Administrative Package Cover Page

This file contains the following documents:

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

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

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS INDUSTRIAL 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.

USM Manufacturing LLC (CN604061739) operates Praters Foods (RN101254803), a frozen food processing facility. The facility is located at 2206 114th Street, in Lubbock, Lubbock County, Texas 79423. This permit renewal without changes will authorize the disposal of wastewater generated from cleanup and sanitation of frozen food to an adjacent land application site for irrigation on 30 acres of native grasses. The wastewater is treated through a settling box, where it is screened and solids removed, then routed to two mechanical aeration ponds with a combined surface area of 0.31 acre and combined storage capacity of 2.5 acre-feet. Annual average flow will not exceed 22,000 gallons per day. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain food oil and grease (20 mg/L daily maximum). Food processing wastewater is treated by solids setting and screening, mechanical aeration, and microbial digestion prior to land application.

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

AGUAS RESIDUALES INDUSTRIALES /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.

USM Manufacturing LLC (CN604061739) opera Praters Foods RN101254803, un instalacion de procesamiento de alimentos congelados. La instalación está ubicada en 2206 114th Street, en Lubbock, Condado de Lubbock, Texas 79423. Esta renovación del permiso sin modificaciones autorizará la disposición de aguas residuales generadas por la limpieza y el saneamiento de alimentos congelados en un sitio adyacente de aplicación en tierra para riego en 30 acres de pastos nativos. Las aguas residuales se tratan a través de una caja de sedimentación, donde se filtran y se eliminan los sólidos, y luego se envían a dos estanques de aireación mecánica con una superficie combinada de 0,31 acres y una capacidad de almacenamiento combinada de 2,5 acres-pies. El flujo promedio anual no superará los 22,000 galones por día. Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan aceite y grasa de origen alimentario (máximo diario de 20 mg/l).. Las aguas residuales del procesamiento de alimentos. 16. Elija del menú desplegable tratado por sedimentación y cribado de sólidos, aireación mecánica y digestión microbiana antes de su aplicación en el suelo..

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0004440000

APPLICATION. USM Manufacturing L.L.C., 2206 114th Street, Lubbock, Texas 79423, which owns a frozen food processing facility, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0004440000 to authorize the disposal of treated wastewater at a volume not to exceed an annual average flow of 22,000 gallons per day via irrigation of 30 acres. The facility and disposal area are located at 2206 114th Street, in the city of Lubbock, in Lubbock County, Texas, 79423. TCEQ received this application on February 27, 2025. The permit application will be available for viewing and copying at Mahon Public Library, Public Records, 1306 9th Street, Lubbock, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-101.864166,33.4925&level=18

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

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

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

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

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

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

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

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

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

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

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

Further information may also be obtained from USM Manufacturing L.L.C. at the address stated above or by calling Mr. Keven Simpson, Maintenance Manager, at (806) 788-2302.

Issuance Date: April 3, 2025

Comisión de Calidad Ambiental del Estado de Texas

AVISO DE RECEPCIÓN DE LA SOLICITUD Y LA INTENCIÓN DE OBTENER CALIDAD DEL AGUA PERMISO RENOVACIÓN

PERMISO NO. WQ0004440000

SOLICITUD. USM Manufacturing L.L.C., 2206 Calle 114, Lubbock, Texas 79423, que posee una planta de procesamiento de alimentos congelados ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) por una renovación Permiso No. WQ0004440000 de disposición de aguas residuales para autorizar la disposición de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio anual de 22,000 galones por día por medio de riego de 30 acres. La planta y el sitio de disposición están ubicadas en 2206 114th Street, Lubbock, en el Condado de Lubbock, Texas. 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=-101.864166,33.4925&level=18 La TCEQ recibió esta solicitud el día 27 de febrero de 2025. La solicitud para el permiso está disponible para leer y copiar en Biblioteca Publica de Mahon, Registros Publicos, 1306 9th Street, Lubbock, Texas. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://gisweb.tceq.texas.gov/LocationMapper/?marker=-101.864166,33.4925&level=18

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

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

contencioso.

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

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

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

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

lista de correo de todas las solicitudes en un condado especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envia por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

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

También se puede obtener información adicional del USM Manufacturing L.L.C. a la dirección indicada arriba o llamando a Senor Keven Simpson, Gerente de Mantenimiento, al (806) 788-2302.

Fecha de emisión 3 de abril de 2025

March 18, 2025

ECRM LLC
6116 76th Street
Lubbock, Texas 79424

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

Via E-mail

RE: Application to Renew Permit No. WQ0004440000
Applicant: USM Manufacturing LLC (CN604061739)
Site: USM Manufacturing (RN101254803)
Type: Renewal without Changes

Dear Abesha Michael:

This letter is in response to the TCEQ letter dated March 05. 2025 regarding the Application to Renew Permit No.: WQ0004440000, and is being sent on behalf of USM Manufacturing LLC. Please find our responses below:

1. Page 7 of the application has been revised to reflect that USM Manufacturing LLC is the Name of the site, which is what was reported on Section III, Item 22 of the Core Data Form. Please see attached.

2. The Plain Language Summary (PLS) English and Spanish has been revised to reflect that USM Manufacturing LLC is seeking a renewal of the permit without changes. This includes a final flow of 22,000 gallons per day. Please see attached.

3. Item 2C on page 3 has been revised to show the President/CEO as signatory to this application. Item 13 on page 11 was signed by the President/CEO, as attested by public notary. Please see attached.

4. We reviewed the NORI as presented and it appears to be accurate with no errors or omissions. The first link goes to the TCEQ pending applications page – USM Manufacturing LLC is not reflected on this page. We assume that this is pending our application being declared administratively complete. The second link accurately reflects the location of the USM Manufacturing LLC facility.

5. We did not find a template attached, so we went to the TCEQ website - https://www.tceq.texas.gov/permitting/wastewater/review/wqspanish_nori.html - and

downloaded the NORI template for an Industrial TLAP Permit Renewal. The completed text and a Microsoft Word version are attached.

If you have any questions or need additional information, please contact me at (806) 777-4024 or chillin@ecrmllc.com.

Sincerely,

Clifford K. Hillin, P.G.
Consulting Geoscientist
Environmental Compliance and Risk Management LLC (ECRM LLC)

Attachment(s)

cc: Mr. Keven Simpson, USM Manufacturing LLC, via email
Mr. Justin Sullivan, USM Manufacturing LLC, via email

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 ☐ N/A

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. Plain Language Summary Template - Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment. Attachment: 3

g. Complete one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment and include as an attachment. Attachment: N/A

Item 10. Regulated Entity and Permitted Site Information (Instructions Page 29)

a. TCEQ issued Regulated Entity Number (RN), if available: RN101254803

Note: If your business site is part of a larger business site, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search the TCEQ's Central Registry to determine the RN or to see if the larger site may already be registered as a Regulated Entity. If the site is found, provide the assigned RN.

b. Name of project or site (the name known by the community where located): USM Manufacturing LLC

c. Is the location address of the facility in the existing permit the same?

☒ Yes ☐ No ☐ N/A (new permit)

Note: If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or Williamson County, additional information concerning protection of the Edwards Aquifer may be required.

d. Owner of treatment facility:

Prefix: N/A Full Name (Last/First Name): N/A

or Organization Name: USM Manufacturing LLC

Mailing Address: 2206 114th Street City/State/Zip: Lubbock/Texas 79423

Phone No: (806) 788-2302 Email: ksimpson@usmmanufacturing.com

e. Ownership of facility: ☐ Public ☒ Private ☐ Both ☐ Federal

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

Prefix: N/A Full Name (Last/First Name): N/A

or Organization Name: USM Manufacturing LLC

g. Application Fee

EPA Classification	New	Major Amend. (with or without renewal)	Renewal (with or without changes)	Minor Amend. / Minor Mod. (without renewal)
Minor facility not subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	☐ $350	☐ $350	☒ $315	☐ $150
Minor facility subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	☐ $1,250	☐ $1,250	☐ $1,215	☐ $150
Major facility	N/A [2]	☐ $2,050	☐ $2,015	☐ $450

h. Payment Information

Mailed

Check or money order No.: N/A

Check or money order amt.: N/A

Named printed on check or money order: N/A

Epay

Voucher number: 750686

Copy of voucher attachment: 1

Item 2. Applicant Information (Instructions, Pages 26)

a. Customer Number, if applicant is an existing customer: CN604061739

Note: Locate the customer number using the TCEQ's Central Registry Customer Search[3].

b. Legal name of the entity (applicant) applying for this permit: USM Manufacturing LLC

Note: The owner of the facility must apply for the permit. The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.

c. Name and title of the person signing the application. (**Note:** The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.)

Prefix: Mr. Full Name (Last/First Name): Sidney Hopper

Title: President/CEO Credential: N/A

d. Will the applicant have overall financial responsibility for the facility?

☒ Yes ☐ No

[2] All facilities are designated as minors until formally classified as a major by EPA.

[3] https://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch

Item 13. Signature Page (Instructions, Page 33)

Permit No: WQ0004440000

Applicant Name: USM Manufacturing LLC

Certification: I, Sidney Hopper, 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): Click to enter text. Sidney Hopper

Signatory title: Click to enter text. President/CEO

Signature: _____ Date: 3/11/25
(Use blue ink)

Subscribed and Sworn to before me by the said _____

on this 11th day of March, 20 25.

My commission expires on the 26th day of Feb, 20 29.

Cynthia Server
Notary Public

Lubbock
County, Texas

CYNTHIA SERVER
My Notary ID # 12257416
Expires February 26, 2029

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

AGUAS RESIDUALES INDUSTRIALES /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.

USM Manufacturing LLC (CN604061739) opera Praters Foods RN101254803, un instalacion de procesamiento de alimentos congelados. La instalación está ubicada en 2206 114th Street, en Lubbock, Condado de Lubbock, Texas 79423. Esta renovación del permiso sin modificaciones autorizará la disposición de aguas residuales generadas por la limpieza y el saneamiento de alimentos congelados en un sitio adyacente de aplicación en tierra para riego en 30 acres de pastos nativos. Las aguas residuales se tratan a través de una caja de sedimentación, donde se filtran y se eliminan los sólidos, y luego se envían a dos estanques de aireación mecánica con una superficie combinada de 0,31 acres y una capacidad de almacenamiento combinada de 2,5 acres-pies. El flujo promedio anual no superará los 22,000 galones por día. Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan aceite y grasa de origen alimentario (máximo diario de 20 mg/l).. Las aguas residuales del procesamiento de alimentos. 16. Elija del menú desplegable tratado por sedimentación y cribado de sólidos, aireación mecánica y digestión microbiana antes de su aplicación en el suelo..

