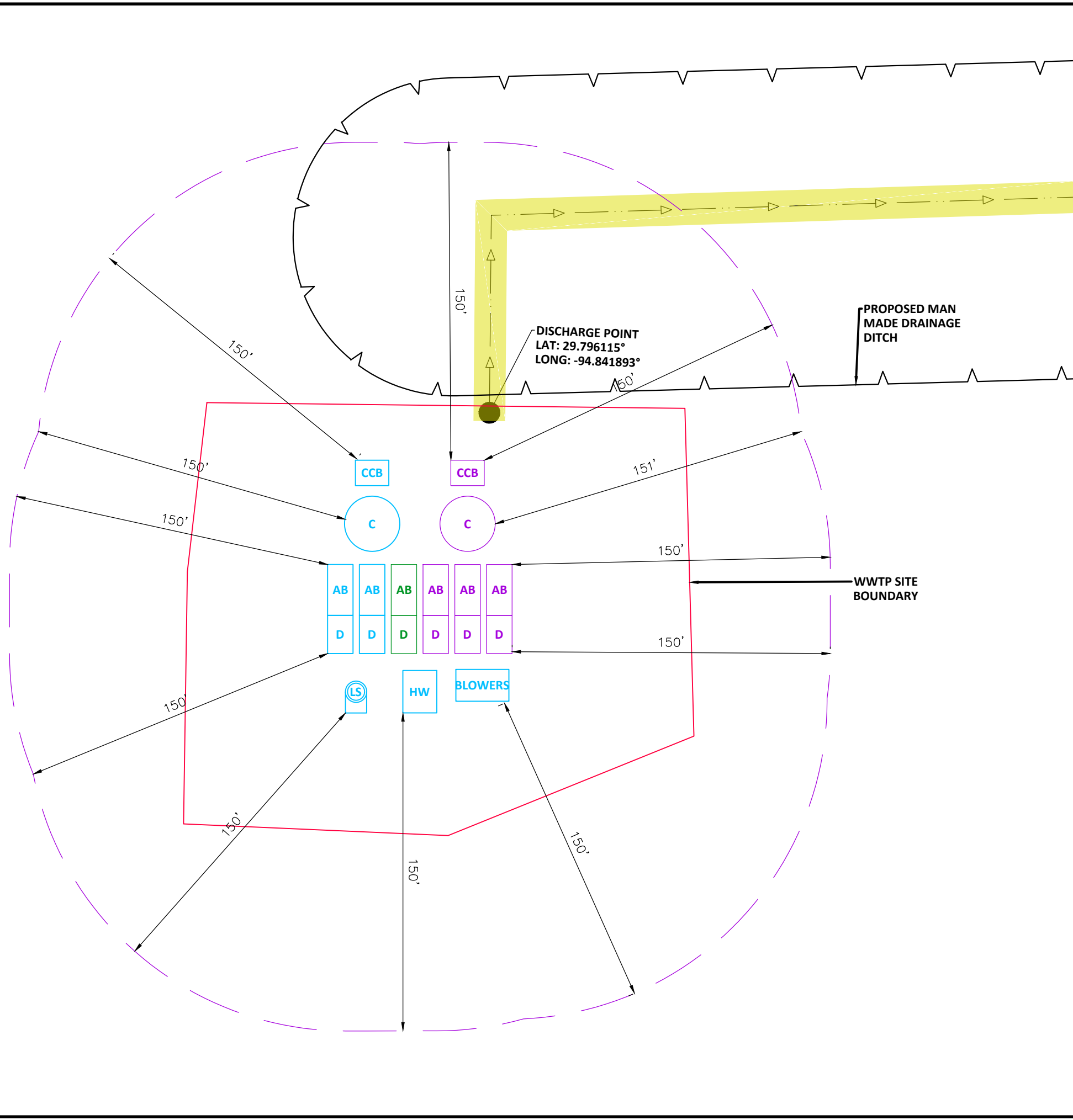
2500 Tanglewilde, Suite 120 Houston, Texas 77063 713.789.1900	4526 Research Forest, Suite 360 The Woodlands, Texas 77381 713.789.1900
---	---

MONTGOMERY ESTATES
WASTEWATER
TREATMENT PLANT
BUFFER ZONE MAP
PHASE II

DRAWING SCALE:

WGA PROJECT NAME: MONTGOMERY ESTATES WWTP
WGA PROJECT No: 00528-005-00

Z:\00528 (Montgomery Estates)\005 Montgomery Estates\400 Engineering\401 Working Area\01 TCEQ Permit\03 Maps\CAD\Site Exhibits.dwg 4/8/2025 6:06 PM ANDERSON



FLOOD PLAIN NOTE:
THIS SUBJECT TRACT LIES WITHIN UNSHADED ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 500-YEAR FLOODPLAIN) ON THE FLOOD INSURANCE MAP FOR CHAMBERS COUNTY, TEXAS UNINCORPORATED AREAS, MAP NO. 48071C0190E DATED MAY 4, 2015.

LEGEND

PHASE I ———

PHASE II ———

PHASE III ———

ABBREVIATIONS

C	CLARIFIER
AB	AERATION BASIN
D	DIGESTER
CCB	CHLORINE CONTACT BASIN
HW	HEADWORKS
LS	LIFT STATION

TEXAS REGISTERED ENGINEERING FIRM F-9756

2500 Tanglewilde, Suite 120 Houston, Texas 77063 713.789.1900	4526 Research Forest, Suite 360 The Woodlands, Texas 77381 713.789.1900
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MONTGOMERY ESTATES
WASTEWATER
TREATMENT PLANT
BUFFER ZONE MAP
PHASE III

DRAWING SCALE:

Appendix F

SPIF Form & SPIF USGS Map



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

____ Texas Historical Commission

____ U.S. Fish and Wildlife

____ Texas Parks and Wildlife Department

____ U.S. Army Corps of Engineers

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

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

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

The following applies to all applications:

1. Permittee: Montgomery Estates, LLC

Permit No. WQ00 _____

EPA ID No. TX _____

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

South of FM 565 Rd, East of FM 3180 Rd, West of Cotton Bayou, in the City of Mont Belvieu, Chambers Couty, Texas 77523.

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

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

First and Last Name: Aftab "Alex" Khowaja

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

Title: Member of Montgomery Estates LLC

Mailing Address: 59 Crown Arbor

City, State, Zip Code: Sugar Land, TX 77498

Phone No.: 713-894-9322 Ext.:

Fax No.:

E-mail Address: bana276@gmail.com

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

N/A. Owner and Applicant are the same.

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

Effluent will discharge in to a man-made ditch from an 18" CMP; thence to unnamed tributary; thence to Cotton Bayou Classified Number -

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

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

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

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

☒ Disturbance of vegetation or wetlands

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

Lift Station wet well excavation to approximately 30-ft, sanitary sewer pipe varying depths

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

Existing property is entirely wooded and will require deforestation and site regrading.

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

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

None. Previously and currently wooded area. Undeveloped.

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

Undeveloped, wooded area with no prior buildings or construction.

Appendix G

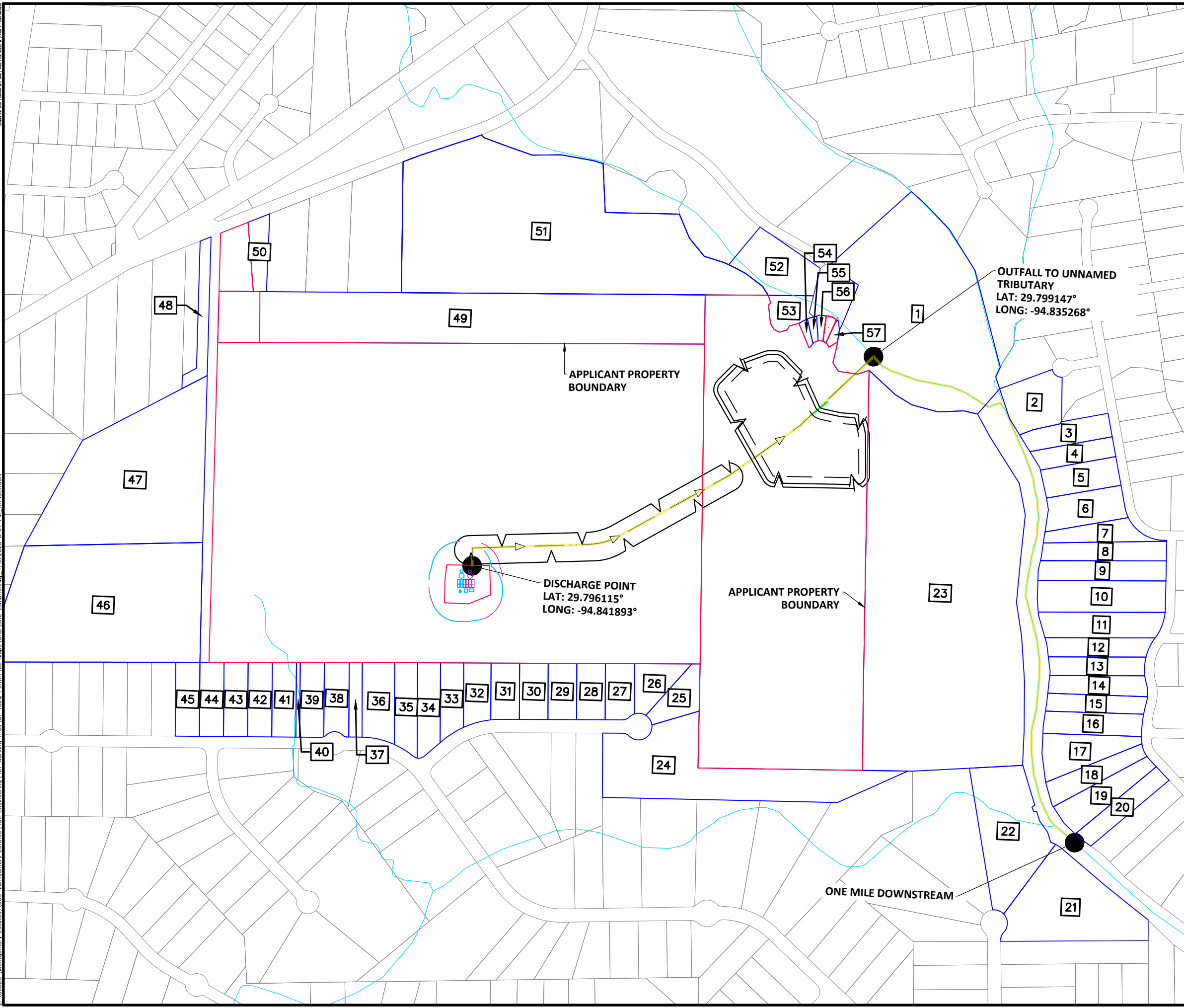
Original USGS Map



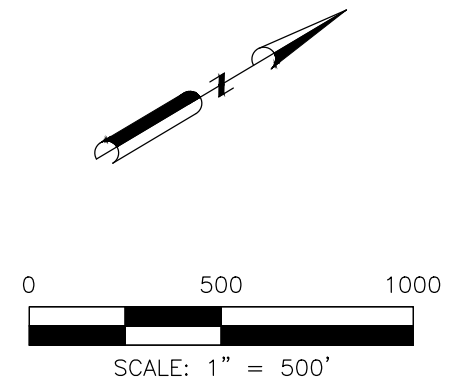
Appendix H

Landowners Map and Cross-Referenced List

Z:\00528 (Montgomery Estates)\005 Montgomery Estates\400 Engineering\401 Working Area\01 TCEQ Permit\03 Maps\CAD Site Exhibits.dwg 4/8/2025 6:07 PM ANDERSON



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WGA

TEXAS REGISTERED ENGINEERING FIRM F-9756

2500 Tanglewilde, Suite 120 Houston, Texas 77063 713.789.1900	4526 Research Forest, Suite 360 The Woodlands, Texas 77381 713.789.1900
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MONTGOMERY ESTATES WASTEWATER TREATMENT PLANT AFFECTED LANDOWNERS MAP

DRAWING SCALE:

WGA PROJECT NAME: MONTGOMERY ESTATES WWTP
WGA PROJECT No: 00528-005-00

REF NO.	OWNER NAME	PHYSICAL ADDRESS					MAILING ADDRESS				
		#	STREET	CITY	STATE	ZIP	STREET	CITY	ST	ZIP	ZIP
1	GILBERT APRIL & SCOTT	27	COTTON BAYOU CIRCLE	MONT BELVIEU	TX	77580	1967 BISCAYNE BLVD	NAVARRE	FL	32566	
2	NEWLIN DANIEL D & KANDY E	5858	NATCHEZ TRACE	COVE	TX		5858 NATCHEZ TRACE	COVE	TX	77523	
3	MULLINS DAVID HUGH & PATRICIA LYNN	5902	CAJUN WAY	COVE	TX	77523	5902 CAJUN WAY	BAYTOWN	TX	77523	
4	STOERNER FORREST & SARA	5910	CAJUN WAY	COVE	TX	77523	5910 CAJUN WAY	BAYTOWN	TX	77523	
5	MODISETTE BRADLEY & JULIE	5918	CAJUN WAY	COVE	TX	77523	5918 CAJUN WAY	COVE	TX	77523	
6	ST JOHN TERRI	5934	CAJUN WAY	COVE	TX	77523	5934 CAJUN WAY	BAYTOWN	TX	77523	
7	BOOZER CHRIS & HALEY	5942	CAJUN WAY	COVE	TX	77523	5942 CAJUN WAY	BAYTOWN	TX	77523	
8	COGGIN JAMES K & DEIDRA A	1602	BAYOU BREEZE	COVE	TX	77523	1602 BAYOU BREEZE	BAYTOWN	TX	77523	
9	ELLENDER DONALD J & MELINDA F	1606	BAYOU BREEZE	COVE	TX	77523	P.O. BOX 2041	MT BELVIEU	TX	77580	
10	MUSCHALEK JEFFREY T	1610	BAYOU BREEZE	COVE	TX	77523	1610 BAYOU BREEZE	BAYTOWN	TX	77523	
11	FLETCHER KIRK	1618	BAYOU BREEZE	COVE	TX	77523	1618 BAYOU BREEZE	BAYTOWN	TX	77523	
12	TYDLACKA VINCENT JR ET UX	1622	BAYOU BREEZE	COVE	TX	77523	1622 BAYOU BREEZE	BAYTOWN	TX	77523	8444
13	VASQUEZ JASON & STACEY	1626	BAYOU BREEZE	COVE	TX	77523	1626 BAYOU BREEZE DR	BAYTOWN	TX	77523	8444
14	RUTLEDGE RONALD & CELIA	1630	BAYOU BREEZE	COVE	TX	77523	1630 BAYOU BREEZE	BAYTOWN	TX	77523	
15	SCHINDLER BEAUX & BAYLIE COMEAUX	1634	BAYOU BREEZE DR	COVE	TX	77523	1634 BAYOU BREEZE DR	BAYTOWN	TX	77523	
16	QUARTZ CLINTON & THERESA	1638	BAYOU BREEZE	COVE	TX	77523	1638 BAYOU BREEZE DRIVE	BAYTOWN	TX	77523	
17	SCHILLINGS NATHAN & JESSICA	1702	BAYOU BREEZE	COVE	TX		1702 BAYOU BREEZE DR	BAYTOWN	TX	77523	2788
18	WHITEMAN SEAN E & LESLIE L	1706	BAYOU BREEZE DR	COVE	TX	77523	1706 BAYOU BREEZE DR	COVE	TX	77523	
19	LEWIS DAVID W & AUTUMN A	1710	BAYOU BREEZE	COVE	TX	77523	1710 BAYOU BREEZE	BAYTOWN	TX	77523	
20	PARKER RICHARD J & VICKY	1714	BAYOU BREEZE	COVE	TX	77523	1714 BAYOU BREEZE	BAYTOWN	TX	77523	
21	MALONE BLAIR & BRYAN	6642	FRERET BAYOU DR	BAYTOWN	TX	77523	3011 ROYAL PALM DR	BAYTOWN	TX	77523	
22	SKAGGS KEVIN	6650	FRERET BAYOU DR	BAYTOWN	TX	77523	11222 KINGS POINT BLVD	DAYTON	TX	77535	
23	EAGLE POINT HOMES LLC						7520 FM 3180 #600	BAYTOWN	TX	77523	
24	WINFREE BAYOU ESTATES LLC						59 CROWN ARBOR	SUGAR LAND	TX	77498	
25	PARSONS ADAM T & KELLY	6875	CHERRY BAYOU DR	BAYTOWN	TX	77523	6875 CHERRY BAYOU DR	BAYTOWN	TX	77523	
26	CIZMAR BRYAN A & AMANDA V SMITH	6867	CHERRY BAYOU DR	BAYTOWN	TX	77523	6867 CHERRY BAYOU DR	BAYTOWN	TX	77523	
27	CARTER KEVIN & JESSICA	6859	CHERRY BAYOU DR	BAYTOWN	TX	77523	6859 CHERRY BAYOU DR	BAYTOWN	TX	77523	
28	STALZER ROBERT A & JESSICA GARRETT	6851	CHERRY BAYOU DR	BAYTOWN	TX	77523	6851 CHERRY BAYOU DR	BAYTOWN	TX	77523	
29	STONE HEATH JARED & ERIN MARIE	6843	CHERRY BAYOU DR	BAYTOWN	TX	77523	6843 CHERRY BAYOU DR	BAYTOWN	TX	77523	
30	CAIN AUSTIN P & COURTNEY J	6835	CHERRY BAYOU DR	BAYTOWN	TX	77523	6835 CHERRY BAYOU DR	BAYTOWN	TX	77523	
31	SHARPLEY JOSHUA H & CHELSIE B	6827	CHERRY BAYOU DR	BAYTOWN	TX	77523	6827 CHERRY BAYOU DR	BAYTOWN	TX	77523	
32	WOODALL JULE B & KEVIN	6819	CHERRY BAYOU DR	BAYTOWN	TX	77523	6819 CHERRY BAYOU DR	BAYTOWN	TX	77523	
33	RANEY ROGER & TAMMY	6811	CHERRY BAYOU DR	BAYTOWN	TX	77523	6811 CHERRY BAYOU DR	BAYTOWN	TX	77523	
34	RHEMANN JASON & ASHLEY	6803	CHERRY BAYOU DR	BAYTOWN	TX	77523	6803 CHERRY BAYOU DR	BAYTOWN	TX	77523	
35	BLANCHAT JOSEPH & STEPHANIE	4759	PINELOCH BAYOU DR	BAYTOWN	TX	77523	4759 PINELOCH BAYOU DR	BAYTOWN	TX	77523	
36	WALLS KEITH E & AMY	4751	PINELOCH BAYOU DR	BAYTOWN	TX	77523	4751 PINELOCH BAYOU DR	BAYTOWN	TX	77523	
37	WINFREE BAYOU ESTATES LLC						59 CROWN ARBOR	SUGAR LAND	TX	77498	
38	MOUTON TIMOTHY WAYNE & DANA MICHELLE	4735	PINELOCH BAYOU DRIVE	BAYTOWN	TX	77523	4735 PINELOCH BAYOU DRIVE	BAYTOWN	TX	77523	
39	PETERSON CHRISTINA MICHELE & ROBERT	4727	PINELOCH BAYOU DRIVE	BAYTOWN	TX	77523	4727 PINELOCH BAYOU AVE	BAYTOWN	TX	77523	
40	WINFREE BAYOU ESTATES LLC						59 CROWN ARBOR	SUGAR LAND	TX	77498	
41	TAYLOR LAURA LEE	4719	PINELOCH BAYOU DR	BAYTOWN	TX	77523	4719 PINELOCH BAYOU DR	BAYTOWN	TX	77523	
42	HOLDER ROBERT & DEBORAH	4711	PINELOCH BAYOU DR	BAYTOWN	TX	77523	4711 PINELOCH BAYOU DR	BAYTOWN	TX	77523	
43	FALCON ANOTNIO JR & JESSICA YVONNE	4703	PINELOCH BAYOU DRIVE	BAYTOWN	TX	77523	4703 PINELOCH BAYOU DRIVE	BAYTOWN	TX	77523	
44	MORRIS HUNTER & AMI	4651	PINELOCH BAYOU DR	BAYTOWN	TX	77523	4651 PINELOCH BAYOU DR	BAYTOWN	TX	77523	
45	SEIDEL SYBIL J & LOUIS F	4643	PINELOCH BAYOU DRIVE	BAYTOWN	TX	77523	4643 PINELOCH BAYOU DR	BAYTOWN	TX	77523	
46	HARPER CHARLES RAYMOND						6910 FM 3180 RD	BAYTOWN	TX	77523	7461
46	HARPER CHARLES RAYMOND						6910 FM 3180 RD	BAYTOWN	TX	77523	7461
47	KARL PROPERTIES INC						12609 E RIVER RUN	MONT BELVIEU	TX	77523	
48	KARL PROPERTIES INC		FM 565 S	COVE	TX		12609 E RIVER RUN	MONT BELVIEU	TX	77523	

REF NO.	OWNER NAME	PHYSICAL ADDRESS					MAILING ADDRESS				
		#	STREET	CITY	STATE	ZIP	STREET	CITY	ST	ZIP	ZIP
49	MONTGOMERY WYNONA MARIE & BRITT						5130 COTTON LAKE RD	COVE	TX	77523	
50	JOHNSON ERIC N & LAURA J	4812	COTTON LAKE RD	BAYTOWN	TX	77523	3211 TRINITY DR	BAYTOWN	TX	77523	
51	MONTGOMERY WYNONA MARIE & BRITT	4930	COTTON LAKE RD	BAYTOWN	TX	77523	5130 COTTON LAKE RD	COVE	TX	77523	
51	MONTGOMERY WYNONA MARIE & BRITT	4930	COTTON LAKE RD	BAYTOWN	TX	77523	5130 COTTON LAKE RD	COVE	TX	77523	
52	WALLACE CHRISTOPHER MICHAEL & KIMBERLY RENEE	28	COTTON BAYOU CIRCLE	COVE	TX	77523	28 COTTON BAYOU CIRCLE	COVE	TX	77523	
53	WALLACE CHRISTOPHER MICHAEL & KIMBERLY RENEE						28 COTTON BAYOU CIRCLE	COVE	TX	77523	
54	FLORENCE WILLIAM G			COVE	TX	77523	1538 CHESHIRE LN	HOUSTON	TX	77018	
55	MOMIN RENISH ALI			COVE	TX	77523	5119 BEACON POINTE	SUGAR LAND	TX	77479	
56	MADDOX MATTHEW R			COVE	TX	77523	2502 DROXFORD DR	HOUSTON	TX	77008	
57	PORTO LAURO			COVE	TX	77523	2 SAPLING PLACE	SPRING	TX	77382	

APRIL & SCOTT GILBERT
1967 BISCAYNE BLVD
NAVARRE FL 32566

DANIEL & KANDY NEWLIN
5858 NATCHEZ TRACE
COVE TX 77523

DAVID & PATRICIA MULLINS
5902 CAJUN WAY
BAYTOWN TX 77523

FOREST & SARA STOERNER
5910 CAJUN WAY
BAYTOWN TX 77523

BRADLEY & JULIE MODISETTE
5918 CAJUN WAY
COVE TX 77523

ST JOHN TERRI
5934 CAJUN WAY
BAYTOWN TX 77523

CHRIS & HALEY BOOZER
5942 CAJUN WAY
BAYTOWN TX 77523

JAMES & DEIDRA COGGIN
1602 BAYOU BREEZE
BAYTOWN TX 77523

DONALD & MELINDA ELLENDER
PO BOX 2041
MONT BELVIEU TX 77580

JEFFERY MUSCHALEK
1610 BAYOU BREEZE
BAYTOWN TX 77523

KIRK FLETCHER
1618 BAYOU BREEZE
BAYTOWN TX 77523

VINCENT TYDLACKA JR ET UX
1622 BAYOU BREEZE
BAYTOWN TX 77523-8444

JASON & STACY VASQUEZ
1626 BAYOU BREEZE DR
BAYTOWN TX 77523-8444

RONALD & CELIA RUTLEDGE
1630 BAYOU BREEZE
BAYTOWN TX 77523

BEAUX & BAYLIE SCHINDLER
1634 BAYOU BREEZE DR
BAYTOWN TX 77523

CLINTON & THERESA QUARTZ
1638 BAYOU BREEZE DR
BAYTOWN TX 77523

NATHAN & JESSICA SCHILLINGS
1702 BAYOU BREEZE DR
BAYTOWN TX 77523

SEAN & LESLIE WHITEMAN
1706 BAYOU BREEZE DR
COVE TX 77523

DAVID & AUTUMN LEWIS
1710 BAYOU BREEZE
BAYTOWN TX 77523

RICHARD & VICKY PARKER
1714 BAYOU BREEZE
BAYTOWN TX 77523

BLAIR & BRIAN MALONE
3011 ROYAL PALM DRIVE
BAYTOWN TX 77523

KEVIN SKAGGS
11222 KINGS POINT BLVD
DAYTON TX 77535

EAGLE POINT HOMES LLC
7520 FM 3180 SUITE 600
BAYTOWN TX 77523

WINFREE BAYOU ESTATES LLC
59 CROWN ARBOR
SUGAR LAND TX 77498

ADAM & KELLY PARSONS
6875 CHERRY BAYOU DR
BAYTOWN TX 77523

BRYAN & AMANDA CIZMAR
6867 CHERRY BAYOU DR
BAYTOWN TX 77523

KEVIN & JESSICA CARTER
6859 CHERRY BAYOU DR
BAYTOWN TX 77523

ROBERT & JESSICA STALZER
6851 CHERRY BAYOU DR
BAYTOWN TX 77523

HEATH & ERIN STONE
6843 CHERRY BAYOU DR
BAYTOWN TX 77523

AUSTIN & COURTNEY CAIN
6835 CHERRY BAYOU DR
BAYTOWN TX 77523

JOSHUA & CHELSIE SHARPLEY
6827 CHERRY BAYOU DR
BAYTOWN TX 77523

JULE & KEVIN WOODALL
6819 CHERRY BAYOU DR
BAYTOWN TX 77523

ROGER & TAMMY RANEY
6811 CHERRY BAYOU DR
BAYTOWN TX 77523

JASON & ASHLEY RHEMANN
6803 CHERRY BAYOU DR
BAYTOWN TX 77523

JOSEPH & STEPHANIE
BLANCHAT
4759 PINELOCH BAYOU DR
BAYTOWN TX 77523

KEITH & AMY WALLS
4751 PINELOCH BAYOU DR
BAYTOWN TX 77523

WINFREE BAYOU ESTATES LLC
59 CROWN ARBOR
SUGAR LAND TX 77498

TIMOTHY & DANA MOUTON
4735 PINELOCH BAYOU DR
BAYTOWN TX 77523

CHRISTINA & ROBERT
PETERSON
4727 PINELOCH BAYOU AVE
BAYTOWN TX 77523

WINFREE BAYOU ESTATES LLC
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Appendix I

Treatment Process Description

Treatment Process Description

Phase I:

Interim Phase I will have the capacity to serve an average daily flow of 0.06 MGD and a 2-hr peak flow of 167 GPM. The activated sludge processing plant will utilize an onsite lift station to pump raw influent from the subdivision to the elevated headworks consisting of two (2) manual bar screens. Weir plates in the headworks flow splitting structure will evenly split the screened influent and then gravity flow into each of the two (2) aeration basins. From the aeration basins, mixed liquor will be conveyed into the clarifier. The settled effluent will be returned to the aerated activated sludge basins or wasted to the two (2) aerated digester basins. The supernatant from the clarifier will flow over the v-notch weir, into the effluent drop box, and into one (1) aerated chlorine contact basin where flow will be conveyed through baffle walls to facilitate mixing and maintain a minimum contact time of 20-min. Disinfected effluent is then conveyed to the v-notch weir and drop box where it will gravity flow into the sampling manhole where effluent constituents will be sampled and tested. From the sampling manhole, disinfected effluent will outfall into a manmade ditch, thence to an unnamed tributary of Cotton Bayou.

Phase II:

Interim Phase II will have the capacity to serve an average daily flow of 0.12 MGD and a 2-hr peak flow of 333 GPM. The activated sludge processing plant will utilize an onsitelift station to pump raw influent from the subdivision to the elevated headworks consisting of two (2) manual bar screens. Weir plates in the headworks flow splitting structure will evenly split the screened influent and then gravity flow into each of the three (3) aeration basins. From the aeration basins, mixed liquor will be conveyed into one (1) clarifiers. The settled effluent will be returned to the aerated activated sludge basins or wasted to the three (3) aerated digester basins. The supernatant from the clarifiers will flow over the v-notch weir, into the effluent drop box, and into the one (1) aerated chlorine contact basins where flow will be conveyed through baffle walls to facilitate mixing and maintain a minimum contact time of 20-min. Disinfected effluent is then conveyed to the v-notch weir and drop box where it will gravity flow into the sampling manhole where effluent constituents will be sampled and tested for each basin. From the sampling manhole where effluent constituents will be sampled and tested. From the sampling manhole, disinfected effluent will outfall into a manmade ditch, thence to an unnamed tributary of Cotton Bayou.

Phase III:

Interim Phase III will have the capacity to serve an average daily flow of 0.24 MGD and a 2-hr peak flow of 667 GPM. The activated sludge processing plant will utilize an onsite lift station to pump raw influent from the subdivision to the elevated headworks consisting of two (2) manual bar screens. Weir plates in the headworks flow splitting structure will evenly split the screened influent and then gravity flow into each of the six (6) aeration basins. From the aeration basins, mixed liquor will be conveyed into two (2) clarifiers. The settled effluent will be returned to the aerated activated sludge basins or wasted to the six (6) aerated digester basins. The supernatant from the clarifiers will flow over the v-notch weir, into the effluent drop box, and into the two (2) aerated chlorine contact basins where flow will be conveyed through baffle walls to facilitate mixing and maintain a minimum contact time of 20-min. Disinfected effluent is then conveyed to the v-notch weir and drop box where it will gravity flow into the sampling manhole where effluent constituents will be sampled and tested for each basin. From each of the two (2) sampling manholes, disinfected effluent will outfall into a manmade ditch, thence to an unnamed tributary of Cotton Bayou.

Appendix J

Treatment Unit Descriptions

Phase I				
<i>Treatment Unit</i>	<i>L x W x D x SWD</i>	<i>Total Volume (ft³)</i>		
Aeration Basin 1	24'x12'x12'x10.3'	2,913		
Aeration Basin 2	24'x12'x12'x10.3'	2,913		
Total Ph I Aeration Volume		5,826		
Digester Basin 1	18'x12'x12'x10'	2,160		
Digester Basin 2	18'x12'x12'x10'	2,160		
Total Ph I Digester Volume		4,320		
Chlorine Contact Basin 1	15.8'x12'x12'x8.5'	1606.5		
Total Ph I Disinfection Basin Volume		1,606.5		
<i>Treatment Unit</i>	<i>Diameter (ft)</i>	<i>Surface Area (ft²)</i>	<i>SWD (ft)</i>	<i>Total Volume (ft³)</i>
Clarifier 1	26	530.9	10	5309.3
	Total Ph I Clarifier Surface Area	530.9	Total Ph I Clarifier Volume	5309.3

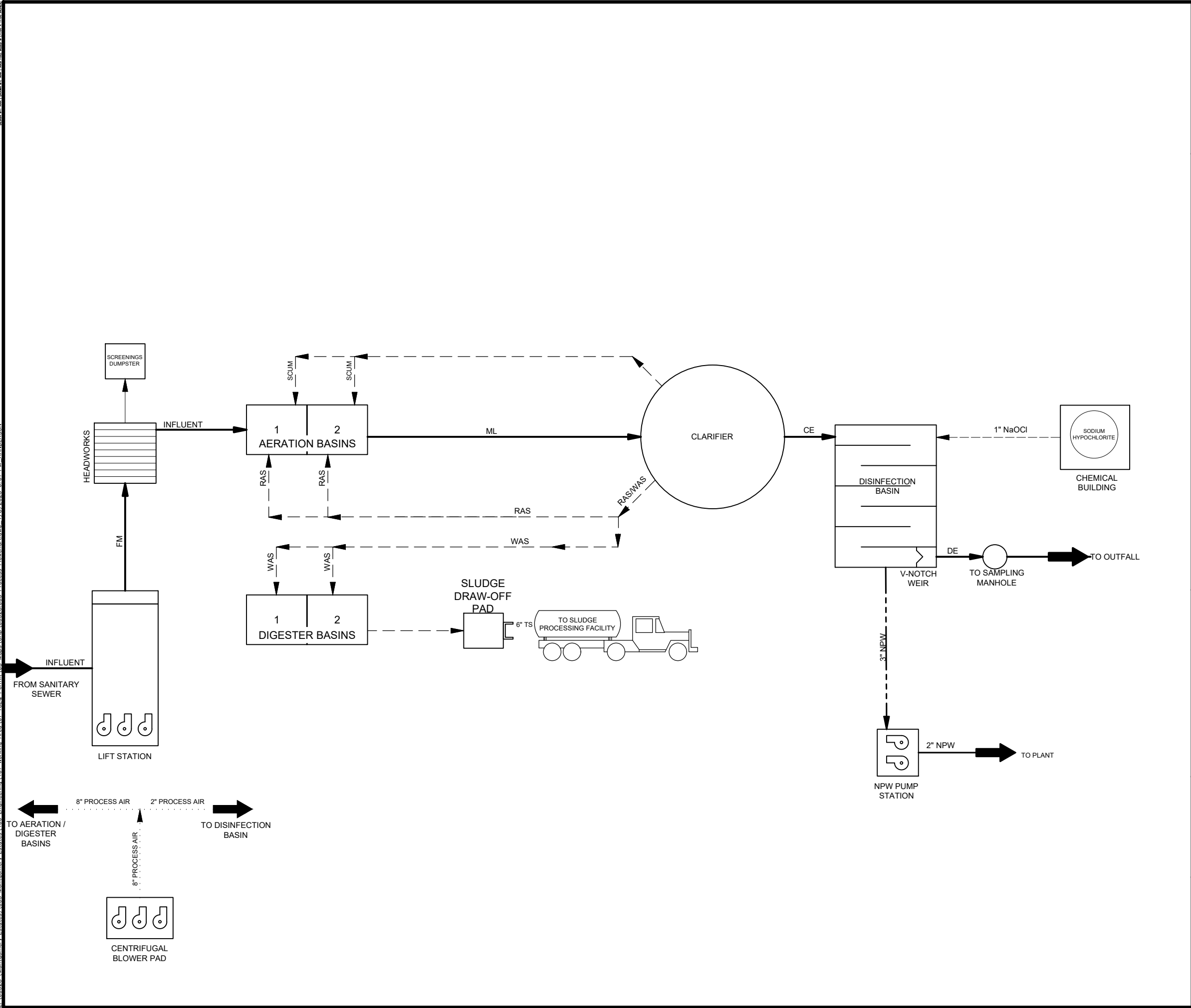
Phase II				
<i>Treatment Unit</i>	<i>L x W x D x SWD</i>	<i>Total Volume (ft³)</i>		
Aeration Basin 1	24'x12'x12'x10.3'	2,913		
Aeration Basin 2	24'x12'x12'x10.3'	2,913		
Aeration Basin 3	24'x12'x12'x10.3'	2,913		
Total Ph II Aeration Volume		8,739		
Digester Basin 1	18'x12'x12'x10'	2,160		
Digester Basin 2	18'x12'x12'x10'	2,160		
Digester Basin 3	18'x12'x12'x10'	2,160		
Total Ph II Digester Volume		6,480		
Chlorine Contact Basin 1	15.8'x12'x12'x8.5'	1,606.5		
Total Ph II Disinfection Basin Volume		1,606.5		
<i>Treatment Unit</i>	<i>Diameter (ft)</i>	<i>Surface Area (ft²)</i>	<i>SWD (ft)</i>	<i>Total Volume (ft³)</i>
Clarifier 1	26	530.9	10	5309.3
	Total Ph II Clarifier Surface Area	530.9	Total Ph II Clarifier Volume	5309.3

Phase III				
<i>Treatment Unit</i>	<i>L x W x D x SWD</i>	<i>Total Volume (ft³)</i>		
Aeration Basin 1	24'x12'x12'x10.3'	2,913		
Aeration Basin 2	24'x12'x12'x10.3'	2,913		
Aeration Basin 3	24'x12'x12'x10.3'	2,913		
Aeration Basin 4	24'x12'x12'x10.3'	2,913		
Aeration Basin 5	24'x12'x12'x10.3'	2,913		
Aeration Basin 6	24'x12'x12'x10.3'	2,913		
Total Ph III Aeration Volume		17,478		
Digester Basin 1	18'x12'x12'x10'	2,160		
Digester Basin 2	18'x12'x12'x10'	2,160		
Digester Basin 3	18'x12'x12'x10'	2,160		
Digester Basin 4	18'x12'x12'x10'	2,160		