Comisión de Calidad Ambiental del Estado de Texas

AVISO DE RECEPCIÓN DE LA SOLICITUD Y LA INTENCIÓN DE OBTENER CALIDAD DEL AGUA PERMISO
RENOVACIÓN

PERMISO NO. WQ0004440000

SOLICITUD. USM Manufacturing LLC, 2206 Calle 114, Lubbock, Texas 79423 ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) por una renovación Permiso No.WQ0004440000 de disposición de aguas residuales para autorizar la disposición de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 22,000 galones por día por medio de riego de 30 acres. La planta y el sitio de disposición están ubicadas en 2206 114th Street, Lubbock, en el Condado de Lubbock, Texas. 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=-101.864166,33.4925&level=18

La TCEQ recibió esta solicitud el día 27 de febrero de 2025. La solicitud para el permiso está disponible para leer y copiar en Biblioteca Publica de Mahon, Registros Publicos, 1306 9th Street, Lubbock, Texas. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications.

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o

hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

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

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

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

limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios.

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

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

También se puede obtener información adicional del USM Manufacturing L.L.C. a la dirección indicada arriba o llamando a Senor Keven Simpson, Gerente de Mantenimiento, al (806) 788-2302.

Fecha de emisión _____ *[Date notice issued]*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the industrial wastewater permit application.

APPLICANT NAME: USM Manufacturing LLC

PERMIT NUMBER (If new, leave blank): WQ00 04440000

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

	Y	N		Y	N
Administrative Report 1.0	☒	☐	Worksheet 8.0	☐	☐
Administrative Report 1.1	☐	☒	Worksheet 9.0	☐	☐
SPIF	☐	☒	Worksheet 10.0	☐	☐
Core Data Form	☒	☐	Worksheet 11.0	☐	☐
Public Involvement Plan Form	☐	☒	Worksheet 11.1	☐	☐
Plain Language Summary	☒	☐	Worksheet 11.2	☐	☐
Technical Report 1.0	☒	☐	Worksheet 11.3	☐	☐
Worksheet 1.0	☒	☐	Original USGS Map	☐	☐
Worksheet 2.0	☐	☐	Affected Landowners Map	☐	☐
Worksheet 3.0	☐	☐	Landowner Disk or Labels	☐	☐
Worksheet 3.1	☐	☐	Flow Diagram	☐	☐
Worksheet 3.2	☐	☐	Site Drawing	☐	☐
Worksheet 3.3	☐	☐	Original Photographs	☐	☐
Worksheet 4.0	☐	☐	Design Calculations	☐	☐
Worksheet 4.1	☐	☐	Solids Management Plan	☐	☐
Worksheet 5.0	☐	☐	Water Balance	☐	☐
Worksheet 6.0	☐	☐			
Worksheet 7.0	☐	☐			

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region _____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

This report is required for all applications for TPDES permits and TLAPs, except applications for oil and gas extraction operations subject to 40 CFR Part 435. Contact the Applications Review and Processing Team at 512-239-4671 with any questions about completing this report.

Applications for oil and gas extraction operations subject to 40 CFR Part 435 must use the Oil and Gas Exploration and Production Administrative Report (TCEQ Form-20893 and 20893-inst[1]).

Item 1. Application Information and Fees (Instructions, Page 26)

a. Complete each field with the requested information, if applicable.

Applicant Name: USM Manufacturing LLC

Permit No.: WQ0004440000

EPA ID No.: TX0 N/A

Expiration Date: 03/01/2025

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

☒ Industrial Wastewater (wastewater and stormwater)

☐ Industrial Stormwater (stormwater only)

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

☒ Active ☐ Inactive

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

☐ TPDES Permit ☒ TLAP ☐ TPDES with TLAP component

e. Check the box next to the appropriate application type.

☐ New

☐ Renewal with changes ☒ Renewal without changes

☐ Major amendment with renewal ☐ Major amendment without renewal

☐ Minor amendment without renewal

☐ Minor modification without renewal

f. If applying for an amendment or modification, describe the request: N/A

For TCEQ Use Only

Segment Number _____ County _____

Expiration Date _____ Region _____

Permit Number _____

[1] https://www.tceq.texas.gov/publications/search_forms.html

g. Application Fee

EPA Classification	New	Major Amend. (with or without renewal)	Renewal (with or without changes)	Minor Amend. / Minor Mod. (without renewal)
Minor facility not subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	☐ $350	☐ $350	☒ $315	☐ $150
Minor facility subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	☐ $1,250	☐ $1,250	☐ $1,215	☐ $150
Major facility	N/A [2]	☐ $2,050	☐ $2,015	☐ $450

h. Payment Information

Mailed

Check or money order No.: N/A

Check or money order amt.: N/A

Named printed on check or money order: N/A

Epay

Voucher number: 750686

Copy of voucher attachment: 1

Item 2. Applicant Information (Instructions, Pages 26)

a. Customer Number, if applicant is an existing customer: CN604061739

Note: Locate the customer number using the TCEQ's Central Registry Customer Search[3].

b. Legal name of the entity (applicant) applying for this permit: USM Manufacturing LLC

Note: The owner of the facility must apply for the permit. The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.

c. Name and title of the person signing the application. (**Note:** The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.)

Prefix: Mr. Full Name (Last/First Name): Keven Simpson

Title: Maintenance Manager Credential: N/A

d. Will the applicant have overall financial responsibility for the facility?

☒ Yes ☐ No

[2] All facilities are designated as minors until formally classified as a major by EPA.

[3] https://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch

Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.

Item 3. Co-applicant Information (Instructions, Page 27)

☒ Check this box if there is no co-applicant.; otherwise, complete the below questions.

a. Legal name of the entity (co-applicant) applying for this permit: N/A

Note: The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.

b. Customer Number (if applicant is an existing customer): CN N/A

Note: Locate the customer number using the TCEQ's Central Registry Customer Search.

c. Name and title of the person signing the application. (**Note:** The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.)

Prefix: N/A Full Name (Last/First Name): N/A

Title: N/A Credential: N/A

d. Will the co-applicant have overall financial responsibility for the facility?

☐ Yes ☐ No

Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.

Item 4. Core Data Form (Instructions, Pages 27)

a. Complete one Core Data Form (TCEQ Form 10400) for each customer (applicant and co-applicant(s)) and include as an attachment. If the customer type selected on the Core Data Form is Individual, complete Attachment 1 of the Administrative Report. Attachment: 2

Item 5. Application Contact Information (Instructions, Page 27)

Provide names of two individuals who can be contact for additional information about this application. Indicate if the individual can be contact about administrative or technical information, or both.

a. ☒ Administrative Contact . ☒ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Keven/Simpson

Title: Maintenance Manager Credential: N/A

Organization Name: USM Manufacturing LLC

Mailing Address: 2206 114th Street City/State/Zip: Lubbock/Texas/79423

Phone No: (806) 788-2302 Email: ksimpson@usmanufacturing.com

b. ☐ Administrative Contact ☒ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Clifford/Hillin

Title: Consultant Credential: Professional Geoscientist

Organization Name: ECRM LLC

Mailing Address: 6116 76th Street City/State/Zip: Lubbock/Texas/79424

Phone No: (806) 777-4024 Email: chillin@ecrmllc.com

Attachment: N/A

Item 6. Permit Contact Information (Instructions, Page 28)

Provide two names of individuals that can be contacted throughout the permit term.

a. Prefix: Mr. Full Name (Last/First Name): Keven/Simpson

Title: Maintenance Manager Credential: N/A

Organization Name: USM Manufacturing LLC

Mailing Address: 2206 114th Street City/State/Zip: Lubbock/Texas/79423

Phone No: (806) 788-2302 Email: ksimpson@usmmanufacturing.com

b. Prefix: Mr. Full Name (Last/First Name): Clifford/Hillin

Title: Consultant Credential: Professional Geoscientist

Organization Name: ECRM LLC

Mailing Address: 6116 76th Street City/State/Zip: Lubbock/Texas/79424

Phone No: (806) 777-4024 Email: chillin@ecrmllc.com

Attachment: N/A

Item 7. Billing Contact Information (Instructions, Page 28)

The permittee is responsible for paying the annual fee. The annual fee will be assessed for 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 (form TCEQ-20029).

Provide the complete mailing address where the annual fee invoice should be mailed and the name and phone number of the permittee's representative responsible for payment of the invoice.

Prefix: Mr. Full Name (Last/First Name): Keven / Simpson

Title: Maintenance Manager Credential: N/A

Organization Name: USM Manufacturing LLC

Mailing Address: 2206 114th Street City/State/Zip: Lubbock/Texas/79423

Phone No: (806) 788-2302 Email: ksimpson@usmmanufacturing.com

Item 8. DMR/MER Contact Information (Instructions, Page 28)

Provide the name and mailing address of the person delegated to receive and submit DMRs or MERs. **Note:** DMR data must be submitted through the NetDMR system. An electronic reporting account can be established once the facility has obtained the permit number.

Prefix: Ms. Full Name (Last/First Name): Connor / Kelsey

Title: Regulatory Manager Credential: N/A

Organization Name: USM Manufacturing LLC

Mailing Address: 2206 114th Street City/State/Zip: Lubbock/Texas/79423

Phone No: (806) 788-2327 Email: kconnor@usmmanufacturing.com

Item 9. Notice Information (Instructions, Pages 28)

a. Individual Publishing the Notices

Prefix: Mr. Full Name (Last/First Name): Keven / Simpson

Title: Maintenance Manager Credential:

Organization Name: USM Manufacturing LLC

Mailing Address: 2206 114th Street City/State/Zip: Lubbock/Texas/79423

Phone No: (806) 788-2302 Email: ksimpson@usmmanufacturing.com

b. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package (only for NORI, NAPD will be sent via regular mail)

☐ E-mail: N/A

☐ Fax: N/A

☒ Regular Mail (USPS)

Mailing Address: 2206 114th Street

City/State/Zip Code: Lubbock/Texas/79423

c. Contact in the Notice

Prefix: Mr Full Name (Last/First Name): Simpson / Keven

Title: Maintenance Manager Credential: N/A

Organization Name: USM Manufacturing LLC

Phone No: (806) 788-2302 Email: ksimpson@usmmanufacturing.com

d. Public Viewing Location Information

Note: If the facility or outfall is located in more than one county, provide a public viewing place for each county.

Public building name: Mahon Library Location within the building: Public Records

Physical Address of Building: 1306 9th Street

City: Lubbock County: Lubbock

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.

Call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine if an alternative language notice(s) is 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 Item 8 (Regulated Entity and Permitted Site Information.)

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 ☐ N/A

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. Plain Language Summary Template - Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment. Attachment: 3

g. Complete one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment and include as an attachment. Attachment: N/A

a. TCEQ issued Regulated Entity Number (RN), if available: RN101254803

Note: If your business site is part of a larger business site, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search the TCEQ's Central Registry to determine the RN or to see if the larger site may already be registered as a Regulated Entity. If the site is found, provide the assigned RN.

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

c. Is the location address of the facility in the existing permit the same?

   ☒ Yes ☐ No ☐ N/A (new permit)

   Note: If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or Williamson County, additional information concerning protection of the Edwards Aquifer may be required.

d. Owner of treatment facility:

   Prefix: N/A Full Name (Last/First Name): N/A

   or Organization Name: USM Manufacturing LLC

   Mailing Address: 2206 114th Street City/State/Zip: Lubbock/Texas 79423

   Phone No: (806) 788-2302 Email: ksimpson@usmmanufacturing.com

e. Ownership of facility: ☐ Public ☒ Private ☐ Both ☐ Federal

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

   Prefix: N/A Full Name (Last/First Name): N/A

   or Organization Name: USM Manufacturing LLC

Mailing Address: 2206 114th Street City/State/Zip: Lubbock/Texas/79423

Phone No: (806) 788-2302 Email: ksimpson@usmmanufacturing.com

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years (In some cases, a lease may not suffice - see instructions). Attachment: N/A

g. Owner of effluent TLAP disposal site (if applicable): USM Manufacturing LLC

Prefix: N/A Full Name (Last/First Name): N/A

or Organization Name: USM Manufacturing LLC

Mailing Address: 2206 114th Street City/State/Zip: Lubbock/Texas/79423

Phone No: (806) 788-2302 Email: ksimpson@usmmanufacturing.com

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: N/A

h. Owner of sewage sludge disposal site (if applicable):

Prefix: N/A Full Name (Last/First Name): N/A

or Organization Name: N/A

Mailing Address: N/A City/State/Zip: N/A

Phone No: N/A Email: N/A

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: N/A

Item 11. TPDES Discharge/TLAP Disposal Information (Instructions, Page 31)

a. Is the facility located on or does the treated effluent cross Native American Land?

☐ Yes ☒ No

b. Attach an original full size USGS Topographic Map (or an 8.5"×11" reproduced portion for renewal or amendment applications) with all required information. Check the box next to each item below to confirm it has been included on the map.

☒ One-mile radius

☒ Applicant's property boundaries

☐ Labeled point(s) of discharge

☒ Effluent disposal site boundaries

☐ Sewage sludge disposal site

☐ Three-miles downstream information

☒ Treatment facility boundaries

Highlighted discharge route(s)

☒ All wastewater ponds

☐ New and future construction

Attachment: 4

c. Is the location of the sewage sludge disposal site in the existing permit accurate?

☐ Yes ☐ No or New Permit

If no, or a new application, provide an accurate location description: N/A

d. Are the point(s) of discharge in the existing permit correct?

☐ Yes ☐ No or New Permit

If no, or a new application, provide an accurate location description: N/A

e. Are the discharge route(s) in the existing permit correct?

☐ Yes ☐ No or New Permit

If no, or a new permit, provide an accurate description of the discharge route: N/A

f. City nearest the outfall(s): N/A

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

h. 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, attach copies of letters that show proof of contact and provide the approval letter upon receipt. Attachment: N/A

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

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

☒ Yes No or New Permit ☐ N/A

If no, or a new application, provide an accurate location description: N/A

j. City nearest the disposal site: Lubbock

k. County in which the disposal site is located: Lubbock County

l. For TLAPs, describe how effluent is/will be routed from the treatment facility to the disposal site: Effluent is routed via four-inch underground pipe east to a pivot and north to a series of sprinklers.

m. For TLAPs, identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Unnamed ditch flowing north 500' to playa lake.

Item 12. Miscellaneous Information (Instructions, Page 33)

a. 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: N/A

b. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account no.: N/A

Total amount due: N/A

c. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Enforcement order no.: N/A

Amount due: N/A

Item 13. Signature Page (Instructions, Page 33)

Permit No: WQ0004440000

Applicant Name: USM Manufacturing LLC

Certification: I, Keven Simpson, 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): Keven Simpson

Signatory title: Maintenance Manager

Signature: _____ Date: 10/28/24
(Use blue ink)

Subscribed and Sworn to before me by the said Keven Simpson

on this 28th day of October, 20 24.

My commission expires on the September day of 1, 20 27.

Tammy A Gonzales
Notary Public

Lubbock
County, Texas

[SEAL]

TAMMY A. GONZALES NOTARY PUBLIC STATE OF TEXAS ID 13035481 EXP. 09-01-2027

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

INDUSTRIAL WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.1

The following information is required for new and amendment applications.

Item 1. Affected Landowner Information (Instructions, Page 35)

a. Attach a landowner map or drawing, with scale, as applicable. Check the box next to each item to confirm it has been provided.

- ☐ 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 (e.g., irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property.
- ☐ The property boundaries of all landowners surrounding the applicant's property boundaries where the effluent disposal site is located.
- ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners within one-quarter mile of 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 (e.g., sludge surface disposal site or sludge monofil) is located.

Attachment: N/A

b. Check the box next to the format of the landowners list:

☐ Readable/Writeable CD ☐ Four sets of labels

Attachment: N/A

d. Provide the source of the landowners' names and mailing addresses: N/A

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

Item 2. Original Photographs (Instructions, Page 37)

Provide original ground level photographs. Check the box next to each of the following items to indicate it is included.

☐ 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.

Attachment: N/A

INDUSTRIAL 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: N/A

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if mailing the payment. (Instructions, Page 36-37)

- 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 **Permit No:** WQ0004440000

1. Check or Money Order Number: N/A (epay Voucher No. 7506854)
2. Check or Money Order Amount: N/A ($315)
3. Date of Check or Money Order: N/A (02/18/2025)
4. Name on Check or Money Order: N/A (CLIFFORD HILLIN, ECRM LLC)
5. APPLICATION INFORMATION

   Name of Project or Site: PRATERS FOODS

   Physical Address of Project or Site: 2206 114TH ST, LUBBOCK, TX 79423

   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.
   Attachment: N/A

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Item 1: Individual information (Instructions, Page 38)

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., or Miss): N/A

Full legal name (first, middle, and last): N/A

Driver's License or State Identification Number: N/A

Date of Birth: N/A

Mailing Address: N/A

City, State, and Zip Code: N/A

Phone No.: N/A

Fax No.: N/A

E-mail Address: N/A

CN: N/A

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

☒ Core Data Form (TCEQ Form No. 10400)
(Required for all applications 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
(TCEQ Form Nos. 10055 and 10411. Version dated 5/10/2019 or later.)

☒ Water Quality Permit Payment Submittal Form (Page 14)
(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)

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

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

☒ N/A ☐ Landowners Map
(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.

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

☒ N/A ☐ Landowners Labels or CD-RW attached
(See instructions for landowner requirements.)

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

☒ Plain Language Summary

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

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

Transaction Information

Trace Number:	582EA000652770
Date:	02/18/2025 02:00 PM
Payment Method:	CC - Authorization 0000198622
ePay Actor:	CLIFFORD HILLIN
Actor Email:	chillin@ecrmllc.com
IP:	68.94.242.87
TCEQ Amount:	$315.00
Texas.gov Price:	$322.34*

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

Payment Contact Information

Name:	CLIFFORD HILLIN
Company:	ECRM LLC
Address:	6116 76TH STREET, LUBBOCK, TX 79424
Phone:	806-777-4024

Cart Items

Click on the voucher number to see the voucher details.

Voucher	Fee Description	AR Number	Amount
750685	WW PERMIT - MINOR FACILITY NOT SUBJECT TO 40 CFR 400-471 - RENEWAL		$300.00
750686	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE		$15.00
		TCEQ Amount:	$315.00

ePay Again Exit ePay

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

ATTACHMENT 2

CORE DATA FORM
(TCEQ FORM 10400)

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number *(if issued)*
CN 604061739		RN 101254803

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy) 01/01/2025

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

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

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

USM Manufacturing LLC

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
0801153835	32040034B	270676088	

11. Type of Customer: ☒ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees
☐ 0-20 ☒ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?
☒ Yes ☐ No

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

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

15. Mailing Address: 2206 114th Street

City	Lubbock	State	TX	ZIP	79423	ZIP + 4	

16. Country Mailing Information *(if outside USA)*	17. E-Mail Address *(if applicable)*
	ksimpson@usmmanufacturing.com

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*

(806) 745-2727		( ) -

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.)*

USM Manufacturing LLC

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	2206 114th Street							
	City	Lubbock	**State**	TX	**ZIP**	79423	**ZIP + 4**	
24. County	Lubbock							

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

25. Description to Physical Location:					
26. Nearest City			**State**		**Nearest ZIP Code**

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

27. Latitude (N) In Decimal:	33.491944		**28. Longitude (W) In Decimal:**	-101.863889	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
33	29	31	-101	51	50

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
2011	5142	424420	

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

Frozen foods processing facility

34. Mailing Address:	**2206 114th Street**							
	City	Lubbock	**State**	TX	**ZIP**	79423	**ZIP + 4**	
35. E-Mail Address:	**ksimpson@usmmanufacturing.com**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(806) 745-2727		( ) -

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

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☒ PWS
				1520236
☐ Sludge	☒ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
	TXRNEY992			
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0004440000			

SECTION IV: Preparer Information

40. Name:	Clifford K. Hillin, P.G.	41. Title:	Geologist / Consultant

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(806) 777-4024		( ) -	chillin@ecrmllc.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:	USM Manufacturing LLC	Job Title:	Maintenance Manager	
Name *(In Print)*:	Keven Simpson		Phone:	(806) 745- 2727
Signature:	K. Simpson		Date:	02/20/2025

ATTACHMENT 3

PLAIN LANGUAGE SUMMARY
TCEQ FORM 20972

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS INDUSTRIAL 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.

USM Manufacturing LLC (CN604061739) operates Praters Foods (RN101254803), a frozen food processing facility. The facility is located at 2206 114th Street, in Lubbock, Lubbock County, Texas 79423. This permit renewal without changes will authorize the disposal of wastewater generated from cleanup and sanitation of frozen food to an adjacent land application site for irrigation on 30 acres of native grasses. The wastewater is treated through a settling box, where it is screened and solids removed, then routed to two mechanical aeration ponds with a combined surface area of 0.31 acre and combined storage capacity of 2.5 acre-feet. Annual average flow will not exceed 50,000 gallons per day. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain food oil and grease (20 mg/L daily maximum). Food processing wastewater is treated by solids setting and screening, mechanical aeration, and microbial digestion prior to land application.

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

AGUAS RESIDUALES INDUSTRIALES /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.

USM Manufacturing LLC (CN604061739) opera Praters Foods (RN101254803), un instalacion de procesamiento de alimentos congelados. La instalación está ubicada en 2206 114th Street, en Lubbock, Condado de Lubbock, Texas 79423. Esta renovación del permiso sin modificaciones autorizará la disposición de aguas residuales generadas por la limpieza y el saneamiento de alimentos congelados en un sitio adyacente de aplicación en tierra para riego en 30 acres de pastos nativos. Las aguas residuales se tratan a través de una caja de sedimentación, donde se filtran y se eliminan los sólidos, y luego se envían a dos estanques de aireación mecánica con una superficie combinada de 0,31 acres y una capacidad de almacenamiento combinada de 2,5 acres-pies. El flujo promedio anual no superará los 50.000 galones por día. Este
permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan aceite y grasa de origen alimentario (máximo diario de 20 mg/l).. Las aguas residuales del procesamiento de alimentos. **16. Elija del menú desplegable** tratado por sedimentación y cribado de sólidos, aireación mecánica y digestión microbiana antes de su aplicación en el suelo..