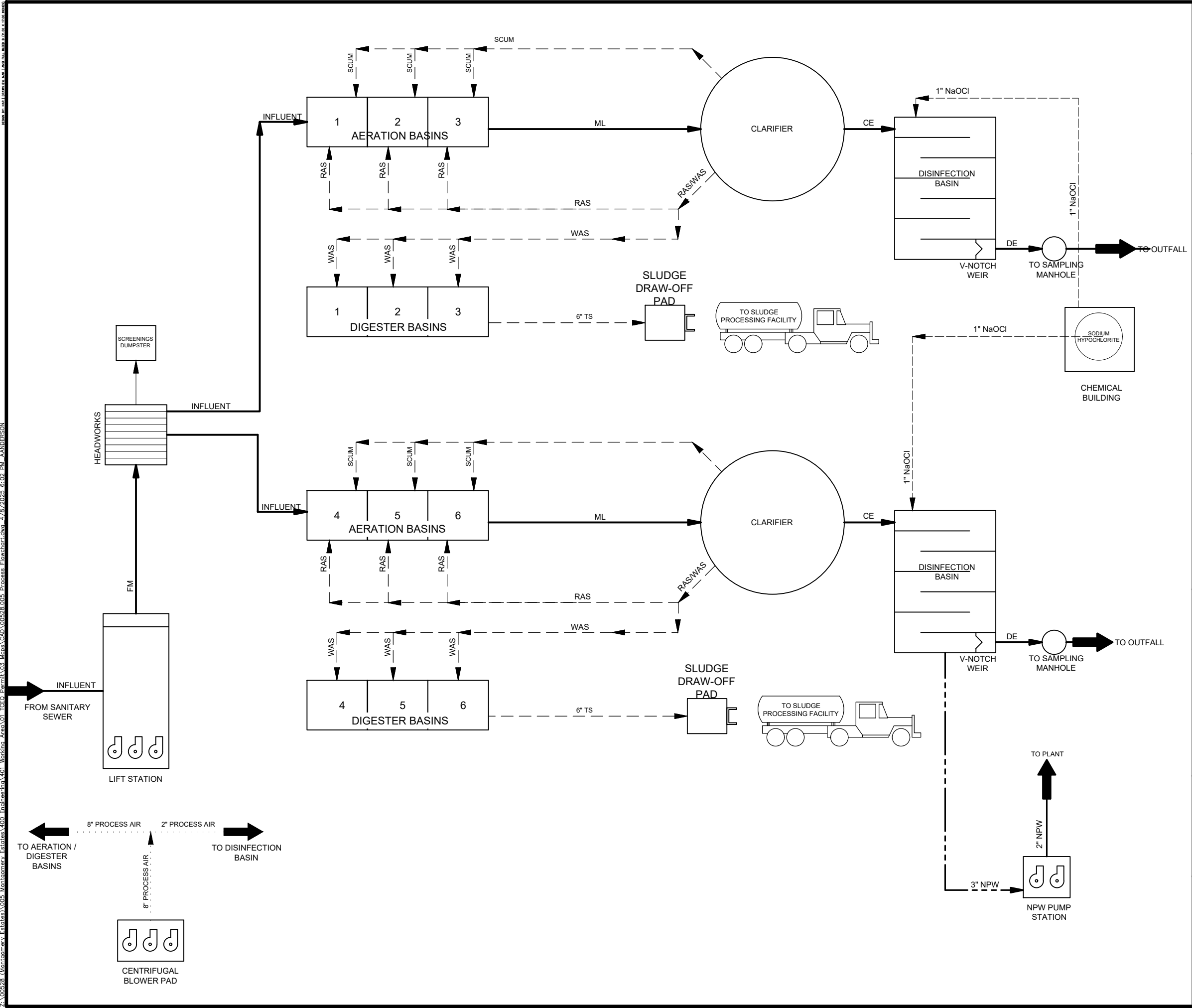
Digester Basin 5	18'x12'x12'x10'	2,160		
Digester Basin 6	18'x12'x12'x10'	2,160		
Total Ph III Digester Volume		12,960		
Chlorine Contact Basin 1	15.8'x12'x12'x9.5'	1,795.5		
Chlorine Contact Basin 2	15.8'x12'x12'x9.5'	1,795.5		
Total Ph III Disinfection Basin Volume		3,591		
<i>Treatment Unit</i>	<i>Diameter (ft)</i>	<i>Surface Area (ft²)</i>	<i>SWD (ft)</i>	<i>Total Volume (ft³)</i>
Clarifier 1	26	530.9	10	5,309.3
Clarifier 2	26	530.9	10	5,309.3
	Total Ph III Clarifier Surface Area	1,061.9	Total Ph III Clarifier Volume	10,618.6

Appendix K

Flow Diagram



7: 100528 (Montgomery Estates) 1005 Montgomery Estates 400 Engineering 401 Working Area 01 TCEQ Permit 03 Maps CAD 00528 005 Process Flowchart.dwg 4/8/2025 6:02 PM ANDERSON



- LEGEND
- MAIN PROCESSES ———
 - SECONDARY PROCESSES - - - - -
 - PROCESS AIR
 - NON-POTABLE WATER _____
 - CHEMICAL LINES - - - - -



TEXAS REGISTERED ENGINEERING FIRM F-9756

2500 Tanglewilde, Suite 120 | 4526 Research Forest, Suite 360
Houston, Texas 77063 | The Woodlands, Texas 77381
713.789.1900 | 713.789.1900

MONTGOMERY ESTATES WASTEWATER TREATMENT PLANT

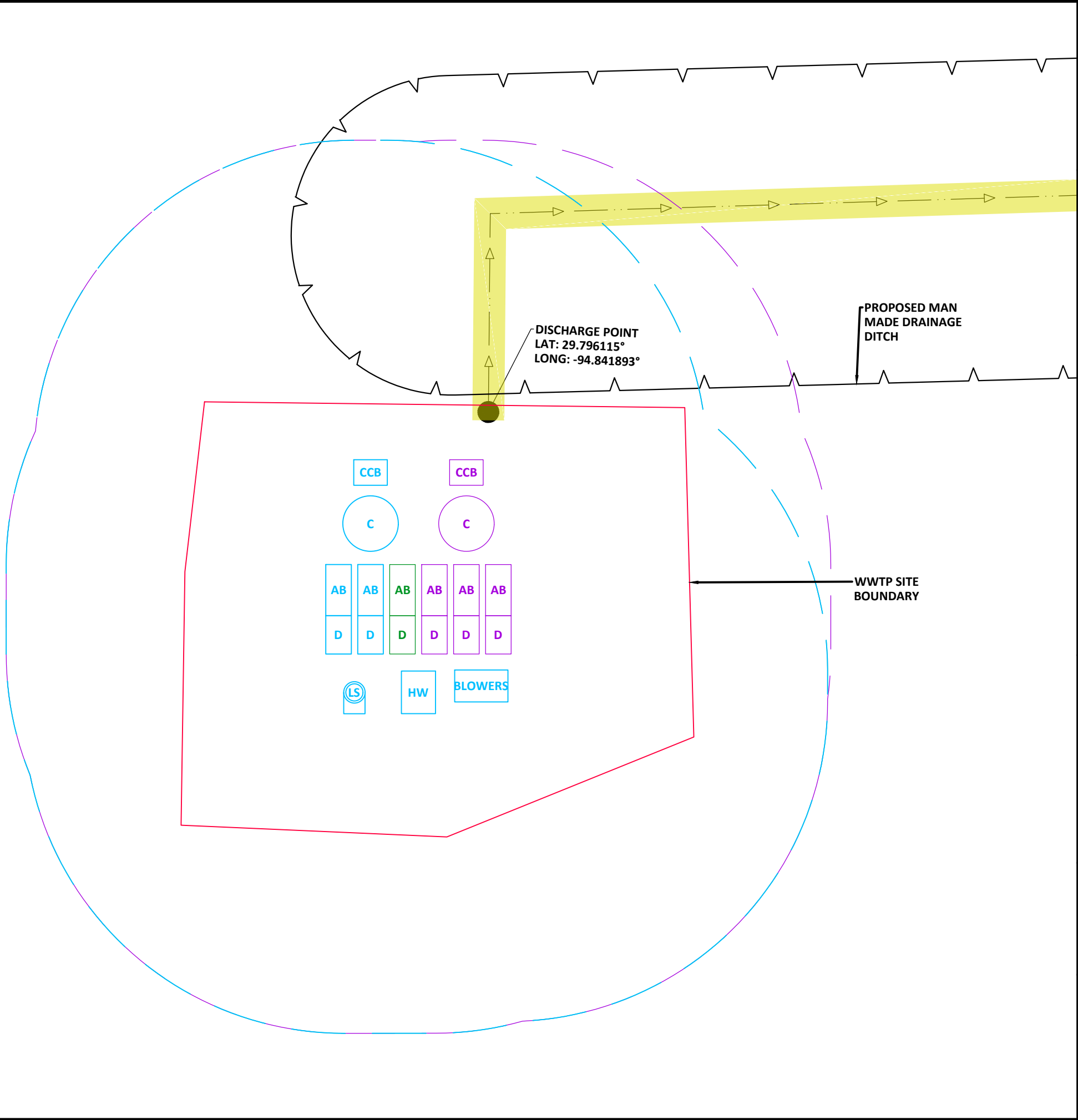
PROCESS FLOW DIAGRAM PH III

DRAWING SCALE:

Appendix L

Site Drawing

Z:\00528 (Montgomery Estates)\005 Montgomery Estates\400 Engineering\401 Working Area\01 TCEQ Permit\03 Maps\CAD\Site Exhibits.dwg_4/8/2025 6:05 PM ANDERSON



FLOOD PLAIN NOTE:
THIS SUBJECT TRACT LIES WITHIN UNSHADED ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 500-YEAR FLOODPLAIN) ON THE FLOOD INSURANCE MAP FOR CHAMBERS COUNTY, TEXAS UNINCORPORATED AREAS, MAP NO. 48071C0190E DATED MAY 4, 2015.

0 50 100
SCALE: 1" = 50'

LEGEND

PHASE I ———

PHASE II ———

PHASE III ———

ABBREVIATIONS

C	CLARIFIER
AB	AERATION BASIN
D	DIGESTER
CCB	CHLORINE CONTACT BASIN
HW	HEADWORKS
LS	LIFT STATION

WGA

TEXAS REGISTERED ENGINEERING FIRM F-9756

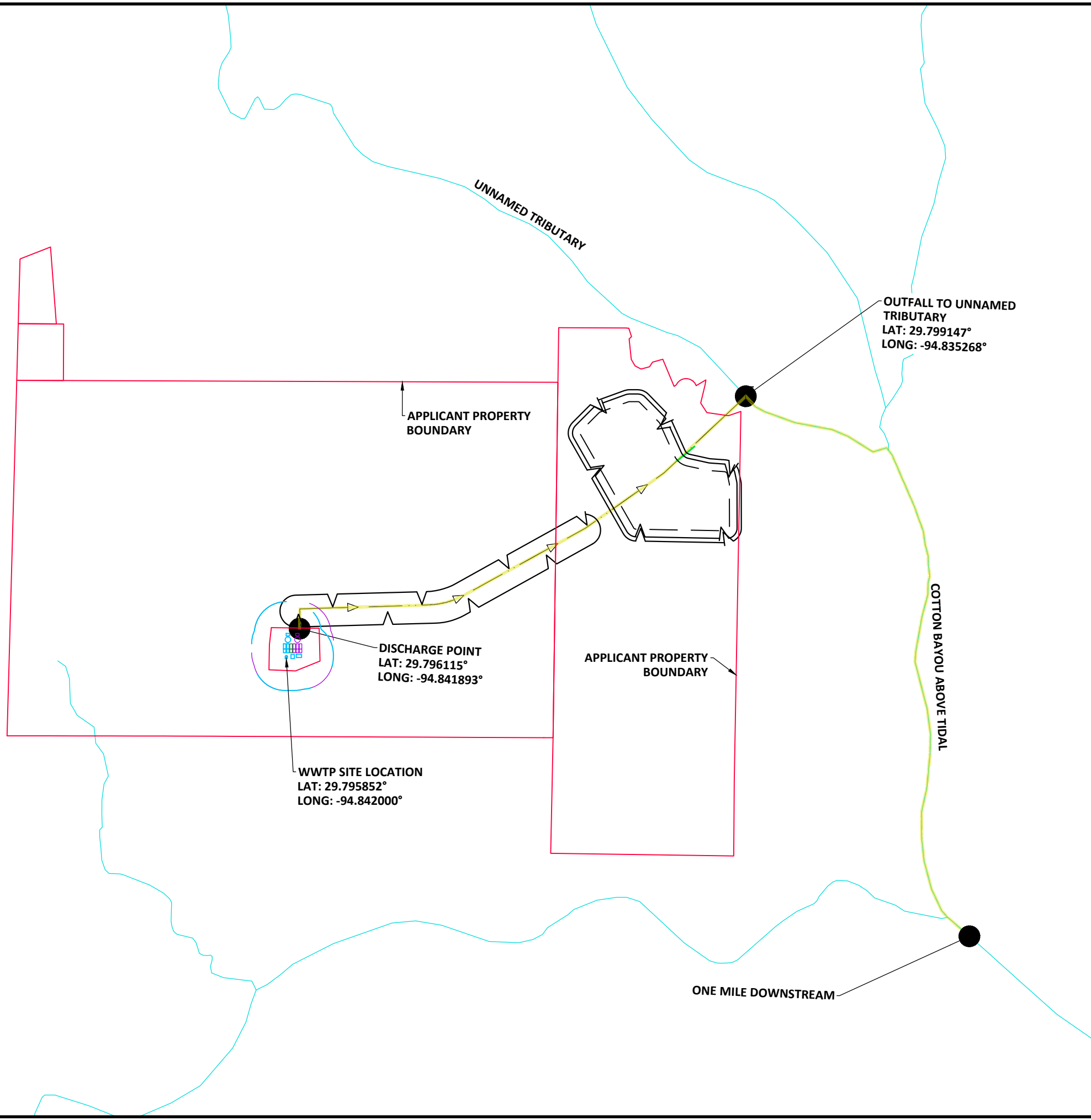
2500 Tanglewilde, Suite 120 Houston, Texas 77063 713.789.1900	4526 Research Forest, Suite 360 The Woodlands, Texas 77381 713.789.1900
---	---

**MONTGOMERY ESTATES
WASTEWATER
TREATMENT PLANT**

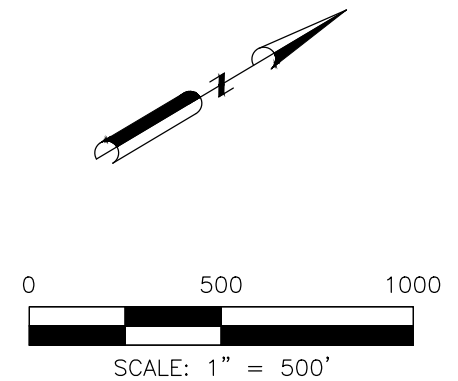
SITE DRAWING

DRAWING SCALE:

Z:\00528 (Montgomery Estates)\005 Montgomery Estates\400 Engineering\401 Working Area\01 TCEQ Permit\03 Maps\CAD\Site Exhibits.dwg 4/8/2025 6:05 PM ANDERSON



FLOOD PLAIN NOTE:
THIS SUBJECT TRACT LIES WITHIN UNSHADED ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 500-YEAR FLOODPLAIN) ON THE FLOOD INSURANCE MAP FOR CHAMBERS COUNTY, TEXAS UNINCORPORATED AREAS, MAP NO. 48071C0190E DATED MAY 4, 2015.



WGA

TEXAS REGISTERED ENGINEERING FIRM F-9756

2500 Tanglewilde, Suite 120
Houston, Texas 77063
713.789.1900

4526 Research Forest, Suite 360
The Woodlands, Texas 77381
713.789.1900

MONTGOMERY ESTATES
WASTEWATER
TREATMENT PLANT

OVERALL SITE
DRAWING

DRAWING SCALE:

Appendix M

Service Requests

MONTGOMERY ESTATES - SERVICE REQUEST TRACKING NUMBERS

PERMITTEE/CUSTOMER	ADDRESS LINE 1	USPS TRACKING NUMBER	DELIVERED?	RECEIVED RESPONSE
Parkland Development LLC	6420 Hillcroft Street, Suite 218, Houston 77081	USPS 9414809898643068490130	<input type="checkbox"/>	<input type="checkbox"/>
Via Bayou LLC	3618 Lakeside Drive, Rockwall 75087	USPS 9414809898643068488779	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chambers County Improvements District No. 3	1300 Post Oak Blvd, Suite 2400, Houston 77056	USPS 9414809898643569512140	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GoLive Acquisitions LLC	4615 Ironwood Drive, Baytown 77521	USPS 9414809898643068488120	<input type="checkbox"/>	<input type="checkbox"/>
Texas Water Utilities LP	1620 Grand Avenue Parkway, Suite 140, Pflugerville 78660	USPS 9414809898643068489417	<input type="checkbox"/>	<input type="checkbox"/>
Baytown 99 Industrial LP	10210 North Central Expressway, Suite 300, Dallas 75231	USPS 9414809898643569512300	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3180 Maverick Investments LLC	59 Crown Arbor, Sugar Land 77498	USPS 9414809898643068488090	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PTX Holdings LLC	1311 Broadfield Boulevard, Suite 100, Houston 77084	USPS 9414809898643569515011	<input type="checkbox"/>	<input type="checkbox"/>
Aqua Texas, Inc	1106 Clayton Ln, Suite 400W, Austin 78723	USPS 9414809898643068487499	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tiki Leasing Company LTD	461 Creekside Drive, League City 77573	USPS 9414809898643569514052	<input type="checkbox"/>	<input type="checkbox"/>
NRG Texas Power LLC	910 Louisiana St, 7th Floor, Houston 77002	USPS 9414809898643569515257	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NRG Cedar Bayou LLC	910 Louisiana St, 7th Floor, Houston 77002	USPS 9414809898643569515158	<input checked="" type="checkbox"/>	<input type="checkbox"/>



Date Produced: 03/31/2025

Pitney Bowes:

The following is the delivery information for Certified Mail™/RRE item number 9414 8098 9864 3068 4874 99. Our records indicate that this item was delivered on 03/28/2025 at 10:57 a.m. in AUSTIN, TX 78723. The scanned image of the recipient information is provided below.