INSTRUCTIONS

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

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

Example

Individual Industrial Wastewater Application

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

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

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

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

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

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


NOTE: ALL EFFLUENT IS LAND APPLIED, NO DISCHARGE OFF SITE. SEE APPENDIX M
QUADRANTS: WOODROW
LUBBOCK EAST
LUBBOCK WEST
SLIDE
AGRICULTURAL LAND APPLICATION AREA
30 ACRES
STORAGE PONDS
FACILITY BOUNDARY
1 MILE RADIUS
UNIVERSITY AVE
114TH ST
I-196
Trailer Parks
NORTH
0.5 mi

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

The following information **is required** for all applications for a TLAP or an individual TPDES discharge permit.

For **additional information** or clarification on the requested information, please refer to the Instructions for Completing the Industrial Wastewater Permit Application[1] available on the TCEQ website. Please contact the Industrial Permits Team at 512-239-4671 with any questions about this form.

If more than one outfall is included in the application, provide applicable information for each individual outfall. **If an item does not apply to the facility, enter N/A** to indicate that the item has been considered. Include separate reports or additional sheets as **clearly cross-referenced attachments** and provide the attachment number in the space provided for the item the attachment addresses.

NOTE: This application is for an industrial wastewater permit only. Additional authorizations from the TCEQ Waste Permits Division or the TCEQ Air Permits Division may be needed.

Item 1. Facility/Site Information (Instructions, Page 39)

a. Describe the general nature of the business and type(s) of industrial and commercial activities. Include all applicable SIC codes (up to 4).

USM Manufacturing, LLC is a frozen foods processing facility. SIC codes = 5142, 2038; NAICS codes = 311412, 424420

b. Describe all wastewater-generating processes at the facility.

Wastewater is generated during cleanup and sanitation procedures related to the production of smoked and baked meat products (turkey, chicken, brisket, ham, bacon), gravy, vegetable casseroles, and cornbread dressing. (NOTE: Human waste is not processed through the wastewater treatment plant.)

[1] https://www.tceq.texas.gov/permitting/wastewater/industrial/TPDES_industrial_wastewater_steps.html

c. Provide a list of raw materials, major intermediates, and final products handled at the facility.

Materials List

Raw Materials	Intermediate Products	Final Products
Turkey		Frozen meats
Chicken		Gravy
Brisket		Vegetable casseroles
Ham		Cornbread dressing
Bacon		Grease
Vegetables		
Breadcrumbs		
Baking ingredients		
Seasonings		
Cleaning agents		

Attachment: N/A

d. Attach a facility map (drawn to scale) with the following information:

- Production areas, maintenance areas, materials-handling areas, waste-disposal areas, and water intake structures.
- The location of each unit of the WWTP including the location of wastewater collection sumps, impoundments, outfalls, and sampling points, if significantly different from outfall locations.

Attachment: 01

e. Is this a new permit application for an existing facility?

☐ Yes ☒ No

If **yes**, provide background discussion: N/A

f. Is/will the treatment facility/disposal site be located above the 100-year frequency flood level.

☒ Yes ☐ No

List source(s) used to determine 100-year frequency flood plain: FEMA maps

If **no**, provide the elevation of the 100-year frequency flood plain and describe what protective measures are used/proposed to prevent flooding (including tail water and rainfall run-on controls) of the treatment facility and disposal area: The elevation of the 100-yr floodplain (Zones AE and X) is approximately 3,196 feet. The northern edge of the land application field is within the 100-yr floodplain. A berm has been built around the northern perimeter to prevent flooding. The majority of the land application field is designated Zone X Minimal Flood Hazard.

Attachment: 02

g. For **new** or **major amendment** permit applications, will any construction operations result in a discharge of fill material into a water in the state?

☐ Yes ☐ No ☒ N/A (renewal only)

h. If **yes** to Item 1.g, has the applicant applied for a USACE CWA Chapter 404 Dredge and Fill permit?

☐ Yes ☐ No

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

If **no**, provide an approximate date of application submittal to the USACE: N/A

Item 2. Treatment System (Instructions, Page 40)

a. List any physical, chemical, or biological treatment process(es) used/proposed to treat wastewater at this facility. Include a description of each treatment process, starting with initial treatment and finishing with the outfall/point of disposal.

Effluent process water flows through three (3) grease traps, then to the first pond, where it is treated via mechanical aeration and microbial digestion. The effluent is then pumped to the second pond, where it is treated with mechanical aeration and microbial digestion. The second pond also acts as storage of the treated wastewater, before it is land applied on facility property to the east and north.

b. Attach a flow schematic **with a water balance** showing all sources of water and wastewater flow into the facility, wastewater flow into and from each treatment unit, and wastewater flow to each outfall/point of disposal.

Attachment: 03

Item 3. Impoundments (Instructions, Page 40)

Does the facility use or plan to use any wastewater impoundments (e.g., lagoons or ponds?)

☒ Yes ☐ No

If **no**, proceed to Item 4. If **yes**, complete **Item 3.a** for **existing** impoundments and **Items 3.a - 3.e** for **new or proposed** impoundments. **NOTE:** See instructions, Pages 40-42, for additional information on the attachments required by Items 3.a - 3.e.

a. Complete the table with the following information for each existing, new, or proposed impoundment. Attach additional copies of the Impoundment Information table, if needed.

Use Designation: Indicate the use designation for each impoundment as Treatment (T), Disposal (D), Containment (C), or Evaporation (E).

Associated Outfall Number: Provide an outfall number if a discharge occurs or will occur.

Liner Type: Indicate the liner type as Compacted clay liner (C), In-situ clay liner (I), Synthetic/plastic/rubber liner (S), or Alternate liner (A). **NOTE:** See instructions for further detail on liner specifications. If an alternate liner (A) is selected, include an attachment that provides a description of the alternate liner and any additional technical information necessary for an evaluation.

Leak Detection System: If any leak detection systems are in place/planned, enter **Y** for yes. Otherwise, enter **N** for no.

Groundwater Monitoring Wells and Data: If groundwater monitoring wells are in place/planned, enter **Y** for yes. Otherwise, enter **N** for no. Attach any existing groundwater monitoring data.

Dimensions: Provide the dimensions, freeboard, surface area, storage capacity of the impoundments, and the maximum depth (not including freeboard). For impoundments with irregular shapes, submit surface area instead of length and width.

Compliance with 40 CFR Part 257, Subpart D: If the impoundment is required to be in compliance with 40 CFR Part 257, Subpart D, enter **Y** for yes. Otherwise, enter **N** for no.

Date of Construction: Enter the date construction of the impoundment commenced (mm/dd/yy).

Impoundment Information

Parameter	Pond #	Pond #	Pond #	Pond #
Use Designation: (T) (D) (C) or (E)	T	T/C		
Associated Outfall Number	01 (to Pond #2)	01 (to land application)		
Liner Type (C) (I) (S) or (A)	S	S		
Alt. Liner Attachment Reference				
Leak Detection System, Y/N	N	N		
Groundwater Monitoring Wells, Y/N	Y	Y		
Groundwater Monitoring Data Attachment	Y	Y		
Pond Bottom Located Above The Seasonal High-Water Table, Y/N	Y	Y		
Length (ft)	100	140		
Width (ft)	80	40		
Max Depth From Water Surface (ft), Not Including Freeboard	8	8		
Freeboard (ft)	2	2		
Surface Area (acres)	0.183	0.128		
Storage Capacity (gallons)	337,019	193,403		
40 CFR Part 257, Subpart D, Y/N	N	N		

Parameter	Pond #	Pond #	Pond #	Pond #
Date of Construction	~1965	~1965		

Attachment: N/A

The following information (**Items 3.b – 3.e**) is required only for **new or proposed** impoundments.

b. For new or proposed impoundments, attach any available information on the following items. If attached, check **yes** in the appropriate box. Otherwise, check **no** or **not yet designed.**

1. Liner data

☐ Yes ☐ No ☐ Not yet designed

2. Leak detection system or groundwater monitoring data

☐ Yes ☐ No ☐ Not yet designed

3. Groundwater impacts

☐ Yes ☐ No ☐ Not yet designed

NOTE: Item b.3 is required if the bottom of the pond is not above the seasonal high-water table in the shallowest water-bearing zone.

Attachment: N/A

For TLAP applications: Items 3.c – 3.e are **not required**, continue to Item 4.

c. Attach a USGS map or a color copy of original quality and scale which accurately locates and identifies all known water supply wells and monitor wells within ½-mile of the impoundments.

Attachment: N/A

d. Attach copies of State Water Well Reports (e.g., driller's logs, completion data, etc.), and data on depths to groundwater for all known water supply wells including a description of how the depths to groundwater were obtained.

Attachment: N/A

e. Attach information pertaining to the groundwater, soils, geology, pond liner, etc. used to assess the potential for migration of wastes from the impoundments or the potential for contamination of groundwater or surface water.

Attachment: N/A

Item 4. Outfall/Disposal Method Information (Instructions, Page 42)

Complete the following tables to describe the location and wastewater discharge or disposal operations for each outfall for discharge, and for each point of disposal for TLAP operations.

If there are more outfalls/points of disposal at the facility than the spaces provided, copies of pages 6 and/0r numbered accordingly (i.e., page 6a, 6b, etc.) may be used to provide information on the additional outfalls.

For TLAP applications: Indicate the disposal method and each individual irrigation area I, evaporation pond E, or subsurface drainage system S by providing the appropriate letter designation for the disposal method followed by a numerical designation for each disposal area in the space provided for **Outfall** number (e.g. E1 for evaporation pond 1, I2 for irrigation area No. 2, etc.).

Outfall Longitude and Latitude

Outfall No.	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
01	33.493333	-101.864444

Outfall Location Description

Outfall No.	Location Description
01	Outfall located inside pump house between west and east ponds. Flows to I-1 (pivot located east of WWTP) and I-2 (sprinklers located north of WWTP.

Description of Sampling Point(s) (if different from Outfall location)

Outfall No.	Description of sampling point
01	Sample port on pump in pump house.

Outfall Flow Information – Permitted and Proposed

Outfall No.	Permitted Daily Avg Flow (MGD)	Permitted Daily Max Flow (MGD)	Proposed Daily Avg Flow (MGD)	Proposed Daily Max Flow (MGD)	Anticipated Discharge Date (mm/dd/yy)
01	0.022	Report (0.022)	0.022	Report (0.022)	03/01/2025

Outfall Discharge – Method and Measurement

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
01	Y	N	2" inline water meter

Outfall Discharge - Flow Characteristics

Outfall No.	Intermittent Discharge? Y/N	Continuous Discharge? Y/N	Seasonal Discharge? Y/N	Discharge Duration (hrs/day)	Discharge Duration (days/mo)	Discharge Duration (mo/yr)
01	Y	N	N	5	9	12

Outfall Wastestream Contributions

Outfall No. 01

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Food Processing Cleanup and Sanitation Wastewater	0.05	100

Outfall No. N/A

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow

Outfall No. N/A

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow

Attachment: N/A

Item 5. Blowdown and Once-Through Cooling Water Discharges (Instructions, Page 43)

a. Indicate if the facility currently or proposes to:

☐ Yes ☒ No Use cooling towers that discharge blowdown or other wastestreams

☐ Yes ☒ No Use boilers that discharge blowdown or other wastestreams

☐ Yes ☒ No Discharge once-through cooling water

NOTE: If the facility uses or plans to use cooling towers or once-through cooling water, Item 12 **is required.**

b. If **yes** to any of the above, attach an SDS with the following information for each chemical additive.

- Manufacturers Product Identification Number
- Product use (e.g., biocide, fungicide, corrosion inhibitor, etc.)
- Chemical composition including CASRN for each ingredient
- Classify product as non-persistent, persistent, or bioaccumulative
- Product or active ingredient half-life
- Frequency of product use (e.g., 2 hours/day once every two weeks)
- Product toxicity data specific to fish and aquatic invertebrate organisms
- Concentration of whole product or active ingredient, as appropriate, in wastestream.

In addition to each SDS, attach a summary of the above information for each specific wastestream and the associated chemical additives. Specify which outfalls are affected.

Attachment: N/A

c. Cooling Towers and Boilers

If the facility currently or proposes to use cooling towers or boilers that discharge blowdown or other wastestreams to the outfall(s), complete the following table.

Cooling Towers and Boilers

Type of Unit	Number of Units	Daily Avg Blowdown (gallons/day)	Daily Max Blowdown (gallons/day)
Cooling Towers	N/A		
Boilers	N/A		

Item 6. Stormwater Management (Instructions, Page 44)

Will any existing/proposed outfalls discharge stormwater associated with industrial activities, as defined at *40 CFR § 122.26(b)(14)*, commingled with any other wastestream?

☐ Yes ☒ No

If **yes**, briefly describe the industrial processes and activities that occur outdoors or in a manner which may result in exposure of the activities or materials to stormwater: N/A

Item 7. Domestic Sewage, Sewage Sludge, and Septage Management and Disposal (Instructions, Page 44)

Domestic Sewage - Waste and wastewater from humans or household operations that is discharged to a wastewater collection system or otherwise enters a treatment works.

a. Check the box next to the appropriate method of domestic sewage and domestic sewage sludge treatment or disposal. Complete Worksheet 5.0 or Item 7.b if directed to do so.

☐ Domestic sewage is routed (i.e., connected to or transported to) to a WWTP permitted to receive domestic sewage for treatment, disposal, or both. Complete Item 7.b.

☒ Domestic sewage disposed of by an on-site septic tank and drainfield system. Complete Item 7.b.

☐ Domestic and industrial treatment sludge ARE commingled prior to use or disposal.

☐ Industrial wastewater and domestic sewage are treated separately, and the respective sludge IS NOT commingled prior to sludge use or disposal. Complete Worksheet 5.0.

☐ Facility is a POTW. Complete Worksheet 5.0.

☐ Domestic sewage is not generated on-site.

☒ Other (e.g., portable toilets), specify and Complete Item 7.b: *Vacuum truck collects fats from oil/water separators and hauls to South Plains Disposal in Lubbock, Texas.*

b. Provide the name and TCEQ, NPDES, or TPDES Permit No. of the waste-disposal facility which receives the domestic sewage/septage. If hauled by motorized vehicle, provide the name and TCEQ Registration No. of the hauler.

Domestic Sewage Plant/Hauler Name

Plant/Hauler Name	Permit/Registration No.
Grease Trapper Service	20523
City of Lubbock Southeast Reclamation Plant (septic) SouthWaste Disposal (grease trap)	22042 MSW-2231

Item 8. Improvements or Compliance/Enforcement Requirements (Instructions, Page 45)

a. Is the permittee currently required to meet any implementation schedule for compliance or enforcement?

☐ Yes ☒ No

b. Has the permittee completed or planned for any improvements or construction projects?

☐ Yes ☒ No

c. If **yes** to either 8.a **or** 8.b, provide a brief summary of the requirements and a status update: N/A

Item 9. Toxicity Testing (Instructions, Page 45)

Have any biological tests for acute or chronic toxicity been made on any of the discharges or on a receiving water in relation to the discharge within the last three years?

☐ Yes ☒ No

If **yes**, identify the tests and describe their purposes: N/A

Additionally, attach a copy of all tests performed which **have not** been submitted to the TCEQ or EPA. **Attachment:** N/A

Item 10. Off-Site/Third Party Wastes (Instructions, Page 45)

a. Does or will the facility receive wastes from off-site sources for treatment at the facility, disposal on-site via land application, or discharge via a permitted outfall?

☐ Yes ☒ No

If **yes**, provide responses to Items 10.b through 10.d below.

If **no**, proceed to Item 11.

b. Attach the following information to the application:

- List of wastes received (including volumes, characterization, and capability with on-site wastes).
- Identify the sources of wastes received (including the legal name and addresses of the generators).
- Description of the relationship of waste source(s) with the facility's activities.

Attachment: N/A

c. Is or will wastewater from another TCEQ, NPDES, or TPDES permitted facility commingled with this facility's wastewater after final treatment and prior to discharge via the final outfall/point of disposal?

☐ Yes ☐ No

If **yes**, provide the name, address, and TCEQ, NPDES, or TPDES permit number of the contributing facility and a copy of any agreements or contracts relating to this activity.

Attachment: N/A

d. Is this facility a POTW that accepts/will accept process wastewater from any SIU and has/is required to have an approved pretreatment program under the NPDES/TPDES program?

☐ Yes ☐ No

If **yes**, **Worksheet 6.0** of this application **is required**.

Item 11. Radioactive Materials (Instructions, Page 46)

a. Are/will radioactive materials be mined, used, stored, or processed at this facility?

☐ Yes ☒ No

If **yes**, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L.

Radioactive Materials Mined, Used, Stored, or Processed

Radioactive Material Name	Concentration (pCi/L)
N/A	

b. Does the applicant or anyone at the facility have any knowledge or reason to believe that radioactive materials may be present in the discharge, including naturally occurring radioactive materials in the source waters or on the facility property?

☐ Yes ☒ No

If **yes**, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L. Do not include information provided in response to Item 11.a.

Radioactive Materials Present in the Discharge

Radioactive Material Name	Concentration (pCi/L)
N/A	

Item 12. Cooling Water (Instructions, Page 46)

a. Does the facility use or propose to use water for cooling purposes?

☐ Yes ☒ No

If **no**, stop here. If **yes**, complete Items 12.b thru 12.f.

b. Cooling water is/will be obtained from a groundwater source (e.g., on-site well).

☐ Yes ☐ No

If **yes**, stop here. If **no**, continue.

c. Cooling Water Supplier

1. Provide the name of the owner(s) and operator(s) for the CWIS that supplies or will supply water for cooling purposes to the facility.

Cooling Water Intake Structure(s) Owner(s) and Operator(s)

CWIS ID	N/A			
Owner	N/A			
Operator	N/A			

2. Cooling water is/will be obtained from a Public Water Supplier (PWS)

☐ Yes ☐ No

If **no**, continue. If **yes**, provide the PWS Registration No. and stop here: PWS No. Click to enter text.

3. Cooling water is/will be obtained from a reclaimed water source?

☐ Yes ☐ No

If **no**, continue. If **yes**, provide the Reuse Authorization No. and stop here: Click to enter text.

4. Cooling water is/will be obtained from an Independent Supplier

☐ Yes ☐ No

If **no**, proceed to Item 12.d. If **yes**, provide the actual intake flow of the Independent Supplier's CWIS that is/will be used to provide water for cooling purposes and proceed: N/A

d. 316(b) General Criteria

1. The CWIS(s) used to provide water for cooling purposes to the facility has or will have a cumulative design intake flow of 2 MGD or greater.

☐ Yes ☐ No

2. At least 25% of the total water withdrawn by the CWIS is/will be used at the facility exclusively for cooling purposes on an annual average basis.

☐ Yes ☐ No

3. The CWIS(s) withdraw(s)/propose(s) to withdraw water for cooling purposes from surface waters that meet the definition of Waters of the United States in *40 CFR § 122.2*.

☐ Yes ☐ No

If **no**, provide an explanation of how the waterbody does not meet the definition of Waters of the United States in *40 CFR § 122.2*: N/A

If **yes** to all three questions in Item 12.d, the facility **meets** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA. Proceed to **Item 12.f.**

If **no** to any of the questions in Item 12.d, the facility **does not meet** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA; however, a determination is required based upon BPJ. Proceed to **Item 12.e**.

e. The facility does not meet the minimum requirements to be subject to the fill requirements of Section 316(b) **and uses/proposes to use cooling towers**.

☐ Yes ☐ No

If **yes**, stop here. If **no**, complete Worksheet 11.0, Items 1.a, 1.b.1-3 and 6, 2.b.1, and 3.a to allow for a determination based upon BPJ.

f. Oil and Gas Exploration and Production

1. The facility is subject to requirements at 40 CFR Part 435, Subparts A or D.

☐ Yes ☐ No

If **yes**, continue. If **no**, skip to Item 12.g.

2. The facility is an existing facility as defined at 40 CFR § 125.92(k) or a new unit at an existing facility as defined at 40 CFR § 125.92(u).

☐ Yes ☐ No

If **yes**, complete Worksheet 11.0, Items 1.a, 1.b.1-3 and 6, 2.b.1, and 3.a to allow for a determination based upon BPJ. If **no**, skip to Item 12.g.3.

g. Compliance Phase and Track Selection

1. Phase I - New facility subject to 40 CFR Part 125, Subpart I

☐ Yes ☐ No

If **yes**, check the box next to the compliance track selection, attach the requested information, and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.

☐ Track I - AIF greater than 2 MGD, but less than 10 MGD

- Attach information required by *40 CFR §§ 125.86(b)(2)-(4).*

☐ Track I - AIF greater than 10 MGD

- Attach information required by *40 CFR § 125.86(b).*

☐ Track II

- Attach information required by *40 CFR § 125.86(c).*

Attachment: N/A

2. Phase II - Existing facility subject to 40 CFR Part 125, Subpart J

☐ Yes ☐ No

If **yes**, complete Worksheets 11.0 through 11.3, as applicable.

3. Phase III - New facility subject to 40 CFR Part 125, Subpart N

☐ Yes ☐ No

If **yes**, check the box next to the compliance track selection and provide the requested information.

☐ Track I - Fixed facility

- Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.

☐ Track I - Not a fixed facility

- Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Item 2 (except CWIS latitude/longitude under Item 2.a).