Signature of Recipient :

Two handwritten signatures in black ink. The top signature is a large, fluid, cursive-style signature. The bottom signature is a smaller, more compact, and stylized signature.

Address of Recipient :

**1106 CLAYTON LN STE 400W,
AUSTIN, TX 78723**

Thank you for selecting the Postal Service for your mailing needs. If you require additional assistance, please contact your local post office or Postal Service representative.

Sincerely,
United States Postal Service

The customer reference number shown below is not validated or endorsed by the United States Postal Service. It is solely for customer use.

Customer Reference Number: AAnderson - 00258-005



Date of Reply: 4/03/2025

Does **Veranda WYTP (WQ0011449001)** have the capacity available to accommodate **0.06 MGD** (circle one)? YES or NO

If existing facilities are not adequate, is expansion feasible? YES or NO

If yes to EITHER question, please provide in writing the terms for service.

Name and Title: Justina Patton Business Development Coordinator

Signature: Justina Patton Date: 4/03/2025



Date Produced: 03/31/2025

Pitney Bowes:

The following is the delivery information for Certified Mail™/RRE item number 9414 8098 9864 3569 5151 58. Our records indicate that this item was delivered on 03/28/2025 at 02:35 p.m. in HOUSTON, TX 77002. The scanned image of the recipient information is provided below.

Signature of Recipient :

A handwritten signature in black ink, appearing to read "Brar Seth". The signature is written in a cursive, stylized font. Above the signature, there is a large, horizontal, oval-shaped scribble or mark.

Address of Recipient :

**910 LOUISIANA ST STE B200,
HOUSTON, TX 77002**

Thank you for selecting the Postal Service for your mailing needs. If you require additional assistance, please contact your local post office or Postal Service representative.

Sincerely,
United States Postal Service

The customer reference number shown below is not validated or endorsed by the United States Postal Service. It is solely for customer use.

Customer Reference Number: AAnderson - 00258-005



Date Produced: 03/31/2025

Pitney Bowes:

The following is the delivery information for Certified Mail™/RRE item number 9414 8098 9864 3569 5152 57. Our records indicate that this item was delivered on 03/28/2025 at 02:35 p.m. in HOUSTON, TX 77002. The scanned image of the recipient information is provided below.

Signature of Recipient :

A handwritten signature in black ink, appearing to read "Brar Seth". The signature is written in a cursive style with a large, loopy initial "B" and a long horizontal stroke extending to the right.

Address of Recipient :

**910 LOUISIANA ST STE B200,
HOUSTON, TX 77002**

Thank you for selecting the Postal Service for your mailing needs. If you require additional assistance, please contact your local post office or Postal Service representative.

Sincerely,
United States Postal Service

The customer reference number shown below is not validated or endorsed by the United States Postal Service. It is solely for customer use.

Customer Reference Number: AAnderson - 00258-005

Date Produced: 04/03/2025

Pitney Bowes:

The following is the delivery information for Certified Mail™/RRE item number 9414 8098 9864 3068 4880 90. Our records indicate that this item was delivered on 04/02/2025 at 03:32 p.m. in SUGAR LAND, TX 77478. The scanned image of the recipient information is provided below.

Signature of Recipient :


John K

Address of Recipient :

59 CROWN ARBO
SUGAR LAND, TX 77498-2396

Thank you for selecting the Postal Service for your mailing needs. If you require additional assistance, please contact your local post office or Postal Service representative.

Sincerely,
United States Postal Service

The customer reference number shown below is not validated or endorsed by the United States Postal Service. It is solely for customer use.

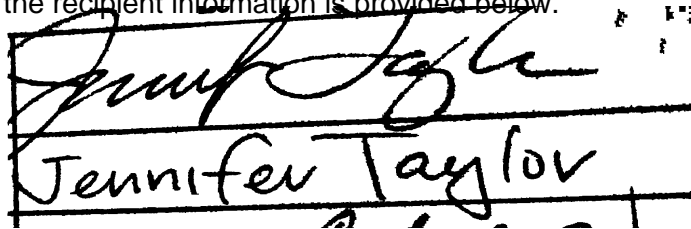
Customer Reference Number: AAnderson - 00258-005

Date Produced: 04/01/2025

Pitney Bowes:

The following is the delivery information for Certified Mail™/RRE item number 9414 8098 9864 3569 5123 00. Our records indicate that this item was delivered on 03/31/2025 at 02:01 p.m. in DALLAS, TX 75231. The scanned image of the recipient information is provided below.

Signature of Recipient :



Jennifer Taylor

Address of Recipient :



10210 N Central Ex

Thank you for selecting the Postal Service for your mailing needs. If you require additional assistance, please contact your local post office or Postal Service representative.

Sincerely,
United States Postal Service

The customer reference number shown below is not validated or endorsed by the United States Postal Service. It is solely for customer use.

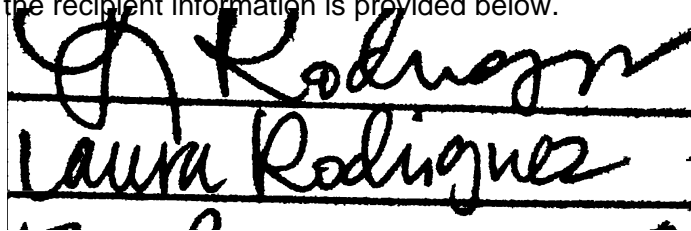
Customer Reference Number: AAnderson - 00258-005

Date Produced: 03/31/2025

Pitney Bowes:

The following is the delivery information for Certified Mail™/RRE item number 9414 8098 9864 3569 5121 40. Our records indicate that this item was delivered on 03/28/2025 at 03:51 p.m. in HOUSTON, TX 77056. The scanned image of the recipient information is provided below.

Signature of Recipient :



LAURA RODRIGUEZ

Address of Recipient :



1360 Post Oak Blvd

Thank you for selecting the Postal Service for your mailing needs. If you require additional assistance, please contact your local post office or Postal Service representative.

Sincerely,
United States Postal Service

The customer reference number shown below is not validated or endorsed by the United States Postal Service. It is solely for customer use.

Customer Reference Number: AAnderson - 00258-005

Date Produced: 03/31/2025

Pitney Bowes:

The following is the delivery information for Certified Mail™/RRE item number 9414 8098 9864 3068 4887 79. Our records indicate that this item was delivered on 03/29/2025 at 10:34 a.m. in ROCKWALL, TX 75087. The scanned image of the recipient information is provided below.

Signature of Recipient :



Address of Recipient :

**3618 LAKESIDE DR,
ROCKWALL, TX 75087**

Thank you for selecting the Postal Service for your mailing needs. If you require additional assistance, please contact your local post office or Postal Service representative.

Sincerely,
United States Postal Service

The customer reference number shown below is not validated or endorsed by the United States Postal Service. It is solely for customer use.

Customer Reference Number: AAnderson - 00258-005

LETTER OF TRANSMITTAL



2500 Tanglewilde, Suite 120

Houston, Texas 77063

<input type="checkbox"/> Regular USPS	<input type="checkbox"/> FedEx	<input type="checkbox"/> Courier from WGA	<input type="checkbox"/> End of Day
<input checked="" type="checkbox"/> Certified USPS	<input type="checkbox"/> Overnight	<input type="checkbox"/> Courier to WGA	<input type="checkbox"/> Expedited

Date: 3/25/2025

Project No: 00528-005

To:

3180 Maverick Investments, LLC

59 Crown Arbor

Sugar Land, TX 77498

Attn:

Phone Number:

346-771-5311

Email Address: aanderson@wga-llp.com

Delivery Instructions:

Re: Montgomery Estates, LLC – Request for Service – Application for New TPDES Permit

Quantity	Description
1	Request for Service Letter

Audrey Anderson, Project Engineer
Ward, Getz & Associates, PLLC



March 25, 2025

3180 Maverick Investments, LLC
59 Crown Arbor
Sugar Land, TX 77498

SUBJECT: Montgomery Estates, LLC
Proposed Chambers County MUD No. 4 Wastewater Treatment Plant
Application for New TPDES Permit

Greetings 3180 Maverick Investments, LLC,

Montgomery Estates, LLC is preparing an application for a new Texas Pollutant Discharge Elimination System (TPDES) wastewater discharge permit. This wastewater treatment facility will serve a proposed subdivision which will consist of an ultimate buildout of 960 single family residences. We are in the process of applying for an authorized flow of 0.06 million gallons per day (MGD) in Phase I. Ultimate Phase III will require a capacity of 0.240 MGD.

We are required to contact all existing TPDES permittees within a three-mile radius of the proposed wastewater treatment facility location to request service to promote regionalization. Your plant, Rush Gas Station W/WTP is within the three-mile radius. Do you have the capacity and are you willing to provide service for the requested 0.06 MGD? If you do not have the current capacity, but are willing to expand your facility to provide service, will you be able to provide service within the needed time frame? If you are willing to provide service, please provide the estimated costs and service rates in a written response.

Please provide a response indicating if 0.06 MGD of wastewater treatment capacity in your facility is available and, if so, under what terms. A written reply on a copy of this letter will be adequate. You may email your response to aanderson@wga-llp.com. Please feel free to call me at 346-771-5311 if you have any questions.

Thank you for your participation in these efforts.

Sincerely,

A handwritten signature in blue ink, reading "Audrey Anderson", is positioned above a horizontal line.

Audrey Anderson
Project Engineer
Ward, Getz & Associates, LLP



Date of Reply: _____

Does **Rush Gas Station WWTP (WQ0015245001)** have the capacity available to accommodate **0.06 MGD** (circle one)? YES or NO

If existing facilities are not adequate, is expansion feasible? YES or NO

If yes to EITHER question, please provide in writing the terms for service.

Name and Title: _____

Signature: _____ Date: _____

LETTER OF TRANSMITTAL



2500 Tanglewilde, Suite 120
Houston, Texas 77063

<input type="checkbox"/> Regular USPS	<input type="checkbox"/> FedEx	<input type="checkbox"/> Courier from WGA	<input type="checkbox"/> End of Day
<input checked="" type="checkbox"/> Certified USPS	<input type="checkbox"/> Overnight	<input type="checkbox"/> Courier to WGA	<input type="checkbox"/> Expedited

Date: 3/25/2025

Project No: 00528-005

To:

Aqua Texas, Inc
1106 Clayton Ln, Suite 400W
Austin, TX 78723

Attn:

Phone Number:

346-771-5311

Email Address: aanderson@wga-llp.com

Delivery Instructions:

Re: Montgomery Estates, LLC – Request for Service – Application for New TPDES Permit

Quantity	Description
1	Request for Service Letter

Audrey Anderson, Project Engineer
Ward, Getz & Associates, PLLC



March 25, 2025

Aqua Texas, Inc
Scot Foltz, Environmental Compliance Manager
1106 Clayton Ln, Ste 400W
Austin, TX 78723

SUBJECT: Montgomery Estates, LLC
 Proposed Chambers County MUD No. 4 Wastewater Treatment Plant
 Application for New TPDES Permit

Greetings Aqua Texas, Inc,

Montgomery Estates, LLC is preparing an application for a new Texas Pollutant Discharge Elimination System (TPDES) wastewater discharge permit. This wastewater treatment facility will serve a proposed subdivision which will consist of an ultimate buildout of 960 single family residences. We are in the process of applying for an authorized flow of 0.06 million gallons per day (MGD) in Phase I. Ultimate Phase III will require a capacity of 0.240 MGD.

We are required to contact all existing TPDES permittees within a three-mile radius of the proposed wastewater treatment facility location to request service to promote regionalization. Your plant, Veranda WWTP is within the three-mile radius. Do you have the capacity and are you willing to provide service for the requested 0.06 MGD? If you do not have the current capacity, but are willing to expand your facility to provide service, will you be able to provide service within the needed time frame? If you are willing to provide service, please provide the estimated costs and service rates in a written response.

Please provide a response indicating if 0.06 MGD of wastewater treatment capacity in your facility is available and, if so, under what terms. A written reply on a copy of this letter will be adequate. You may email your response to aanderson@wga-llp.com. Please feel free to call me at 346-771-5311 if you have any questions.

Thank you for your participation in these efforts.

Sincerely,

A handwritten signature in blue ink, reading "Audrey Anderson", is positioned above a horizontal line.

Audrey Anderson
Project Engineer
Ward, Getz & Associates, LLP



Date of Reply: _____

Does **Veranda WWTP (WQ0011449001)** have the capacity available to accommodate **0.06 MGD** (circle one)? YES or NO

If existing facilities are not adequate, is expansion feasible? YES or NO

If yes to EITHER question, please provide in writing the terms for service.

Name and Title: _____

Signature: _____ Date: _____

LETTER OF TRANSMITTAL



2500 Tanglewilde, Suite 120
Houston, Texas 77063

<input type="checkbox"/> Regular USPS	<input type="checkbox"/> FedEx	<input type="checkbox"/> Courier from WGA	<input type="checkbox"/> End of Day
<input checked="" type="checkbox"/> Certified USPS	<input type="checkbox"/> Overnight	<input type="checkbox"/> Courier to WGA	<input type="checkbox"/> Expedited

Date: 3/25/2025

Project No: 00528-005

To:

Baytown 99 Industrial, LP
10210 North Central Expressway, Suite 300
Dallas, TX 75231

Attn:

Phone Number:

346-771-5311

Email Address: aanderson@wga-llp.com

Delivery Instructions:

Re: Montgomery Estates, LLC – Request for Service – Application for New TPDES Permit

Quantity	Description
1	Request for Service Letter

Audrey Anderson, Project Engineer
Ward, Getz & Associates, PLLC



March 25, 2025

Baytown 99 Industrial, LP
Jay Hawes, Managing Member
10210 North Central Expressway, Ste 300
Dallas, TX 75231

SUBJECT: Montgomery Estates, LLC
 Proposed Chambers County MUD No. 4 Wastewater Treatment Plant
 Application for New TPDES Permit

Greetings Baytown 99 Industrial, LP,

Montgomery Estates, LLC is preparing an application for a new Texas Pollutant Discharge Elimination System (TPDES) wastewater discharge permit. This wastewater treatment facility will serve a proposed subdivision which will consist of an ultimate buildout of 960 single family residences. We are in the process of applying for an authorized flow of 0.06 million gallons per day (MGD) in Phase I. Ultimate Phase III will require a capacity of 0.240 MGD.

We are required to contact all existing TPDES permittees within a three-mile radius of the proposed wastewater treatment facility location to request service to promote regionalization. Your plant, Port 99 WWTP is within the three-mile radius. Do you have the capacity and are you willing to provide service for the requested 0.06 MGD? If you do not have the current capacity, but are willing to expand your facility to provide service, will you be able to provide service within the needed time frame? If you are willing to provide service, please provide the estimated costs and service rates in a written response.

Please provide a response indicating if 0.06 MGD of wastewater treatment capacity in your facility is available and, if so, under what terms. A written reply on a copy of this letter will be adequate. You may email your response to aanderson@wga-llp.com. Please feel free to call me at 346-771-5311 if you have any questions.

Thank you for your participation in these efforts.

Sincerely,

A handwritten signature in blue ink, reading "Audrey Anderson", is positioned above a horizontal line.

Audrey Anderson
Project Engineer
Ward, Getz & Associates, LLP



Date of Reply: _____

Does **Port 99 WWTP (WQ0016305001)** have the capacity available to accommodate **0.06 MGD** (circle one)? YES or NO

If existing facilities are not adequate, is expansion feasible? YES or NO

If yes to EITHER question, please provide in writing the terms for service.

Name and Title: _____

Signature: _____ Date: _____

LETTER OF TRANSMITTAL



2500 Tanglewilde, Suite 120
Houston, Texas 77063

<input type="checkbox"/> Regular USPS	<input type="checkbox"/> FedEx	<input type="checkbox"/> Courier from WGA	<input type="checkbox"/> End of Day
<input checked="" type="checkbox"/> Certified USPS	<input type="checkbox"/> Overnight	<input type="checkbox"/> Courier to WGA	<input type="checkbox"/> Expedited

Date: 3/25/2025

Project No: 00528-005

To:

Chambers County Improvements District No. 3
1300 Post Oak Blvd, Suite 2400
Houston, TX 77056

Attn:

Phone Number:

346-771-5311

Email Address: aanderson@wga-llp.com

Delivery Instructions:

Re: Montgomery Estates, LLC – Request for Service – Application for New TPDES Permit

Quantity	Description
1	Request for Service Letter

Audrey Anderson, Project Engineer
Ward, Getz & Associates, PLLC



March 25, 2025

Chambers County Improvements District No. 3
Mr. Jonathan Nguyen, Quiddity Engineering
1300 Post Oak Blvd, Ste 2400
Houston, TX 77056

SUBJECT: Montgomery Estates, LLC
 Proposed Chambers County MUD No. 4 Wastewater Treatment Plant
 Application for New TPDES Permit

Greetings Chambers County ID No. 3,

Montgomery Estates, LLC is preparing an application for a new Texas Pollutant Discharge Elimination System (TPDES) wastewater discharge permit. This wastewater treatment facility will serve a proposed subdivision which will consist of an ultimate buildout of 960 single family residences. We are in the process of applying for an authorized flow of 0.06 million gallons per day (MGD) in Phase I. Ultimate Phase III will require a capacity of 0.240 MGD.

We are required to contact all existing TPDES permittees within a three-mile radius of the proposed wastewater treatment facility location to request service to promote regionalization. Your plant, Chambers County ID No. 3 WWTP is within the three-mile radius. Do you have the capacity and are you willing to provide service for the requested 0.06 MGD? If you do not have the current capacity, but are willing to expand your facility to provide service, will you be able to provide service within the needed time frame? If you are willing to provide service, please provide the estimated costs and service rates in a written response.

Please provide a response indicating if 0.06 MGD of wastewater treatment capacity in your facility is available and, if so, under what terms. A written reply on a copy of this letter will be adequate. You may email your response to aanderson@wga-llp.com. Please feel free to call me at 346-771-5311 if you have any questions.

Thank you for your participation in these efforts.

Sincerely,

A handwritten signature in blue ink, reading "Audrey Anderson", is positioned above a horizontal line.

Audrey Anderson
Project Engineer
Ward, Getz & Associates, LLP



Date of Reply: _____

Does **Chambers County ID No. 3 WWTP (WQ0015887001)** have the capacity available to accommodate **0.06 MGD** (circle one)? YES or NO

If existing facilities are not adequate, is expansion feasible? YES or NO

If yes to EITHER question, please provide in writing the terms for service.