☐ Track II - Fixed facility

- Attach information required by 40 CFR § 125.136(c) and complete Worksheet 11.0, Items 2 and 3.

Attachment: N/A

Item 13. Permit Change Requests (Instructions, Page 48)

This item is only applicable to existing permitted facilities.

a. Is the facility requesting a **major amendment** of an existing permit?

☐ Yes ☒ No

If **yes**, list each request individually and provide the following information: 1) detailed information regarding the scope of each request and 2) a justification for each request. Attach any supplemental information or additional data to support each request.

N/A

b. Is the facility requesting any **minor amendments** to the permit?

☐ Yes ☒ No

If **yes**, list and describe each change individually.

N/A

c. Is the facility requesting any **minor modifications** to the permit?

☐ Yes ☒ No

If yes, list and describe each change individually.

N/A

Item 14. Laboratory Accreditation (Instructions, Page 49)

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: Clifford K. Hillin, P.G.

Title: Professional Geoscientist

Signature: _____

Date: 02/24/2025

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND APPLICATION OF EFFLUENT

This worksheet **is required** for all applications for a permit to disposal of wastewater by land application (i.e., TLAP)).

Item 1. Type of Disposal System (Instructions, Page 69)

Check the box next to the type of land disposal requested by this application:

- ☒ Irrigation
- ☐ Evaporation
- ☐ Evapotranspiration beds
- ☐ Drip irrigation system
- ☐ Subsurface application
- ☐ Subsurface soils absorption
- ☐ Surface application
- ☐ Other, specify: N/A

Item 2. Land Application Area (Instructions, Page 69)

Land Application Area Information

Effluent Application (gallons/day)	Irrigation Acreage (acres)	Describe land use & indicate type(s) of crop(s)	Public Access? (Y/N)
22,000	30	Grass	N

Item 3. Annual Cropping Plan (Instructions, Page 69)

Attach the required cropping plan that includes each of the following:

- Cool and warm season plant species
- Breakdown of acreage and percent of total acreage for each crop
- Crop growing season
- Harvesting method/number of harvests
- Minimum/maximum harvest height
- Crop yield goals
- Soils map
- Nitrogen requirements per crop
- Additional fertilizer requirements
- Supplemental watering requirements
- Crop salt tolerances
- Justification for not removing existing vegetation to be irrigated

Attachment: 04

Item 4. Well and Map Information (Instructions, Page 70)

a. Check each box to confirm the required information is shown and labeled on the attached USGS map:

☒ The exact boundaries of the land application area

☒ On-site buildings

☒ Waste-disposal or treatment facilities

☒ Effluent storage and tailwater control facilities

☐ Buffer zones

☐ All surface waters in the state onsite and within 500 feet of the property boundaries

☒ All water wells within ½-mile of the disposal site, wastewater ponds, or property boundaries

☐ All springs and seeps onsite and within 500 feet of the property boundaries

Attachment: 05

b. List and cross reference all water wells located on or within 500 feet of the disposal site, wastewater ponds, or property boundaries in the following table. Attach additional pages as necessary to include all of the wells.

Well and Map Information Table

Well ID	Well Use	Producing? Y/N/U	Open, cased, capped, or plugged?	Proposed Best Management Practice
See attached				

Attachment: 06

c. Groundwater monitoring wells or lysimeters are/will be installed around the land application site or wastewater ponds.

☒ Yes ☐ No

If **yes,** provide the existing/proposed location of the monitoring wells or lysimeters on the site map attached for Item 4.a. Additionally, attach information on the depth of the wells or lysimeters, sampling schedule, and monitoring parameters for TCEQ review, possible modification, and approval.

Attachment: 07

d. Attach a short groundwater technical report using *30 TAC § 309.20(a)(4)* as guidance.
Attachment:

Item 5. Soil Map and Soil Information (Instructions, Page 71)

Check each box to confirm that the following information is attached:

a. ☒ USDA NRCS Soil Survey Map depicting the area to be used for land application with the locations identified by fields and crops.

b. ☒ Breakdown of acreage and percent of total acreage for each soil type.

c. ☒ Copies of laboratory soil analyses. **Attachment:** 9

Item 6. Effluent Monitoring Data (Instructions, Page 72)

a. Completion of Table 14 **is required** for all **renewal** and **major amendment** applications. Complete the table with monitoring data for the previous two years for all parameters regulated in the current permit. An additional table has been provided with blank headers for parameters regulated in the current permit which are not listed in Table 14.

Table 14 for Outfall No.: 01 Samples are (check one): ☐ Composite ☒ Grab

Date (mo/yr)	Daily Avg Flow (gpd)	BOD5 (mg/L)	TSS (mg/L)	Nitrogen (mg/L)	Conductivity (mmhos/cm)	Total acres irrigated	Hydraulic Application rate (acre-feet/month)
01/23	17,229	266	NM	67.27	NM	30	0.0599
02/23	17,810	212	NM	68.4	NM	30	0.0619
03/23	18.877	133	NM	43.5	NM	30	0.0657
04/23	19,195	817	NM	119.2	NM	30	0.0668
05/23	18,454	210	NM	192.0	NM	30	0.0642
06/23	16,021	297	NM	97.3	NM	30	0.0557
07/23	19,617	252	NM	93.2	NM	30	0.0682
08/23	25,125	263	NM	49.3	NM	30	0.0874
09/23	24,062	177	NM	34.7	NM	30	0.0837
10/23	20,593	349	NM	29.4	NM	30	0.0716
11/23	19,307	488	NM	64.2	NM	30	0.0672
12/23	18,271	106	NM	61.8	NM	30	0.0635
01/24	13,669	314	NM	46.7	NM	30	0.0475
02/24	19,451	278	NM	106.0	NM	30	0.0677
03/24	16,935	133	NM	43.5	NM	30	0.0589
04/24	20,857	800	NM	203	NM	30	0.0725
05/24	14,314	133	NM	165.8	NM	30	0.0498
06/24	33,026	684	NM	109.7	NM	30	0.1149
07/24	20,229	<600	NM	79.3	NM	30	0.0704
08/24	23,897	137	NM	18.2	NM	30	0.0831
09/24	27,466	77.3	NM	13.0	NM	30	0.0955

Date (mo/yr)	Daily Avg Flow (gpd)	BOD5 (mg/L)	TSS (mg/L)	Nitrogen (mg/L)	Conductivity (mmhos/cm)	Total acres irrigated	Hydraulic Application rate (acre-feet/month)
10/24	23,850	176	NM	72.8	NM	30	0.0830
11/24	25,536	229	NM	39.5	NM	30	0.0888
12/24	20,366	220	NM	20.6	NM	30	0.0708

b. Use this table to provide effluent analysis for parameters regulated in the current permit which are not listed in Table 14.

Additional Parameter Effluent Analysis

Date (mo/yr)	Oil+Grease	pH
01/23	2.42	7.65
02/23	NM	NM
03/23	NM	NM
04/23	5.89	7.89
05/23	NM	NM
06/23	NM	NM
07/23	<1.65	8.16
08/23	NM	NM
09/23	NM	NM
10/23	2.12	NM
11/23	NM	NM
12/23	NM	NM
01/24	3.41	7.65
02/24	NM	NM
03/24	NM	NM
04/24	56.1	7.14
05/24	NM	NM
06/24	NM	NM
07/24	<1.85	7.52
08/24	NM	NM
09/24	NM	NM
10/24	3.00	6.87
11/24	NM	NM
12/24	NM	NM

c. Attach an explanation of all persistent excursions to permitted parameters and corrective actions taken. **Attachment:** N/A

Item 7. Pollutant Analysis (Instructions, Page 72)

a. Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): 10/01/2024-01/07/2025

b. ☒ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.

c. Complete Tables 15 and 16.

Table 15 for Outfall No.: 01 Samples are (check one): ☐ Composite ☒ Grab

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
BOD (5-day)	176	229	220	257
CBOD (5-day)				
Chemical oxygen demand				
Total organic carbon				
Dissolved oxygen				
Ammonia nitrogen				
Total suspended solids				
Nitrate nitrogen	<0.196	<0.196	<0.0196	0.846
Total organic nitrogen				
Total phosphorus				
Oil and grease	3.00			4.10
Total residual chlorine				
Total dissolved solids				
Sulfate				
Chloride				
Fluoride				
Total alkalinity (mg/L as CaCO3)				
Temperature (°F)				
pH (standard units)	6.87			7.47

Table 16 for Outfall No.: 01 Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total					2.5
Antimony, total					5
Arsenic, total					0.5
Barium, total					3

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Beryllium, total					0.5
Cadmium, total					1
Chromium, total					3
Chromium, hexavalent					3
Chromium, trivalent					N/A
Copper, total					2
Cyanide, available					2/10
Lead, total					0.5
Mercury, total					0.005/0.0005
Nickel, total					2
Selenium, total					5
Silver, total					0.5
Thallium, total					0.5
Zinc, total					5.0

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 3.1: SURFACE LAND APPLICATION AND APPLICATION

This worksheet **is required** for all applications for a permit to disposal of wastewater by surface land application or evaporation.

Item 1. Edwards Aquifer (Instructions, Page 73)

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

☐ Yes ☒ No

If **no**, proceed to Item 2. If **yes**, complete Items 1.b **and** 1.c.

b. Check the box next to the subchapter applicable to the facility.

☐ 30 TAC Chapter 213, Subchapter A

☐ 30 TAC Chapter 213, Subchapter B

c. If *30 TAC Chapter 213, Subchapter A* applies, attach **either**: 1) a Geologic Assessment (if conducted in accordance with *30 TAC § 213.5*) **or** 2) a report that contains the following:

- A description of the surface geological units within the proposed land application site and wastewater pond area.
- The location and extent of any sensitive recharge features in the land application site and wastewater pond area
- A list of any proposed BMPs to protect the recharge features.