Name and Title: _____

Signature: _____ Date: _____

LETTER OF TRANSMITTAL



2500 Tanglewilde, Suite 120
Houston, Texas 77063

<input type="checkbox"/> Regular USPS	<input type="checkbox"/> FedEx	<input type="checkbox"/> Courier from WGA	<input type="checkbox"/> End of Day
<input checked="" type="checkbox"/> Certified USPS	<input type="checkbox"/> Overnight	<input type="checkbox"/> Courier to WGA	<input type="checkbox"/> Expedited

Date: 3/25/2025

Project No: 00528-005

To:

GoLive Acquisitions LLC
4615 Ironwood Drive
Baytown, TX 77521

Attn:

Phone Number:

346-771-5311

Email Address: aanderson@wga-llp.com

Delivery Instructions:

Re: Montgomery Estates, LLC – Request for Service – Application for New TPDES Permit

Quantity	Description
1	Request for Service Letter

Audrey Anderson, Project Engineer
Ward, Getz & Associates, PLLC



March 25, 2025

GoLive Acquisitions, LLC
4615 Ironwood Drive
Baytown, TX 77521

SUBJECT: Montgomery Estates, LLC
 Proposed Chambers County MUD No. 4 Wastewater Treatment Plant
 Application for New TPDES Permit

Greetings GoLive Acquisitions, LLC,

Montgomery Estates, LLC is preparing an application for a new Texas Pollutant Discharge Elimination System (TPDES) wastewater discharge permit. This wastewater treatment facility will serve a proposed subdivision which will consist of an ultimate buildout of 960 single family residences. We are in the process of applying for an authorized flow of 0.06 million gallons per day (MGD) in Phase I. Ultimate Phase III will require a capacity of 0.240 MGD.

We are required to contact all existing TPDES permittees within a three-mile radius of the proposed wastewater treatment facility location to request service to promote regionalization. Your plant, GoLive Sports Campus WWTP is within the three-mile radius. Do you have the capacity and are you willing to provide service for the requested 0.06 MGD? If you do not have the current capacity, but are willing to expand your facility to provide service, will you be able to provide service within the needed time frame? If you are willing to provide service, please provide the estimated costs and service rates in a written response.

Please provide a response indicating if 0.06 MGD of wastewater treatment capacity in your facility is available and, if so, under what terms. A written reply on a copy of this letter will be adequate. You may email your response to aanderson@wga-llp.com. Please feel free to call me at 346-771-5311 if you have any questions.

Thank you for your participation in these efforts.

Sincerely,

A handwritten signature in blue ink, reading "Audrey Anderson", is positioned above a horizontal line.

Audrey Anderson
Project Engineer
Ward, Getz & Associates, LLP



Date of Reply: _____

Does **GoLive Sports Campus WWTP (WQ0016120001)** have the capacity available to accommodate **0.06 MGD** (circle one)? YES or NO

If existing facilities are not adequate, is expansion feasible? YES or NO

If yes to EITHER question, please provide in writing the terms for service.

Name and Title: _____

Signature: _____ Date: _____

LETTER OF TRANSMITTAL



2500 Tanglewilde, Suite 120
Houston, Texas 77063

<input type="checkbox"/> Regular USPS	<input type="checkbox"/> FedEx	<input type="checkbox"/> Courier from WGA	<input type="checkbox"/> End of Day
<input checked="" type="checkbox"/> Certified USPS	<input type="checkbox"/> Overnight	<input type="checkbox"/> Courier to WGA	<input type="checkbox"/> Expedited

Date: 3/25/2025

Project No: 00528-005

To:

NRG Cedar Bayou LLC
910 Louisiana St, 7th Floor
Houston, TX 77002

Attn:

Phone Number:

346-771-5311

Email Address: aanderson@wga-llp.com

Delivery Instructions:

Re: Montgomery Estates, LLC – Request for Service – Application for New TPDES Permit

Quantity	Description
1	Request for Service Letter

Audrey Anderson, Project Engineer
Ward, Getz & Associates, PLLC



March 25, 2025

NRG Cedar Bayou LLC
910 Louisiana St, 7th Floor
Houston, TX 77002

SUBJECT: Montgomery Estates, LLC
 Proposed Chambers County MUD No. 4 Wastewater Treatment Plant
 Application for New TPDES Permit

Greetings NRG Cedar Bayou, LLC,

Montgomery Estates, LLC is preparing an application for a new Texas Pollutant Discharge Elimination System (TPDES) wastewater discharge permit. This wastewater treatment facility will serve a proposed subdivision which will consist of an ultimate buildout of 960 single family residences. We are in the process of applying for an authorized flow of 0.06 million gallons per day (MGD) in Phase I. Ultimate Phase III will require a capacity of 0.240 MGD.

We are required to contact all existing TPDES permittees within a three-mile radius of the proposed wastewater treatment facility location to request service to promote regionalization. Your plant, NRG Cedar Bayou 5, is within the three-mile radius. Do you have the capacity and are you willing to provide service for the requested 0.06 MGD? If you do not have the current capacity, but are willing to expand your facility to provide service, will you be able to provide service within the needed time frame? If you are willing to provide service, please provide the estimated costs and service rates in a written response.

Please provide a response indicating if 0.06 MGD of wastewater treatment capacity in your facility is available and, if so, under what terms. A written reply on a copy of this letter will be adequate. You may email your response to aanderson@wga-llp.com. Please feel free to call me at 346-771-5311 if you have any questions.

Thank you for your participation in these efforts.

Sincerely,

A handwritten signature in blue ink, reading "Audrey Anderson", is positioned above a horizontal line.

Audrey Anderson
Project Engineer
Ward, Getz & Associates, LLP



Date of Reply: _____

Does **NRG Cedar Bayou 5 (WQ0005385000)** have the capacity available to accommodate **0.06 MGD** (circle one)? YES or NO

If existing facilities are not adequate, is expansion feasible? YES or NO

If yes to EITHER question, please provide in writing the terms for service.

Name and Title: _____

Signature: _____ Date: _____

LETTER OF TRANSMITTAL



2500 Tanglewilde, Suite 120
Houston, Texas 77063

<input type="checkbox"/> Regular USPS	<input type="checkbox"/> FedEx	<input type="checkbox"/> Courier from WGA	<input type="checkbox"/> End of Day
<input checked="" type="checkbox"/> Certified USPS	<input type="checkbox"/> Overnight	<input type="checkbox"/> Courier to WGA	<input type="checkbox"/> Expedited

Date: 3/25/2025

Project No: 00528-005

To:

NRG Texas Power LLC
910 Louisiana St, 7th Floor
Houston, TX 77002

Attn:

Phone Number:

346-771-5311

Email Address: aanderson@wga-llp.com

Delivery Instructions:

Re: Montgomery Estates, LLC – Request for Service – Application for New TPDES Permit

Quantity	Description
1	Request for Service Letter

Audrey Anderson, Project Engineer
Ward, Getz & Associates, PLLC



March 25, 2025

NRG Texas Power LLC
910 Louisiana St, 7th Floor
Houston, TX 77002

SUBJECT: Montgomery Estates, LLC
 Proposed Chambers County MUD No. 4 Wastewater Treatment Plant
 Application for New TPDES Permit

Greetings NRG Texas Power, LLC,

Montgomery Estates, LLC is preparing an application for a new Texas Pollutant Discharge Elimination System (TPDES) wastewater discharge permit. This wastewater treatment facility will serve a proposed subdivision which will consist of an ultimate buildout of 960 single family residences. We are in the process of applying for an authorized flow of 0.06 million gallons per day (MGD) in Phase I. Ultimate Phase III will require a capacity of 0.240 MGD.

We are required to contact all existing TPDES permittees within a three-mile radius of the proposed wastewater treatment facility location to request service to promote regionalization. Your plant, Cedar Bayou Electric Generating Station is within the three-mile radius. Do you have the capacity and are you willing to provide service for the requested 0.06 MGD? If you do not have the current capacity, but are willing to expand your facility to provide service, will you be able to provide service within the needed time frame? If you are willing to provide service, please provide the estimated costs and service rates in a written response.

Please provide a response indicating if 0.06 MGD of wastewater treatment capacity in your facility is available and, if so, under what terms. A written reply on a copy of this letter will be adequate. You may email your response to aanderson@wga-llp.com. Please feel free to call me at 346-771-5311 if you have any questions.

Thank you for your participation in these efforts.

Sincerely,

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Audrey Anderson
Project Engineer
Ward, Getz & Associates, LLP



Date of Reply: _____

Does **Cedar Bayou Electric Generating Station (WQ0001241000)** have the capacity available to accommodate **0.06 MGD** (circle one)? YES or NO

If existing facilities are not adequate, is expansion feasible? YES or NO

If yes to EITHER question, please provide in writing the terms for service.

Name and Title: _____

Signature: _____ Date: _____

LETTER OF TRANSMITTAL



2500 Tanglewilde, Suite 120
Houston, Texas 77063

<input type="checkbox"/> Regular USPS	<input type="checkbox"/> FedEx	<input type="checkbox"/> Courier from WGA	<input type="checkbox"/> End of Day
<input checked="" type="checkbox"/> Certified USPS	<input type="checkbox"/> Overnight	<input type="checkbox"/> Courier to WGA	<input type="checkbox"/> Expedited

Date: 3/25/2025

Project No: 00528-005

To:

Parkland Development LLC
6420 Hillcroft Street, Suite 218
Houston, TX 77081

Attn:

Phone Number:

346-771-5311

Email Address: aanderson@wga-llp.com

Delivery Instructions:

Re: Montgomery Estates, LLC – Request for Service – Application for New TPDES Permit

Quantity	Description
1	Request for Service Letter

Audrey Anderson, Project Engineer
Ward, Getz & Associates, PLLC



March 25, 2025

Parkland Development LLC
6420 Hillcroft Street, Ste 218
Houston, TX 77081

SUBJECT: Montgomery Estates LLC
 Proposed Chambers County MUD No. 4 Wastewater Treatment Plant
 Application for New TPDES Permit

Greetings Parkland Development LLC,

Montgomery Estates, LLC is preparing an application for a new Texas Pollutant Discharge Elimination System (TPDES) wastewater discharge permit. This wastewater treatment facility will serve a proposed subdivision which will consist of an ultimate buildout of 960 single family residences. We are in the process of applying for an authorized flow of 0.06 million gallons per day (MGD) in Phase I. Ultimate Phase III will require a capacity of 0.240 MGD.

We are required to contact all existing TPDES permittees within a three-mile radius of the proposed wastewater treatment facility location to request service to promote regionalization. Your plant, Oakville Ranch RV Park and Resort – Mont Belvieu WWTP is within the three-mile radius. Do you have the capacity and are you willing to provide service for the requested 0.06 MGD? If you do not have the current capacity, but are willing to expand your facility to provide service, will you be able to provide service within the needed time frame? If you are willing to provide service, please provide the estimated costs and service rates in a written response.

Please provide a response indicating if 0.06 MGD of wastewater treatment capacity in your facility is available and, if so, under what terms. A written reply on a copy of this letter will be adequate. You may email your response to aanderson@wga-llp.com. Please feel free to call me at 346-771-5311 if you have any questions.

Thank you for your participation in these efforts.

Sincerely,

A handwritten signature in blue ink, reading "Audrey Anderson", is positioned above a horizontal line.

Audrey Anderson
Project Engineer
Ward, Getz & Associates, LLP



Date of Reply: _____

Does **Oakville Ranch RV Park and Resort – Mont Belvieu WWTP (WQ0016031001)** have the capacity available to accommodate **0.06 MGD** (circle one)? YES or NO

If existing facilities are not adequate, is expansion feasible? YES or NO

If yes to EITHER question, please provide in writing the terms for service.

Name and Title: _____

Signature: _____ Date: _____

LETTER OF TRANSMITTAL



2500 Tanglewilde, Suite 120
Houston, Texas 77063

<input type="checkbox"/> Regular USPS	<input type="checkbox"/> FedEx	<input type="checkbox"/> Courier from WGA	<input type="checkbox"/> End of Day
<input checked="" type="checkbox"/> Certified USPS	<input type="checkbox"/> Overnight	<input type="checkbox"/> Courier to WGA	<input type="checkbox"/> Expedited

Date: 3/25/2025

Project No: 00528-005

To:

PTX Holdings LLC
1311 Broadfield Boulevard, Suite 100
Houston, TX 77084

Attn:

Phone Number:

346-771-5311

Email Address: aanderson@wga-llp.com

Delivery Instructions:

Re: Montgomery Estates, LLC – Request for Service – Application for New TPDES Permit

Quantity	Description
1	Request for Service Letter

Audrey Anderson, Project Engineer
Ward, Getz & Associates, PLLC



March 25, 2025

PTX Holdings, LLC
Monique Garavito, Division Vice President
1311 Broadfield Boulevard, Ste 100
Houston, TX 77084

SUBJECT: Montgomery Estates, LLC
 Proposed Chambers County MUD No. 4 Wastewater Treatment Plant
 Application for New TPDES Permit

Greetings PTX Holdings, LLC,

Montgomery Estates, LLC is preparing an application for a new Texas Pollutant Discharge Elimination System (TPDES) wastewater discharge permit. This wastewater treatment facility will serve a proposed subdivision which will consist of an ultimate buildout of 960 single family residences. We are in the process of applying for an authorized flow of 0.06 million gallons per day (MGD) in Phase I. Ultimate Phase III will require a capacity of 0.240 MGD.

We are required to contact all existing TPDES permittees within a three-mile radius of the proposed wastewater treatment facility location to request service to promote regionalization. Your plant, Cresswind Cove WWTP is within the three-mile radius. Do you have the capacity and are you willing to provide service for the requested 0.06 MGD? If you do not have the current capacity, but are willing to expand your facility to provide service, will you be able to provide service within the needed time frame? If you are willing to provide service, please provide the estimated costs and service rates in a written response.

Please provide a response indicating if 0.06 MGD of wastewater treatment capacity in your facility is available and, if so, under what terms. A written reply on a copy of this letter will be adequate. You may email your response to aanderson@wga-llp.com. Please feel free to call me at 346-771-5311 if you have any questions.

Thank you for your participation in these efforts.

Sincerely,

A handwritten signature in blue ink, reading "Audrey Anderson", is positioned above a horizontal line.

Audrey Anderson
Project Engineer
Ward, Getz & Associates, LLP



Date of Reply: _____

Does **Cresswind Cove WWTP (WQ0016277001)** have the capacity available to accommodate **0.06 MGD** (circle one)? YES or NO

If existing facilities are not adequate, is expansion feasible? YES or NO

If yes to EITHER question, please provide in writing the terms for service.

Name and Title: _____

Signature: _____ Date: _____

LETTER OF TRANSMITTAL



2500 Tanglewilde, Suite 120

Houston, Texas 77063

<input type="checkbox"/> Regular USPS	<input type="checkbox"/> FedEx	<input type="checkbox"/> Courier from WGA	<input type="checkbox"/> End of Day
<input checked="" type="checkbox"/> Certified USPS	<input type="checkbox"/> Overnight	<input type="checkbox"/> Courier to WGA	<input type="checkbox"/> Expedited

Date: 3/25/2025

Project No: 00528-005

To:

Texas Water Utilities, LP

1620 Grand Avenue Parkway, Suite 140

Pflugerville, TX 78660

Attn:

Phone Number:

346-771-5311

Email Address: aanderson@wga-llp.com

Delivery Instructions:

Re: Montgomery Estates, LLC – Request for Service – Application for New TPDES Permit

Quantity	Description
1	Request for Service Letter

Audrey Anderson, Project Engineer
Ward, Getz & Associates, PLLC



March 25, 2025

Texas Water Utilities, LP
Chuck Barry, Environmental Health and Safety Manager
1620 Grand Avenue Parkway, Ste 140
Pflugerville, TX 78660

SUBJECT: Montgomery Estates, LLC
 Proposed Chambers County MUD No. 4 Wastewater Treatment Plant
 Application for New TPDES Permit

Greetings Texas Water Utilities, LP,

Montgomery Estates, LLC is preparing an application for a new Texas Pollutant Discharge Elimination System (TPDES) wastewater discharge permit. This wastewater treatment facility will serve a proposed subdivision which will consist of an ultimate buildout of 960 single family residences. We are in the process of applying for an authorized flow of 0.06 million gallons per day (MGD) in Phase I. Ultimate Phase III will require a capacity of 0.240 MGD.

We are required to contact all existing TPDES permittees within a three-mile radius of the proposed wastewater treatment facility location to request service to promote regionalization. Your plant, Tower Terrace WWTP is within the three-mile radius. Do you have the capacity and are you willing to provide service for the requested 0.06 MGD? If you do not have the current capacity, but are willing to expand your facility to provide service, will you be able to provide service within the needed time frame? If you are willing to provide service, please provide the estimated costs and service rates in a written response.

Please provide a response indicating if 0.06 MGD of wastewater treatment capacity in your facility is available and, if so, under what terms. A written reply on a copy of this letter will be adequate. You may email your response to aanderson@wga-llp.com. Please feel free to call me at 346-771-5311 if you have any questions.

Thank you for your participation in these efforts.

Sincerely,

A handwritten signature in blue ink, reading "Audrey Anderson", is positioned above a horizontal line.

Audrey Anderson
Project Engineer
Ward, Getz & Associates, LLP



Date of Reply: _____

Does **Tower Terrace WWTP (WQ0012478001)** have the capacity available to accommodate **0.06 MGD** (circle one)? YES or NO

If existing facilities are not adequate, is expansion feasible? YES or NO

If yes to EITHER question, please provide in writing the terms for service.

Name and Title: _____

Signature: _____ Date: _____

LETTER OF TRANSMITTAL



2500 Tanglewilde, Suite 120
Houston, Texas 77063

<input type="checkbox"/> Regular USPS	<input type="checkbox"/> FedEx	<input type="checkbox"/> Courier from WGA	<input type="checkbox"/> End of Day
<input checked="" type="checkbox"/> Certified USPS	<input type="checkbox"/> Overnight	<input type="checkbox"/> Courier to WGA	<input type="checkbox"/> Expedited

Date: 3/25/2025

Project No: 00528-005

To:

Tiki Leasing Company LTD
461 Creekside Drive
League City, TX 77573

Attn:

Phone Number:

346-771-5311

Email Address: aanderson@wga-llp.com

Delivery Instructions:

Re: Montgomery Estates, LLC – Request for Service – Application for New TPDES Permit

Quantity	Description
1	Request for Service Letter

Audrey Anderson, Project Engineer
Ward, Getz & Associates, PLLC



March 25, 2025

Tiki Leasing Company, LTD
Kimberly Carrol, Managing Partner
461 Creekside Drive,
League City, TX 77573

SUBJECT: Montgomery Estates, LLC
 Proposed Chambers County MUD No. 4 Wastewater Treatment Plant
 Application for New TPDES Permit

Greetings Tiki Leasing Company, LTD,

Montgomery Estates, LLC is preparing an application for a new Texas Pollutant Discharge Elimination System (TPDES) wastewater discharge permit. This wastewater treatment facility will serve a proposed subdivision which will consist of an ultimate buildout of 960 single family residences. We are in the process of applying for an authorized flow of 0.06 million gallons per day (MGD) in Phase I. Ultimate Phase III will require a capacity of 0.240 MGD.