Attachment: N/A

Item 2. Surface Spray/Irrigation (Instructions, Page 73)

a. Provide the following information on the irrigation operations:

Area under irrigation (acres): 30

Design application rate (acre-ft/acre/yr): 0.80

Design application frequency (hours/day): 2 - 5

Design application frequency (days/week): 2-3 days/week

Design total nitrogen loading rate (lbs nitrogen/acre/year): 180

Average slope of the application area (percent): 0-1

Maximum slope of the application area (percent): 1-3

Irrigation efficiency (percent): N/A

Effluent conductivity (mmhos/cm): N/A

Soil conductivity (mmhos/cm): N/A

Curve number: 75

Describe the application method and equipment: Irrigation via center pivot, pulse sprinklers

b. Attach a detailed engineering report which includes a water balance, storage volume calculations, and a nitrogen balance. **Attachment:** 10

Item 3. Evaporation Ponds (Instructions, Page 74)

a. Daily average effluent flow into ponds: N/A gallons per day

b. Attach a separate engineering report of evaporation calculations for average long-term and worst-case critical conditions. **Attachment:** N/A

Item 4. Evapotranspiration Beds (Instructions, Page 74)

a. Provide the following information on the evapotranspiration beds:

Number of beds: N/A

Area of bed(s) (acres): N/A

Depth of bed(s) (feet): N/A

Void ratio of soil in the beds: N/A

Storage volume within the beds (include units): N/A

Description of any lining to protect groundwater: N/A

b. Attach a certification by a licensed Texas professional engineer that the liner meets TCEQ requirements. **Attachment:** N/A

c. Attach a separate engineering report with water balance, storage volume calculations, and description of the liner. **Attachment:** N/A

Item 5. Overland Flow (Instructions, Page 74)

a. Provide the following information on the overland flow:

Area used for application (acres): N/A

Slopes for application area (percent): N/A

Design application rate (gpm/foot of slope width): N/A

Slope length (feet): N/A

Design BOD5 loading rate (lbs BOD5/acre/day): N/A

Design application frequency (hours/day): N/A

Design application frequency (days/week): N/A

b. Attach a separate engineering report with the method of application and design requirements according to *30 TAC § 217.212*. **Attachment:** N/A

AREA LOCATION MAP

SHEET NAME:
AREA LOCATION MAP
FIGURE 2

No.	DATE	REVISIONS
		DRAWN BY: WGM JOB No. 24017

THIS DOCUMENT IS RELEASED FOR REVIEW PURPOSES ONLY UNDER THE AUTHORITY OF WESTIN G. McCOWEN, P.E. No. 140309 ON OCTOBER 24, 2024.

PRATERS FOODS
2206 114TH STREET
LUBBOCK, TEXAS 79423

DIAKONOS ENGINEERING
Diakonos Engineering, LLC
6502 Slide Road, Suite 206
Lubbock, TX 79424
Phone: 806-474-9693
DiakonosEngineering.com
TBPE Firm # F- 29904

ECRM PROJECT # 22001

LEGEND

- 332 – EXISTING TOPOGRAPHIC CONTOURS FROM THE CITY OF LUBBOCK
- – APPROXIMATE PROPERTY LINE (FOR REFERENCE ONLY)
- – EXISTING FENCE
- WASTE – EXISTING WASTEWATER LINE
- – EXISTING EDGE OF BUILDING
- – EXISTING ASPHALT PAVING
- – EXISTING CONCRETE PAVING
- – EXISTING GRAVEL/CALICHE PAVING
- – APPROXIMATE WATER SURFACE
- – EXISTING POND LINER
- – EXISTING TREE

109TH STREET

110TH STREET

111TH STREET

112TH STREET

114TH STREET

IRRIGATION SPRINKLERS

IRRIGATION CENTER PIVOT

WASTEWATER TREATMENT PLANT

Pumphouse

Catfish Pd

Grease Traps

Computer

WASTE

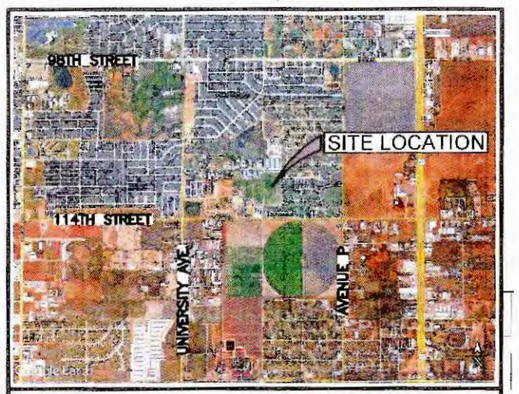
WASTE

PRATERS FOODS

PARKING LOT

ON-SITE SANITARY SEWER (SEPTIC TANK AND LEACH FIELD) FOR HUMAN WASTE ONLY. SYSTEM SEPARATE FROM WASTE WATER TREATMENT FOR FOOD PRODUCTION.

3192 3193 3194 3195 3196 3197 3198 3199 3200 3201 3202 3203 3204 3205 3206 3207 3208 3209



VICINITY MAP

NOT TO SCALE

SITE MAP

SCALE: 0 100' 200' 400'

DIAKONOS ENGINEERING

Diakonos Engineering, LLC
6405 Slide Road, Suite 200
Lubbock, TX 79424

Phone 806-474-9263
DiakonosEngineering.com
TBPE Firm # / 20614

PRATERS FOODS
2206 114TH STREET
LUBBOCK, TEXAS 79423

THIS DOCUMENT IS RELEASED FOR REVIEW PURPOSES ONLY UNDER THE AUTHORITY OF WESTIN G. McCOWEN, P.E. No. 140309 ON OCTOBER 24, 2024.

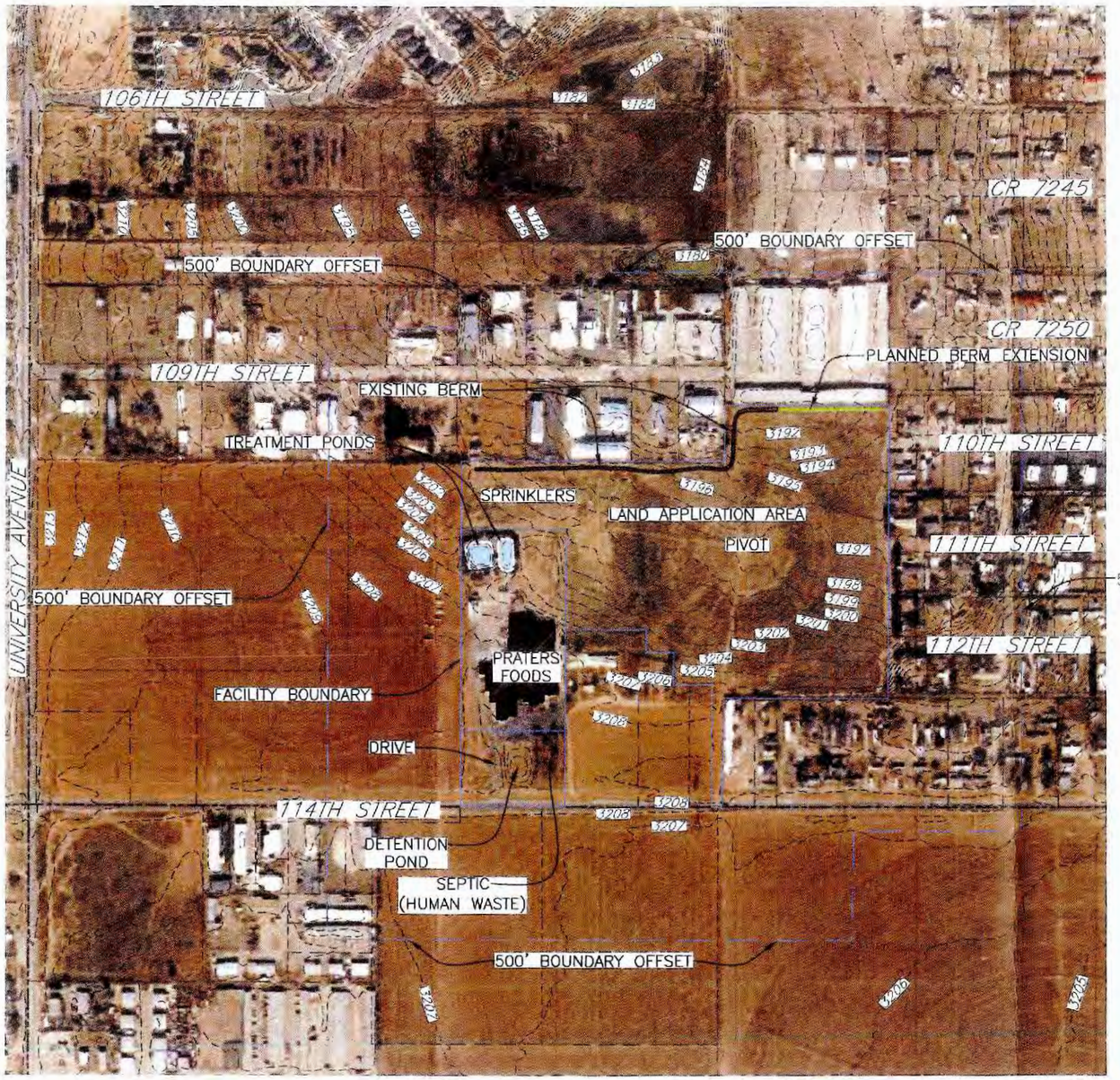
No.	DATE	REVISIONS

DRAWN BY: WGM
JOB No. 24017

SHEET NAME: SITE MAP

FIGURE 1

ECRM PROJECT # 22001



LEGEND

--- 332/--- – EXISTING TOPOGRAPHIC CONTOURS FROM THE CITY OF LUBBOCK LIDAR

– APPROXIMATE PROPERTY LINE (FOR REFERENCE ONLY)

SCALE:

0 250' 500' 1000'

DIAKONOS ENGINEERING

Diakonos Engineering, LLC
8502 Slide Road, Suite 208
Lubbock, TX 79424
Phone 806-474-0855
DiakonosEngineering.com
TBPE F rm # - 26034

PRATERS FOODS
2206 114TH STREET
LUBBOCK, TEXAS 79423

THIS DOCUMENT IS RELEASED FOR REVIEW PURPOSES ONLY UNDER THE AUTHORITY OF WESTIN G. McCOWEN, P.E. No. 140309 ON FEBRUARY 20, 2025.