We are required to contact all existing TPDES permittees within a three-mile radius of the proposed wastewater treatment facility location to request service to promote regionalization. Your plant, Cotton Bayou Park WWTP is within the three-mile radius. Do you have the capacity and are you willing to provide service for the requested 0.06 MGD? If you do not have the current capacity, but are willing to expand your facility to provide service, will you be able to provide service within the needed time frame? If you are willing to provide service, please provide the estimated costs and service rates in a written response.

Please provide a response indicating if 0.06 MGD of wastewater treatment capacity in your facility is available and, if so, under what terms. A written reply on a copy of this letter will be adequate. You may email your response to aanderson@wga-llp.com. Please feel free to call me at 346-771-5311 if you have any questions.

Thank you for your participation in these efforts.

Sincerely,

A handwritten signature in blue ink, reading "Audrey Anderson", is positioned above a horizontal line.

Audrey Anderson
Project Engineer
Ward, Getz & Associates, LLP



Date of Reply: _____

Does **Cotton Bayou Park WWTP (WQ0011109001)** have the capacity available to accommodate **0.06 MGD** (circle one)? YES or NO

If existing facilities are not adequate, is expansion feasible? YES or NO

If yes to EITHER question, please provide in writing the terms for service.

Name and Title: _____

Signature: _____ Date: _____

LETTER OF TRANSMITTAL



2500 Tanglewilde, Suite 120
Houston, Texas 77063

<input type="checkbox"/> Regular USPS	<input type="checkbox"/> FedEx	<input type="checkbox"/> Courier from WGA	<input type="checkbox"/> End of Day
<input checked="" type="checkbox"/> Certified USPS	<input type="checkbox"/> Overnight	<input type="checkbox"/> Courier to WGA	<input type="checkbox"/> Expedited

Date: 3/25/2025

Project No: 00528-005

To:

Via Bayou LLC
3618 Lakeside Drive
Rockwall, TX 75087

Attn:

Phone Number:

346-771-5311

Email Address: aanderson@wga-llp.com

Delivery Instructions:

Re: Montgomery Estates, LLC – Request for Service – Application for New TPDES Permit

Quantity	Description
1	Request for Service Letter

Audrey Anderson, Project Engineer
Ward, Getz & Associates, PLLC



March 25, 2025

Via Bayou, LLC
Craig Turner, President
3618 Lakeside Drive
Rockwall, TX 75087

SUBJECT: Montgomery Estates, LLC
 Proposed Chambers County MUD No. 4 Wastewater Treatment Plant
 Application for New TPDES Permit

Greetings Via Bayou, LLC,

Montgomery Estates, LLC is preparing an application for a new Texas Pollutant Discharge Elimination System (TPDES) wastewater discharge permit. This wastewater treatment facility will serve a proposed subdivision which will consist of an ultimate buildout of 960 single family residences. We are in the process of applying for an authorized flow of 0.06 million gallons per day (MGD) in Phase I. Ultimate Phase III will require a capacity of 0.240 MGD.

We are required to contact all existing TPDES permittees within a three-mile radius of the proposed wastewater treatment facility location to request service to promote regionalization. Your plant, Houston East RV Resort WWTP is within the three-mile radius. Do you have the capacity and are you willing to provide service for the requested 0.06 MGD? If you do not have the current capacity, but are willing to expand your facility to provide service, will you be able to provide service within the needed time frame? If you are willing to provide service, please provide the estimated costs and service rates in a written response.

Please provide a response indicating if 0.06 MGD of wastewater treatment capacity in your facility is available and, if so, under what terms. A written reply on a copy of this letter will be adequate. You may email your response to aanderson@wga-llp.com. Please feel free to call me at 346-771-5311 if you have any questions.

Thank you for your participation in these efforts.

Sincerely,

A handwritten signature in blue ink, reading "Audrey Anderson", is positioned above a horizontal line.

Audrey Anderson
Project Engineer
Ward, Getz & Associates, LLP



Date of Reply: _____

Does **Houston East RV Resort WWTP (WQ0013033002)** have the capacity available to accommodate **0.06 MGD** (circle one)? YES or NO

If existing facilities are not adequate, is expansion feasible? YES or NO

If yes to EITHER question, please provide in writing the terms for service.

Name and Title: _____

Signature: _____ Date: _____

3-Mile Facility Buffer

WQ0016031-001
PARKLAND
DEVELOPMENT LLC

WQ0013033-002
VIA BAYOU INC.

WQ0015887-001
CHAMBERS COUNTY
IMPROVEMENTS
DISTRICT NO. 3

WQ0016120-001
GOLIVE
ACQUISITIONS LLC

WQ0012478-001
TEXAS WATER
UTILITIES LP

WQ0016305-001
BAYTOWN 99
INDUSTRIAL LP

WQ0015245-001
3180 MAVERICK
INVESTMENTS LLC

WQ0016277-001
PTX HOLDINGS
LLC

WQ0011449-001
AQUA TEXAS INC

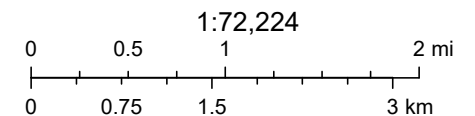
WQ0011109-001
TIKI LEASING COMPANY LTD

WQ0001241-000
NRG TEXAS POWER LLC

WQ0005385-000
NRG CEDAR
BAYOU 5 LLC

2/25/2025, 2:24:12 PM

● Wastewater Outfalls



Earthstar Geographics, TCEQ

Appendix N

Design Calculations



PHASE I - 0.06 MGD

PROJECT NAME: Montgomery Estates WWTP
CLIENT: Montgomery Estates, LLC
PROJECT NUMBER: 00528-005

DATE: 4/8/2025
BY: AA
QC: CT

WASTEWATER AND PLANT CHARACTERIZATION

PHASE I

Flow Rates

Annual Average			0.06 MGD	42 GPM	0.09 CFS
Peak Month	Factor	1.5	0.09 MGD	63 GPM	0.14 CFS
Peak 2-Hour	Factor	4	0.24 MGD	167 GPM	0.37 CFS
Min. Month	Factor	0.5	0.03 MGD	21 GPM	0.05 CFS

Raw Wastewater Concentrations

	Avg.	2-Hour Peak	Peak Month	Min. Month		
BOD (total)	300	100	250	200	mg/L	Assumed
BOD (soluble)	180				mg/L	
TSS	300				mg/L	
VSS	240				mg/L	
TKN	50				mg/L	
NH3-N	40				mg/L	
TP					mg/L	

Effluent Requirements

BOD	10 mg/L
TSS	15 mg/L
NH3-N	3 mg/L
TP	mg/L
DO	mg/L

Select Treatment Processes from the List

Preliminary Treatment	Coarse Screening
Primary Treatment	None
Biological Treatment	Conventional Activated Sludge w/ Nitrification, @ Min.
Solids Treatment	Aerobic Digestion + Dewatering

**ACTIVATED SLUDGE DESIGN****WASTEWATER CHARACTERISTICS**

INFLUENT MASS LOADING		
BOD5 (AVG)	150.1	lbs/day
BOD5 (2-HR PEAK)	200.2	lbs/day
BOD5 (PEAK MONTH)	187.7	lbs/day
BOD5 (MIN MONTH)	50.0	lbs/day
TSS	150.1	lbs/day
NH ₃	20.0	lbs/day
TKN	25.0	lbs/day
EFFLUENT COMPOSITION (ASSUMED FOR CONSERVATIVE DESIGN)		
BOD5	10.0	mg/L
TSS	15.0	mg/L
NH ₃	3.0	mg/L
TKN	0.0	mg/L

AERATION BASIN

Conventional Activated Sludge w/ Nitrification, @ Min. Temp > 15°C		
Description	Value	Unit
AERATION BASIN CALCULATIONS - TCEQ TRADITIONAL DESIGN - TCEQ 217, SUBCHAPTER F		
Aeration Basin Maximum Organic Loading	35.0	lbs/day/1000 ft ³
Minimum Number of Basins (For Flow < 0.4 MGD)	2.0	EA
BOD Removal Credit for Preliminary and Primary Treatment (Optional)	0%	
Total Peak BOD Loading (Based on Design Flow)	150	lbs/day
Total Aeration Basin Volume Required	4,289	ft ³

AERATION BASIN SIZING

Proposed Number of Basins	2.0	
Side Water Depth of Basins	10.3	ft
Freeboard	1.5	ft
Total Depth of Basin	12.0	ft
Diffuser Submergence	9.8	ft
Required Volume of Each Aeration Basin	2,145	ft ³
Surface Area of Each Basin	208	ft ²
Width to Length Ratio (1:X)	2.0	
Required Width of Each Basin	12.0	ft
Required Length of Each Basin	24	ft
Proposed Volume of Each Aeration Basin	2,913	ft ³
Proposed Total Aeration Basin Volume	5,826	ft ³



PHASE I - 0.06 MGD

CLARIFIER

WASTEWATER CHARACTERISTICS

Description	Value	Unit
Influent BOD ₅	300.0	mg/L
Influent TSS	300.0	mg/L
Influent NH ₃	40.0	mg/L
Daily Flow (Q _{AVE})	120,000.0	gpd
Daily Flow (Q _{AVE})	83.3	gpm
Daily Flow (Q _{AVE})	0.186	cfs
2-hr Peak Flow (Q _{PK})	480,000	gpd
2-hr Peak Flow (Q _{PK})	333.3	gpm
2-hr Peak Flow (Q _{PK})	0.744	cfs
NH ₃	40.1	lbs/day
BOD ₅	301.0	lbs/day
TSS	301.0	lbs/day

Description

Conventional Activated Sludge w/ Nitrification, @ Min. Temp > 15°C

SECONDARY CLARIFIER

Description	Value	Unit
Number of Clarifiers	1.0	Ea
Average Flow Per Clarifier	0.12	MGD
Peak Flow Per Clarifier	0.48	MGD
Clarifier Shape (Round, Octagonal, Square)	Round	
Design Weir Shape (Round, Segmented)	Round	
Design Number of Segments (Leave Blank If Designed Round)		

SURFACE AREA DESIGN - TCEQ 217.154 (c)(1)

TCEQ Max Surface Loading (Q _{AVG}) TCEQ 317.4 (d)(5)	700	gal/day/ft ²
TCEQ Max Surface Loading (Q _{PK}) TCEQ 217.154 (c)(1)	1,200	gal/day/ft ²
Design Diameter	26.0	ft
Surface Area Required at Peak Flow Per Clarifier	400.0	ft ²
Surface Area Required for All Clarifiers at Peak Flow	400.0	ft ²
Proposed Surface Area Per Clarifier	530.9	ft ²
Total Proposed Surface Area for All Clarifiers	530.9	ft ²
Actual Design Surface Loading at Design Flow (Q _{AVE})	226.0	gal/day/ft ²
Actual Design Surface Loading at Peak Flow (Q _{PK})	904.1	gal/day/ft ²

SIDE WATER DEPTH - TCEQ 217.152 (g)

Side Water Depth For Clarifier Surface Area Greater Than 300 sqft.	10	ft
Side Water Depth For Clarifier Surface Area Equal To Or Less Than 300 sqft.	8	ft

**CLARIFIER****WASTEWATER CHARACTERISTICS**

Description	Value	Unit
Controlling Minimum Depth Requirement	10.0	ft
Proposed Clarifier Side Water Depth (Not Total Depth)	10.0	ft
Design Floor Slope (1:X)	12.0	
Design Cone Depth (Including 1:12, sloped bottom)	1.1	ft
Free Board (Minimum 1 feet)	1.0	ft
Total Depth of Clarifier	12.083	ft
Design Total Depth of Clarifier	12.5	ft

HYDRAULIC DETENTION TIME - TCEQ 217.154 (c)(1)

TCEQ Min Detention Time (Q_{AVE})	2.6	hours
TCEQ Min Detention Time (Q_{PK})	1.8	hours
Flow per Clarifier for Hydraulic Detention Time @ Design Flow (w/ Recycle)	0.12	MGD
Flow per Clarifier for Hydraulic Detention Time @ Peak Flow (w/ Recycle)	0.48	MGD
Required Treatment Volume At Design Flow for Each Clarifier	1,738.0	ft ³
Required Treatment Volume At Peak Flow for Each Clarifier	4,812.8	ft ³
Proposed Treatment Volume for Each Clarifier	5,309.3	ft ³
Actual Hydraulic Detention Time at Design Flow	7.9	hours
Actual Hydraulic Detention Time at Peak Flow	2.0	hours

SOLIDS LOADING RATE - TCEQ 317.4 (d)(5)

Totals Solids to Clarifier	12,009.6	lbs/day
Proposed Surface Area of Clarifier	530.9	ft ²
Loading Rate of Solids to Clarifier	22.6	lbs/day/ft ²
TCEQ Maximum Loading Rate	50.0	lbs/day/ft ²

EFFLUENT WEIR DESIGN - TCEQ 217.152 (d)

Weir loading (For Plants with Design Flows 1.0 MGD or less)	20,000	gal/day/ft
Weir loading (For Plants with Design Flows Over 1.0 MGD)	30,000	gal/day/ft
Controlling Weir Loading Criteria	20,000.0	gal/day/ft
Total Length of Weir Required Per Clarifier @ Peak Flow	24.0	ft
Total Length of Weir Required For All Clarifiers @ Peak Flow	24.0	ft
Proposed Weir Distance from Wall	1.0	ft
Diameter of Effluent Weir	24.0	ft
Design Weir Length Per Clarifier	75.4	ft
Total Design Weir Length	75.4	ft
Actual Surface Area Loading @ Peak Flow	6,366.2	gal/day/ft ²
Actual Surface Area Loading @ Average Flow	1,591.5	gal/day/ft ²

TORQUE RATINGS OF DRIVES AND RAKES

Resistive Force of Secondary Sludge (W)	6.0	lb/ft
Running Torque (Wr^2)	1,014.0	ft-lbs

**CLARIFIER****WASTEWATER CHARACTERISTICS**

Description	Value	Unit
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RETURN ACTIVATED SLUDGE FLOW RATES - TCEQ 217.152 (j)

Lower Limit Underflow Rate - TCEQ 217.152(j)	200	gpd/ft ²
Minimum RAS Flow Rate (per clarifier)	73.7	gpm
Upper Limit Underflow Rate - TCEQ 217.152(j)	400	gpd/ft ²
Maximum RAS Flow Rate (per clarifier)	147.5	gpm
Combined Upper Limit RAS Underflow Rate for Plant	147.5	gpm

STILLING WELL DESIGN

Maximum Stilling Well Velocity (@ Peak Flow) TCEQ 217.152 (a)(4)	0.15	ft/sec
Peak Flow For Individual Clarifier	0.48	MGD
Total Area Required	5.0	ft ²
Diameter of Each Stilling Well	6.0	ft
Area of Each Stilling Well	28.3	ft ²

**AEROBIC DIGESTER BASIN****TCEQ DESIGN CRITERIA (CHAPTER 317.5 (B))**

Minimum Detention Time	15.0	days
Volume Requirement	20.0	ft ³ /lb BOD ₅ /day
Aeration Requirement	30.0	scfm/1000 ft ³
If Mechanical Aeration is Used	1.5	HP/1000 ft ³

TCEQ DESIGN CRITERIA (CHAPTER 217, SUBCHAPTER J)

Minimum Temperature	15.0	deg C
Required Minimum Detention Time	60.0	days
Minimum Volatile Solids Loading Rate	100.0	lb/1000 ft ³ /day
Maximum Volatile Solids Loading Rate	200.0	lb/1000 ft ³ /day
Aeration Requirement	20.0	SCFM/1000 ft ³

NOTE: Aerobic digester has to be sized for average day flow

Biodegradable Volatile Solids in WAS	0.7	lb VS/BOD removed
Destruction	0.3	lb VS/BOD removed
Note: Typical minimum Solids Retention Time (SRT) maintained in WWTPs is 8 days. Secondary solids production is typically estimated at SRT of 8 days and at 15°C temperature.		
Influent Solids	150	lbs/day
Digested Solids Production	119	lbs/day
Average Digested Solids Production	134	lbs/day
Total Sludge Production, lbs/day	134	lbs/day
Assumed Average Dig. Conc., mg/l	15,000.0	mg/l
Total Sludge to Aerobic Digester	1,074.00	gal/d
Volume Required Based on Min. Detention Time @ 60 Days	8,614.97	ft ³
Volume Required Based on Min. Detention Time @ 15 Days	2,153.74	ft ³

CHECK IF CHAPTER 217 VOLATILE SOLIDS LOADING RATE REQUIREMENTS CAN BE MET

Volatile Suspended Solids Loading	105	lbs/day
Volatile Solids Loading Rate for 60 Days Storage Volume	0.00073	lb/1000 ft ³
Volatile Solids Loading Rate	ERROR!	

Note: It is not possible to meet both the min. required detention time and min. required VS solids loading rate requirements without significant thickening before the sludge is stabilized in the digester. Hence, it is prudent to just meet the required min. detention time alone. Also, if the sludge is to be disposed of in a landfill, sludge stabilization will not be required and a full detention time is not necessary. When a full detention time is not provided, the basin will not be a true aerobic digester; instead, it will be reconfigured as a sludge holding tank.

SLUDGE HOLDING TANK DESIGN		
Number of Basins	2.0	Ea
Freeboard	1.5	ft
Side Water Depth	10.0	ft
Total Required Depth	11.5	ft
Actual Tank Depth	12.0	ft
Width	12.0	ft
Length	18.0	ft
Design Volume	4,320	ft ³
DESIGN CHECK		
Detention Time	30.09	days
Design Volume to Loading Ratio	28.78	ft ³ /lb BOD ₅ /day

**DISINFECTION BASIN****WASTEWATER CHARACTERISTICS**

Design Flow Rate (Average Daily Flow)	0.12	MGD
Design Flow Rate (2-Hour Peak Flow)	0.48	MGD

CHLORINE CONTACT CHAMBER

Description	Value	Unit
TCEQ Min Detention Time (Q_{pk}) (TCEQ217.281(b)(1))	20.0	min
TCEQ Required Minimum Volume	891.3	ft ³
TCEQ Required Minimum Volume	6,666.7	gal

Chlorine Contact Basin Sizing (Excluding Chlorine Mixing Chamber)

Design Number of Trains	1.0	
Design Side Water Depth at Peak Flow	8.5	ft
Design Width of Basin	12.0	ft
Design Channel Width	1.8	ft
Design Channel Length (Assumes 40:1 L:W ratio per TCEQ 217.281(a)(2))	70.0	ft
Number of Partition	8.0	ea
DESIGN LENGTH OF BASIN	15.8	ft
PROPOSED VOLUME	1,041.3	ft ³
ACTUAL CCB VOLUME	1,606.5	ft ³
Actual Detention Time at Peak Flow	36.0	min
ACTUAL CHANNEL LENGTH	108.0	ft



PHASE II - 0.12 MGD

PROJECT NAME: Montgomery Estates WWTP
CLIENT: Montgomery Estates, LLC
PROJECT NUMBER: 00528-005

DATE: 4/8/2025
BY: AA
QC: CT

WASTEWATER AND PLANT CHARACTERIZATION PHASE II

Flow Rates

Annual Average			0.12 MGD	83 GPM	0.19 CFS
Peak Month	Factor	1.5	0.18 MGD	125 GPM	0.28 CFS
Peak 2-Hour	Factor	4	0.48 MGD	333 GPM	0.74 CFS
Min. Month	Factor	0.5	0.06 MGD	42 GPM	0.09 CFS

Raw Wastewater Concentrations

	Avg.	2-Hour Peak	Peak Month	Min. Month		
BOD (total)	300	100	250	200	mg/L	Assumed
BOD (soluble)	180				mg/L	
TSS	300				mg/L	
VSS	240				mg/L	
TKN	50				mg/L	
NH3-N	40				mg/L	
TP					mg/L	

Effluent Requirements

BOD	10 mg/L
TSS	15 mg/L
NH3-N	2 mg/L
TP	mg/L
DO	mg/L

Select Treatment Processes from the List

Preliminary Treatment	Coarse Screening
Primary Treatment	None
Biological Treatment	Conventional Activated Sludge w/ Nitrification, @ Min.
Solids Treatment	Aerobic Digestion + Dewatering

**ACTIVATED SLUDGE DESIGN****WASTEWATER CHARACTERISTICS**

INFLUENT MASS LOADING		
BOD5 (AVG)	300.2	lbs/day
BOD5 (2-HR PEAK)	400.3	lbs/day
BOD5 (PEAK MONTH)	375.3	lbs/day
BOD5 (MIN MONTH)	100.1	lbs/day
TSS	300.2	lbs/day
NH ₃	40.0	lbs/day
TKN	50.0	lbs/day
EFFLUENT COMPOSITION (ASSUMED FOR CONSERVATIVE DESIGN)		
BOD5	10.0	mg/L
TSS	15.0	mg/L
NH ₃	3.0	mg/L
TKN	0.0	mg/L

AERATION BASIN

Conventional Activated Sludge w/ Nitrification, @ Min. Temp > 15°C		
Description	Value	Unit
AERATION BASIN CALCULATIONS - TCEQ TRADITIONAL DESIGN - TCEQ 217, SUBCHAPTER F		
Aeration Basin Maximum Organic Loading	35.0	lbs/day/1000 ft ³
Minimum Number of Basins (For Flow < 0.4 MGD)	2.0	EA
BOD Removal Credit for Preliminary and Primary Treatment (Optional)	0%	
Total Peak BOD Loading (Based on Design Flow)	300	lbs/day
Total Aeration Basin Volume Required	8,578	ft ³

AERATION BASIN SIZING

Proposed Number of Basins	3.0	
Side Water Depth of Basins	10.3	ft
Freeboard	1.5	ft
Total Depth of Basin	12.0	ft
Diffuser Submergence	9.8	ft
Required Volume of Each Aeration Basin	2,859	ft ³
Surface Area of Each Basin	277	ft ²
Width to Length Ratio (1:X)	2.0	
Required Width of Each Basin	12.0	ft
Required Length of Each Basin	24	ft
Proposed Volume of Each Aeration Basin	2,913	ft ³
Proposed Total Aeration Basin Volume	8,739	ft ³



PHASE II - 0.12 MGD

CLARIFIER

WASTEWATER CHARACTERISTICS

Description	Value	Unit
Influent BOD ₅	300.0	mg/L
Influent TSS	300.0	mg/L
Influent NH ₃	40.0	mg/L
Daily Flow (Q _{AVE})	240,000.0	gpd
Daily Flow (Q _{AVE})	166.7	gpm
Daily Flow (Q _{AVE})	0.372	cfs
2-hr Peak Flow (Q _{PK})	960,000	gpd
2-hr Peak Flow (Q _{PK})	666.7	gpm
2-hr Peak Flow (Q _{PK})	1.488	cfs
NH ₃	80.3	lbs/day
BOD ₅	601.9	lbs/day
TSS	601.9	lbs/day

Description

Conventional Activated Sludge w/ Nitrification, @ Min. Temp > 15°C

SECONDARY CLARIFIER

Description	Value	Unit
Number of Clarifiers	1.0	Ea
Average Flow Per Clarifier	0.12	MGD
Peak Flow Per Clarifier	0.48	MGD
Clarifier Shape (Round, Octagonal, Square)	Round	
Design Weir Shape (Round, Segmented)	Round	
Design Number of Segments (Leave Blank If Designed Round)		

SURFACE AREA DESIGN - TCEQ 217.154 (c)(1)

TCEQ Max Surface Loading (Q _{AVG}) TCEQ 317.4 (d)(5)	700	gal/day/ft ²
TCEQ Max Surface Loading (Q _{PK}) TCEQ 217.154 (c)(1)	1,200	gal/day/ft ²
Design Diameter	26.0	ft
Surface Area Required at Peak Flow Per Clarifier	400.0	ft ²
Surface Area Required for All Clarifiers at Peak Flow	400.0	ft ²
Proposed Surface Area Per Clarifier	530.9	ft ²
Total Proposed Surface Area for All Clarifiers	530.9	ft ²
Actual Design Surface Loading at Design Flow (Q _{AVE})	226.0	gal/day/ft ²
Actual Design Surface Loading at Peak Flow (Q _{PK})	904.1	gal/day/ft ²

SIDE WATER DEPTH - TCEQ 217.152 (g)

Side Water Depth For Clarifier Surface Area Greater Than 300 sqft.	10	ft
Side Water Depth For Clarifier Surface Area Equal To Or Less Than 300 sqft.	8	ft



PHASE II - 0.12 MGD

CLARIFIER

WASTEWATER CHARACTERISTICS

Description	Value	Unit
Controlling Minimum Depth Requirement	10.0	ft
Proposed Clarifier Side Water Depth (Not Total Depth)	10.0	ft
Design Floor Slope (1:X)	12.0	
Design Cone Depth (Including 1:12, sloped bottom)	1.1	ft
Free Board (Minimum 1 feet)	1.0	ft
Total Depth of Clarifier	12.083	ft
Design Total Depth of Clarifier	12.5	ft

HYDRAULIC DETENTION TIME - TCEQ 217.154 (c)(1)

TCEQ Min Detention Time (Q_{AVE})	2.6	hours
TCEQ Min Detention Time (Q_{PK})	1.8	hours
Flow per Clarifier for Hydraulic Detention Time @ Design Flow (w/ Recycle)	0.12	MGD
Flow per Clarifier for Hydraulic Detention Time @ Peak Flow (w/ Recycle)	0.48	MGD
Required Treatment Volume At Design Flow for Each Clarifier	1,738.0	ft ³
Required Treatment Volume At Peak Flow for Each Clarifier	4,812.8	ft ³
Proposed Treatment Volume for Each Clarifier	5,309.3	ft ³
Actual Hydraulic Detention Time at Design Flow	7.9	hours
Actual Hydraulic Detention Time at Peak Flow	2.0	hours

SOLIDS LOADING RATE - TCEQ 317.4 (d)(5)

Totals Solids to Clarifier	12,009.6	lbs/day
Proposed Surface Area of Clarifier	530.9	ft ²
Loading Rate of Solids to Clarifier	22.6	lbs/day/ft ²
TCEQ Maximum Loading Rate	50.0	lbs/day/ft ²

EFFLUENT WEIR DESIGN - TCEQ 217.152 (d)

Weir loading (For Plants with Design Flows 1.0 MGD or less)	20,000	gal/day/ft
Weir loading (For Plants with Design Flows Over 1.0 MGD)	30,000	gal/day/ft
Controlling Weir Loading Criteria	20,000.0	gal/day/ft
Total Length of Weir Required Per Clarifier @ Peak Flow	24.0	ft
Total Length of Weir Required For All Clarifiers @ Peak Flow	24.0	ft
Proposed Weir Distance from Wall	1.0	ft
Diameter of Effluent Weir	24.0	ft
Design Weir Length Per Clarifier	75.4	ft
Total Design Weir Length	75.4	ft
Actual Surface Area Loading @ Peak Flow	6,366.2	gal/day/ft ²
Actual Surface Area Loading @ Average Flow	1,591.5	gal/day/ft ²

TORQUE RATINGS OF DRIVES AND RAKES

Resistive Force of Secondary Sludge (W)	6.0	lb/ft
Running Torque (Wr^2)	1,014.0	ft-lbs

**CLARIFIER****WASTEWATER CHARACTERISTICS**

Description	Value	Unit
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RETURN ACTIVATED SLUDGE FLOW RATES - TCEQ 217.152 (j)

Lower Limit Underflow Rate - TCEQ 217.152(j)	200	gpd/ft ²
Minimum RAS Flow Rate (per clarifier)	73.7	gpm
Upper Limit Underflow Rate - TCEQ 217.152(j)	400	gpd/ft ²
Maximum RAS Flow Rate (per clarifier)	147.5	gpm
Combined Upper Limit RAS Underflow Rate for Plant	147.5	gpm

STILLING WELL DESIGN

Maximum Stilling Well Velocity (@ Peak Flow) TCEQ 217.152 (a)(4)	0.15	ft/sec
Peak Flow For Individual Clarifier	0.48	MGD
Total Area Required	5.0	ft ²
Diameter of Each Stilling Well	6.0	ft
Area of Each Stilling Well	28.3	ft ²

**AEROBIC DIGESTER BASIN****TCEQ DESIGN CRITERIA (CHAPTER 317.5 (B))**

Minimum Detention Time	15.0	days
Volume Requirement	20.0	ft ³ /lb BOD ₅ /day
Aeration Requirement	30.0	scfm/1000 ft ³
If Mechanical Aeration is Used	1.5	HP/1000 ft ³

TCEQ DESIGN CRITERIA (CHAPTER 217, SUBCHAPTER J)

Minimum Temperature	15.0	deg C
Required Minimum Detention Time	60.0	days
Minimum Volatile Solids Loading Rate	100.0	lb/1000 ft ³ /day
Maximum Volatile Solids Loading Rate	200.0	lb/1000 ft ³ /day
Aeration Requirement	20.0	SCFM/1000 ft ³

NOTE: Aerobic digester has to be sized for average day flow

Biodegradable Volatile Solids in WAS	0.7	lb VS/BOD removed
Destruction	0.3	lb VS/BOD removed

Note: Typical minimum Solids Retention Time (SRT) maintained in WWTPs is 8 days. Secondary solids production is typically estimated at SRT of 8 days and at 15°C temperature.

Influent Solids	300	lbs/day
Digested Solids Production	237	lbs/day
Average Digested Solids Production	269	lbs/day
Total Sludge Production, lbs/day	269	lbs/day
Assumed Average Dig. Conc., mg/l	15,000.0	mg/l
Total Sludge to Aerobic Digester	2,148.00	gal/d
Volume Required Based on Min. Detention Time @ 60 Days	17,229.95	ft ³
Volume Required Based on Min. Detention Time @ 15 Days	4,307.49	ft ³

CHECK IF CHAPTER 217 VOLATILE SOLIDS LOADING RATE REQUIREMENTS CAN BE MET

Volatile Suspended Solids Loading	210	lbs/day
Volatile Solids Loading Rate for 60 Days Storage Volume	0.00073	lb/1000 ft ³
Volatile Solids Loading Rate	ERROR!	

Note: It is not possible to meet both the min. required detention time and min. required VS solids loading rate requirements without significant thickening before the sludge is stabilized in the digester. Hence, it is prudent to just meet the required min. detention time alone. Also, if the sludge is to be disposed of in a landfill, sludge stabilization will not be required and a full detention time is not necessary. When a full detention time is not provided, the basin will not be a true aerobic digester; instead, it will be reconfigured as a sludge holding tank.

SLUDGE HOLDING TANK DESIGN		
Number of Basins	3.0	Ea
Freeboard	1.5	ft
Side Water Depth	10.0	ft
Total Required Depth	11.5	ft
Actual Tank Depth	12.0	ft
Width	12.0	ft
Length	18.0	ft
Design Volume	6,480	ft ³
DESIGN CHECK		
Detention Time	22.57	days
Design Volume to Loading Ratio	21.58	ft ³ /lb BOD ₅ /day

**DISINFECTION BASIN****WASTEWATER CHARACTERISTICS**

Design Flow Rate (Average Daily Flow)	0.12	MGD
Design Flow Rate (2-Hour Peak Flow)	0.48	MGD

CHLORINE CONTACT CHAMBER

Description	Value	Unit
TCEQ Min Detention Time (Q_{PK}) (TCEQ217.281(b)(1))	20.0	min
TCEQ Required Minimum Volume	891.3	ft ³
TCEQ Required Minimum Volume	6,666.7	gal

Chlorine Contact Basin Sizing (Excluding Chlorine Mixing Chamber)

Design Number of Trains	1.0	
Design Side Water Depth at Peak Flow	8.5	ft
Design Width of Basin	12.0	ft
Design Channel Width	1.8	ft
Design Channel Length (Assumes 40:1 L:W ratio per TCEQ 217.281(a)(2))	70.0	ft
Number of Partition	8.0	ea
DESIGN LENGTH OF BASIN	15.8	ft
PROPOSED VOLUME	1,041.3	ft ³
ACTUAL CCB VOLUME	1,606.5	ft ³
Actual Detention Time at Peak Flow	36.0	min
ACTUAL CHANNEL LENGTH	108.0	ft



PHASE III - 0.24 MGD

PROJECT NAME: Montgomery Estates WWTP
CLIENT: Montgomery Estates, LLC
PROJECT NUMBER: 00528-005

DATE: 4/8/2025
BY: AA
QC: CT

WASTEWATER AND PLANT CHARACTERIZATION

PHASE III

Flow Rates

Annual Average			0.24 MGD	167 GPM	0.37 CFS
Peak Month	Factor	1.5	0.36 MGD	250 GPM	0.56 CFS
Peak 2-Hour	Factor	4	0.96 MGD	667 GPM	1.49 CFS
Min. Month	Factor	0.5	0.12 MGD	83 GPM	0.19 CFS

Raw Wastewater Concentrations

	Avg.	2-Hour Peak	Peak Month	Min. Month		
BOD (total)	300	100	250	200	mg/L	Assumed
BOD (soluble)	180				mg/L	
TSS	300				mg/L	
VSS	240				mg/L	
TKN	50				mg/L	
NH3-N	40				mg/L	
TP					mg/L	

Effluent Requirements

BOD	10 mg/L
TSS	15 mg/L
NH3-N	2 mg/L
TP	mg/L
DO	mg/L

Select Treatment Processes from the List

Preliminary Treatment	Coarse Screening
Primary Treatment	None
Biological Treatment	Conventional Activated Sludge w/ Nitrification, @ Min.
Solids Treatment	Aerobic Digestion + Dewatering

**ACTIVATED SLUDGE DESIGN****WASTEWATER CHARACTERISTICS**

INFLUENT MASS LOADING		
BOD5 (AVG)	600.5	lbs/day
BOD5 (2-HR PEAK)	800.6	lbs/day
BOD5 (PEAK MONTH)	750.6	lbs/day
BOD5 (MIN MONTH)	200.2	lbs/day
TSS	600.5	lbs/day
NH ₃	80.1	lbs/day
TKN	100.1	lbs/day
EFFLUENT COMPOSITION (ASSUMED FOR CONSERVATIVE DESIGN)		
BOD5	10.0	mg/L
TSS	15.0	mg/L
NH ₃	3.0	mg/L
TKN	0.0	mg/L

AERATION BASIN

Conventional Activated Sludge w/ Nitrification, @ Min. Temp > 15°C		
Description	Value	Unit
AERATION BASIN CALCULATIONS - TCEQ TRADITIONAL DESIGN - TCEQ 217, SUBCHAPTER F		
Aeration Basin Maximum Organic Loading	35.0	lbs/day/1000 ft ³
Minimum Number of Basins (For Flow < 0.4 MGD)	2.0	EA
BOD Removal Credit for Preliminary and Primary Treatment (Optional)	0%	
Total Peak BOD Loading (Based on Design Flow)	600	lbs/day
Total Aeration Basin Volume Required	17,157	ft ³

AERATION BASIN SIZING

Proposed Number of Basins	6.0	
Side Water Depth of Basins	10.3	ft
Freeboard	1.5	ft
Total Depth of Basin	12.0	ft
Diffuser Submergence	9.8	ft
Required Volume of Each Aeration Basin	2,859	ft ³
Surface Area of Each Basin	277	ft ²
Width to Length Ratio (1:X)	2.0	
Required Width of Each Basin	12.0	ft
Required Length of Each Basin	24	ft
Proposed Volume of Each Aeration Basin	2,913	ft ³
Proposed Total Aeration Basin Volume	17,478	ft ³

**CLARIFIER****WASTEWATER CHARACTERISTICS**

Description	Value	Unit
Influent BOD ₅	300.0	mg/L
Influent TSS	300.0	mg/L
Influent NH ₃	40.0	mg/L
Daily Flow (Q _{AVE})	480,000.0	gpd
Daily Flow (Q _{AVE})	333.3	gpm
Daily Flow (Q _{AVE})	0.744	cfs
2-hr Peak Flow (Q _{PK})	1,920,000	gpd
2-hr Peak Flow (Q _{PK})	1,333.3	gpm
2-hr Peak Flow (Q _{PK})	2.976	cfs
NH ₃	160.5	lbs/day
BOD ₅	1,203.8	lbs/day
TSS	1,203.8	lbs/day

Description

Conventional Activated Sludge w/ Nitrification, @ Min. Temp > 15°C

SECONDARY CLARIFIER

Description	Value	Unit
Number of Clarifiers	2.0	Ea
Average Flow Per Clarifier	0.12	MGD
Peak Flow Per Clarifier	0.48	MGD
Clarifier Shape (Round, Octagonal, Square)	Round	
Design Weir Shape (Round, Segmented)	Round	
Design Number of Segments (Leave Blank If Designed Round)		

SURFACE AREA DESIGN - TCEQ 217.154 (c)(1)

TCEQ Max Surface Loading (Q _{AVG}) TCEQ 317.4 (d)(5)	700	gal/day/ft ²
TCEQ Max Surface Loading (Q _{PK}) TCEQ 217.154 (c)(1)	1,200	gal/day/ft ²
Design Diameter	26.0	ft
Surface Area Required at Peak Flow Per Clarifier	400.0	ft ²
Surface Area Required for All Clarifiers at Peak Flow	800.0	ft ²
Proposed Surface Area Per Clarifier	530.9	ft ²
Total Proposed Surface Area for All Clarifiers	1,061.9	ft ²
Actual Design Surface Loading at Design Flow (Q _{AVE})	226.0	gal/day/ft ²
Actual Design Surface Loading at Peak Flow (Q _{PK})	904.1	gal/day/ft ²

SIDE WATER DEPTH - TCEQ 217.152 (g)

Side Water Depth For Clarifier Surface Area Greater Than 300 sqft.	10	ft
Side Water Depth For Clarifier Surface Area Equal To Or Less Than 300 sqft.	8	ft

**CLARIFIER****WASTEWATER CHARACTERISTICS**

Description	Value	Unit
Controlling Minimum Depth Requirement	10.0	ft
Proposed Clarifier Side Water Depth (Not Total Depth)	10.0	ft
Design Floor Slope (1:X)	12.0	
Design Cone Depth (Including 1:12, sloped bottom)	1.1	ft
Free Board (Minimum 1 feet)	1.0	ft
Total Depth of Clarifier	12.083	ft
Design Total Depth of Clarifier	12.5	ft

HYDRAULIC DETENTION TIME - TCEQ 217.154 (c)(1)

TCEQ Min Detention Time (Q_{AVE})	2.6	hours
TCEQ Min Detention Time (Q_{PK})	1.8	hours
Flow per Clarifier for Hydraulic Detention Time @ Design Flow (w/ Recycle)	0.12	MGD
Flow per Clarifier for Hydraulic Detention Time @ Peak Flow (w/ Recycle)	0.48	MGD
Required Treatment Volume At Design Flow for Each Clarifier	1,738.0	ft ³
Required Treatment Volume At Peak Flow for Each Clarifier	4,812.8	ft ³
Proposed Treatment Volume for Each Clarifier	5,309.3	ft ³
Actual Hydraulic Detention Time at Design Flow	7.9	hours
Actual Hydraulic Detention Time at Peak Flow	2.0	hours

SOLIDS LOADING RATE - TCEQ 317.4 (d)(5)

Totals Solids to Clarifier	12,009.6	lbs/day
Proposed Surface Area of Clarifier	530.9	ft ²
Loading Rate of Solids to Clarifier	22.6	lbs/day/ft ²
TCEQ Maximum Loading Rate	50.0	lbs/day/ft ²

EFFLUENT WEIR DESIGN - TCEQ 217.152 (d)

Weir loading (For Plants with Design Flows 1.0 MGD or less)	20,000	gal/day/ft
Weir loading (For Plants with Design Flows Over 1.0 MGD)	30,000	gal/day/ft
Controlling Weir Loading Criteria	20,000.0	gal/day/ft
Total Length of Weir Required Per Clarifier @ Peak Flow	24.0	ft
Total Length of Weir Required For All Clarifiers @ Peak Flow	48.0	ft
Proposed Weir Distance from Wall	1.0	ft
Diameter of Effluent Weir	24.0	ft
Design Weir Length Per Clarifier	75.4	ft
Total Design Weir Length	150.8	ft
Actual Surface Area Loading @ Peak Flow	6,366.2	gal/day/ft ²
Actual Surface Area Loading @ Average Flow	1,591.5	gal/day/ft ²

TORQUE RATINGS OF DRIVES AND RAKES

Resistive Force of Secondary Sludge (W)	6.0	lb/ft
Running Torque ($W r^2$)	1,014.0	ft-lbs

**CLARIFIER****WASTEWATER CHARACTERISTICS**

Description	Value	Unit
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RETURN ACTIVATED SLUDGE FLOW RATES - TCEQ 217.152 (j)

Lower Limit Underflow Rate - TCEQ 217.152(j)	200	gpd/ft ²
Minimum RAS Flow Rate (per clarifier)	73.7	gpm
Upper Limit Underflow Rate - TCEQ 217.152(j)	400	gpd/ft ²
Maximum RAS Flow Rate (per clarifier)	147.5	gpm
Combined Upper Limit RAS Underflow Rate for Plant	295.0	gpm

STILLING WELL DESIGN

Maximum Stilling Well Velocity (@ Peak Flow) TCEQ 217.152 (a)(4)	0.15	ft/sec
Peak Flow For Individual Clarifier	0.48	MGD
Total Area Required	5.0	ft ²
Diameter of Each Stilling Well	6.0	ft
Area of Each Stilling Well	28.3	ft ²

**AEROBIC DIGESTER BASIN****TCEQ DESIGN CRITERIA (CHAPTER 317.5 (B))**

Minimum Detention Time	15.0	days
Volume Requirement	20.0	ft ³ /lb BOD ₅ /day
Aeration Requirement	30.0	scfm/1000 ft ³
If Mechanical Aeration is Used	1.5	HP/1000 ft ³

TCEQ DESIGN CRITERIA (CHAPTER 217, SUBCHAPTER J)

Minimum Temperature	15.0	deg C
Required Minimum Detention Time	60.0	days
Minimum Volatile Solids Loading Rate	100.0	lb/1000 ft ³ /day
Maximum Volatile Solids Loading Rate	200.0	lb/1000 ft ³ /day
Aeration Requirement	20.0	SCFM/1000 ft ³

NOTE: Aerobic digester has to be sized for average day flow

Biodegradable Volatile Solids in WAS	0.7	lb VS/BOD removed
Destruction	0.3	lb VS/BOD removed

Note: Typical minimum Solids Retention Time (SRT) maintained in WWTPs is 8 days. Secondary solids production is typically estimated at SRT of 8 days and at 15°C temperature.

Influent Solids	600	lbs/day
Digested Solids Production	474	lbs/day
Average Digested Solids Production	537	lbs/day
Total Sludge Production, lbs/day	537	lbs/day
Assumed Average Dig. Conc., mg/l	15,000.0	mg/l
Total Sludge to Aerobic Digester	4,296.00	gal/d
Volume Required Based on Min. Detention Time @ 60 Days	34,459.89	ft ³
Volume Required Based on Min. Detention Time @ 15 Days	8,614.97	ft ³

CHECK IF CHAPTER 217 VOLATILE SOLIDS LOADING RATE REQUIREMENTS CAN BE MET

Volatile Suspended Solids Loading	420	lbs/day
Volatile Solids Loading Rate for 60 Days Storage Volume	0.00073	lb/1000 ft ³
Volatile Solids Loading Rate	ERROR!	

Note: It is not possible to meet both the min. required detention time and min. required VS solids loading rate requirements without significant thickening before the sludge is stabilized in the digester. Hence, it is prudent to just meet the required min. detention time alone. Also, if the sludge is to be disposed of in a landfill, sludge stabilization will not be required and a full detention time is not necessary. When a full detention time is not provided, the basin will not be a true aerobic digester; instead, it will be reconfigured as a sludge holding tank.

SLUDGE HOLDING TANK DESIGN

Number of Basins	6.0	Ea
Freeboard	1.5	ft
Side Water Depth	10.0	ft
Total Required Depth	11.5	ft
Actual Tank Depth	12.0	ft
Width	12.0	ft
Length	18.0	ft
Design Volume	12,960	ft ³
DESIGN CHECK		
Detention Time	22.57	days
Design Volume to Loading Ratio	21.58	ft ³ /lb BOD ₅ /day

**DISINFECTION BASIN****WASTEWATER CHARACTERISTICS**

Design Flow Rate (Average Daily Flow)	0.24	MGD
Design Flow Rate (2-Hour Peak Flow)	0.96	MGD

CHLORINE CONTACT CHAMBER

Description	Value	Unit
TCEQ Min Detention Time (Q_{PK}) (TCEQ217.281(b)(1))	20.0	min
TCEQ Required Minimum Volume	1,782.5	ft ³
TCEQ Required Minimum Volume	13,333.3	gal

Chlorine Contact Basin Sizing (Excluding Chlorine Mixing Chamber)

Design Number of Trains	2.0	
Design Side Water Depth at Peak Flow	9.5	ft
Design Width of Basin	12.0	ft
Design Channel Width	1.75	ft
Design Channel Length (Assumes 40:1 L:W ratio per TCEQ 217.281(a)(2))	70.0	ft
Number of Partition	8.0	ea
DESIGN LENGTH OF BASIN	15.75	ft
PROPOSED VOLUME	2,327.5	ft ³
ACTUAL CCB VOLUME	3,591.0	ft ³
Actual Detention Time at Peak Flow	40.3	min
ACTUAL CHANNEL LENGTH	108.0	ft

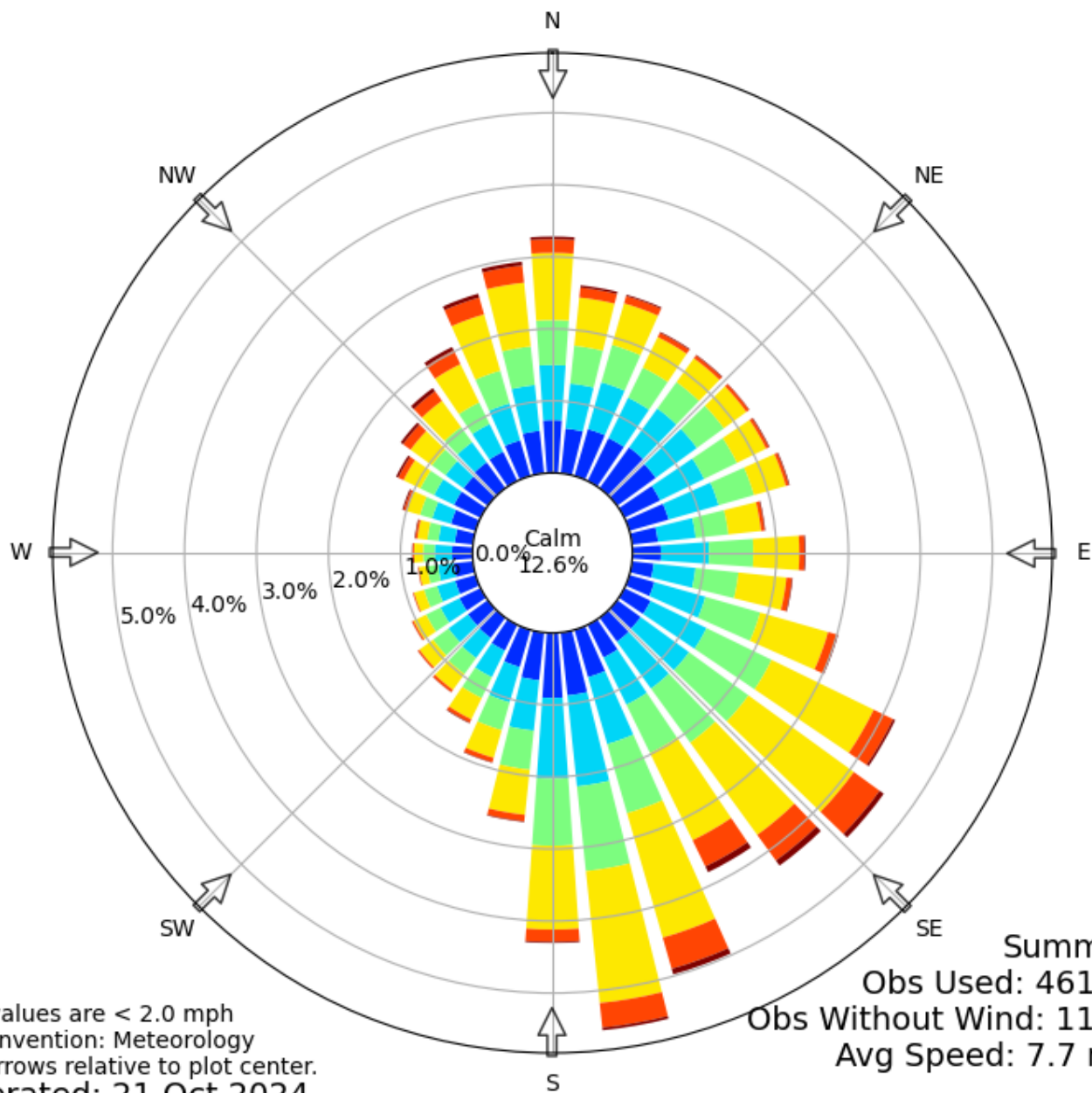
Appendix O

Wind Rose

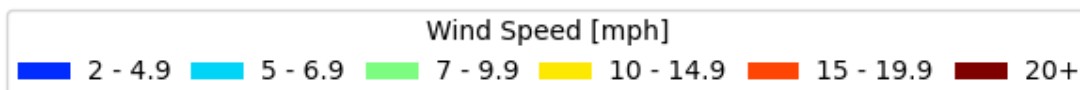


Windrose Plot for [IAH] Houston Intercontinental

Obs Between: 01 Jan 1970 03:00 AM - 21 Oct 2024 03:53 AM America/Chicago



Calm values are < 2.0 mph
Bar Convention: Meteorology
Flow arrows relative to plot center.
Generated: 21 Oct 2024



Appendix P

Solids Management Plan



PROJECT NAME: Montgomery Estates WWTP
WGA PROJECT NO: 00528-005

SLUDGE MANAGEMENT PLAN PH I - 0.06 MGD

I.PARAMETERS

% CAPACITIES	100%	75%	50%	25%
AVG. FLOW (MGD)	0.060	0.045	0.0225	0.006

CBOD₅ REMOVAL

Influent Concentration	300	mg/l
Effluent Concentration	0	mg/l
Net Removal	300	mg/l

DIGESTER VOLUME

	Vol. (cu. ft.)	Vol. (Gal)
Digester No. 1	2,160	16,157
Digester No. 2	2,160	16,157
Total	4,320	32,314

II. DAILY SLUDGE PRODUCTIONS

CAPACITY	100%	75%	50%	25%
BOD REMOVED (LBS)	150	113	75	38
DRY SLUDGE PRODUCED⁽¹⁾ (LBS)	47	35	24	12
WET SLUDGE PRODUCED⁽²⁾(LBS)	2,364	1,773	1,182	591
VOL WET SLUDGE PRODUCED (GPD)	284	213	142	71
REMOVAL SCHEDULE (DAYS)	113	151	227	455

(1) Assuming 0.315 lbs of dry sludge produced per pound of BOD₅ removed

(2) Assuming 2% Solids

Sludge will be removed from digester when digester is full of thickened solids.
Sludge will be removed by a registered transporter and hauled to a permitted disposal site.

**At 100% Capacity, sludge shall be removed from basins
every 113 days**



PROJECT NAME: Montgomery Estates WWTP
WGA PROJECT NO: 00528-005

SLUDGE MANAGEMENT PLAN PH II - 0.12 MGD

I.PARAMETERS

% CAPACITIES	100%	75%	50%	25%
AVG. FLOW (MGD)	0.120	0.09	0.045	0.011

CBOD₅ REMOVAL

Influent Concentration	300	mg/l
Effluent Concentration	0	mg/l
Net Removal	300	mg/l

DIGESTER VOLUME

	Vol. (cu. ft.)	Vol. (Gal)
Digester No. 1	2,160	16,157
Digester No. 2	2,160	16,157
Digester No. 3	2,160	16,157
Total	6,480	48,470

II. DAILY SLUDGE PRODUCTIONS

CAPACITY	100%	75%	50%	25%
BOD REMOVED (LBS)	300	225	150	75
DRY SLUDGE PRODUCED⁽¹⁾ (LBS)	95	71	47	24
WET SLUDGE PRODUCED⁽²⁾(LBS)	4,729	3,547	2,364	1,182
VOL WET SLUDGE PRODUCED (GPD)	567	425	284	142
REMOVAL SCHEDULE (DAYS)	85	113	170	341

(1) Assuming 0.315 lbs of dry sludge produced per pound of BOD₅ removed

(2) Assuming 2% Solids

Sludge will be removed from digester when digester is full of thickened solids.
Sludge will be removed by a registered transporter and hauled to a permitted disposal site.

**At 100% Capacity, sludge shall be removed from
basins every 85 days**



PROJECT NAME: Montgomery Estates WWTP
WGA PROJECT NO: 00528-005

SLUDGE MANAGEMENT PLAN PH III - 0.24 MGD

I.PARAMETERS

% CAPACITIES	100%	75%	50%	25%
AVG. FLOW (MGD)	0.240	0.18	0.09	0.023

CBOD₅ REMOVAL

Influent Concentration	300	mg/l
Effluent Concentration	0	mg/l
Net Removal	300	mg/l

DIGESTER VOLUME

	Vol. (cu. ft.)	Vol. (Gal)
Digester No. 1	2,160	16,157
Digester No. 2	2,160	16,157
Digester No. 3	2,160	16,157
Digester No. 4	2,160	16,157
Digester No. 5	2,160	16,157
Digester No. 6	2,160	16,157
Total	12,960	96,941

II. DAILY SLUDGE PRODUCTIONS

CAPACITY	100%	75%	50%	25%
BOD REMOVED (LBS)	600	450	300	150
DRY SLUDGE PRODUCED ⁽¹⁾ (LBS)	189	142	95	47
WET SLUDGE PRODUCED ⁽²⁾ (LBS)	9,458	7,093	4,729	2,364
VOL WET SLUDGE PRODUCED (GPD)	1134	851	567	284
REMOVAL SCHEDULE (DAYS)	85	113	170	341

(1) Assuming 0.315 lbs of dry sludge produced per pound of BOD₅ removed

(2) Assuming 2% Solids

Sludge will be removed from digester when digester is full of thickened solids.
Sludge will be removed by a registered transporter and hauled to a permitted disposal site.

**At 100% Capacity, sludge shall be removed from basins
every 85 days**