No.	DATE	REVISIONS

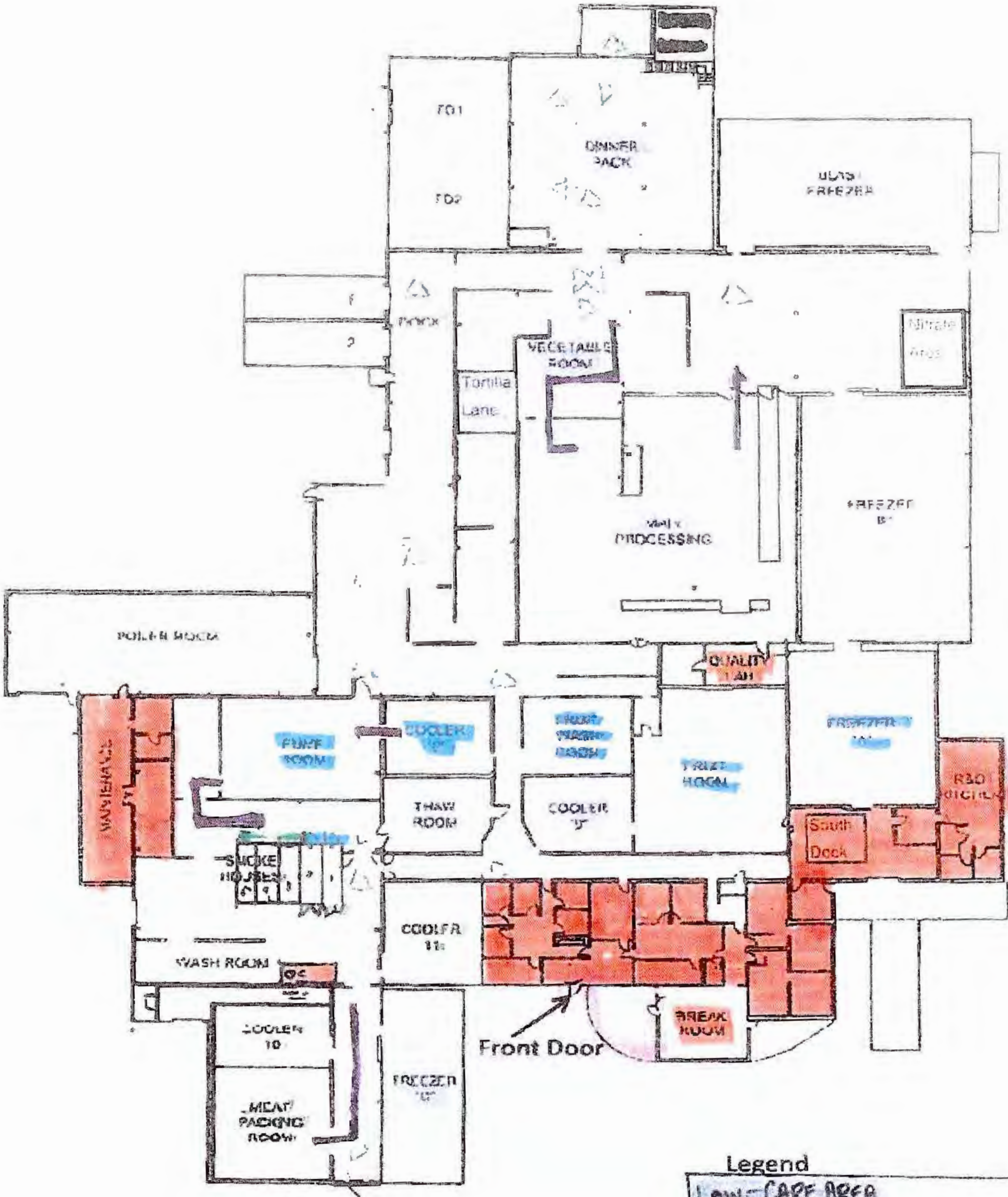
DRAWN BY: WGM
JOB No. 24017

SHEET NAME: AREA MAP

FIGURE 4

ECRM PROJECT # 22001

Pravera 2014



Legend

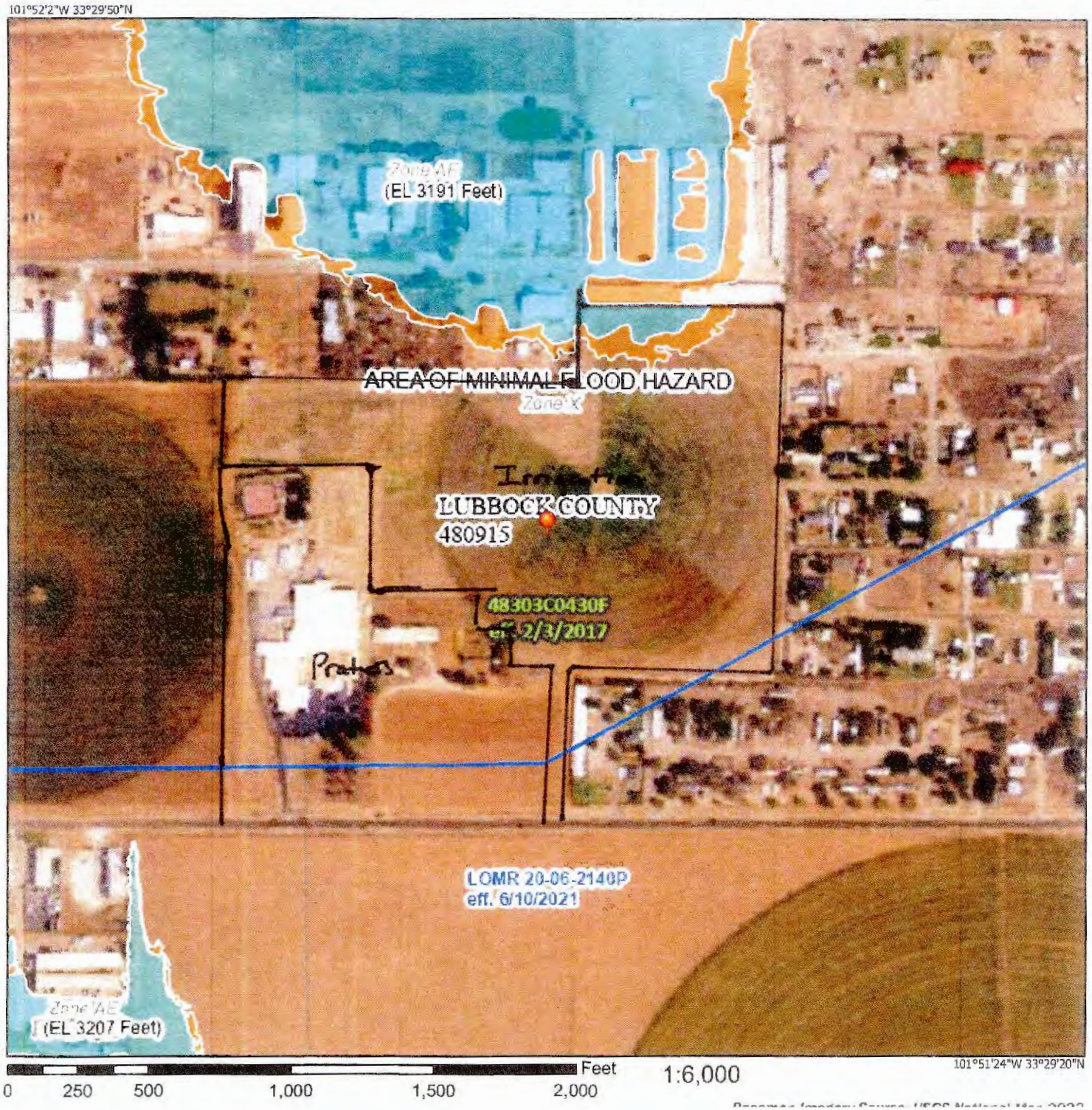
LOW-CARE AREA
HIGH-CARE AREA
LOW-RISK AREA
MAIN-ENTRANCE
PROCESS FLOW
WASTE
OFFICES/EMPLOYEE BREAK AREAS/ STORAGE/SUPPLIES
AREAS NOT-IN-USE/UNDER CONVERSION

NOTE: NO HIGH-RISK AREAS

verified by: Dianne Riedel
7/15/2014

National Flood Hazard Layer FIRMette

FEMA



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE)
- With BFE or Depth
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Flood Risk due to Levee. See Notes.
- Area with Flood Risk due to Levee

OTHER AREAS
- NO SCREEN — Area of Minimal Flood Hazard
- Effective LOMRs
- Area of Undetermined Flood Hazard

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 — Cross Sections with 1% Annual Chance
- 17.5 — Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

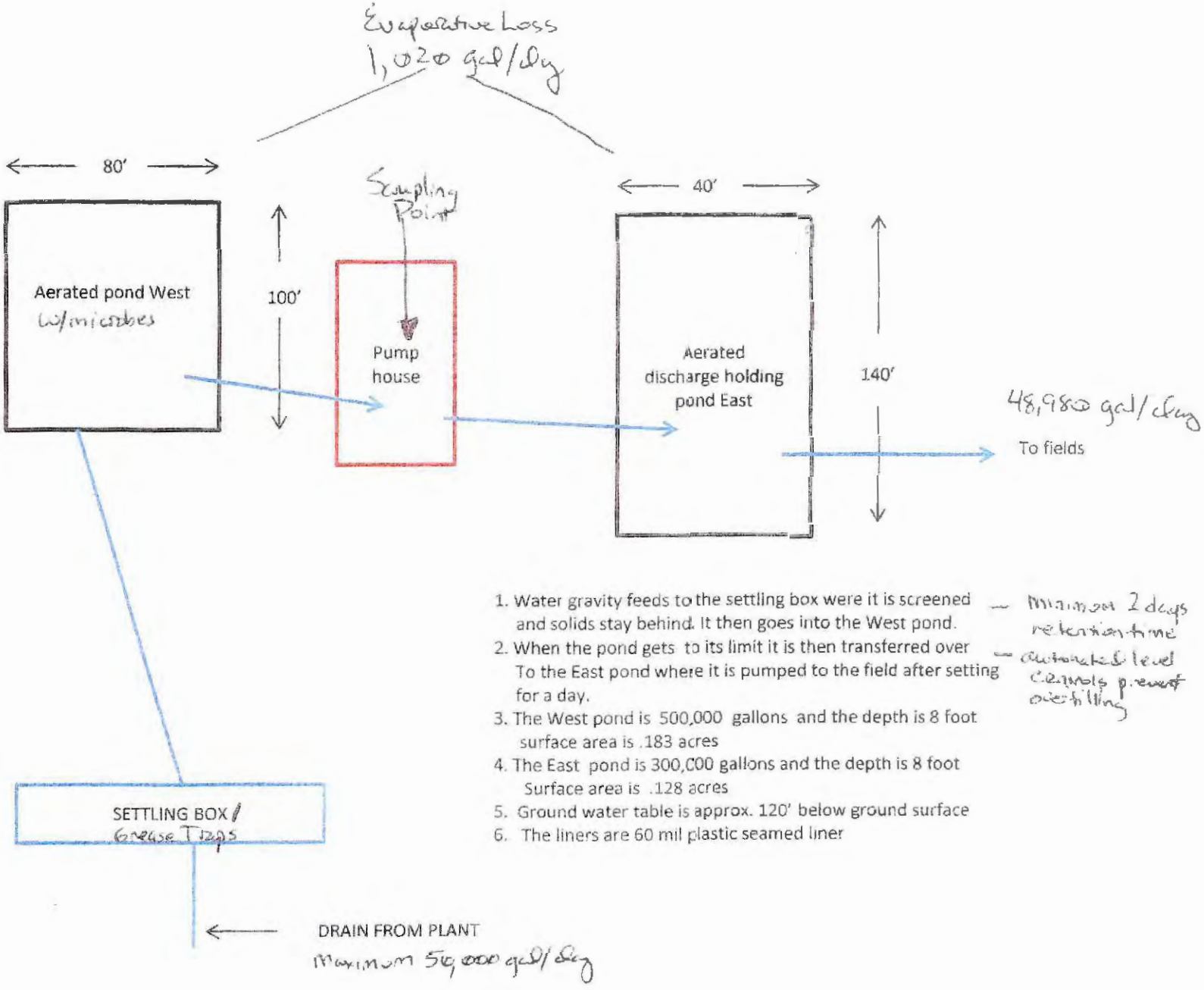
N

The pin displayed on the map is an approximate point selected by the user and does not represen an authoritative property location.

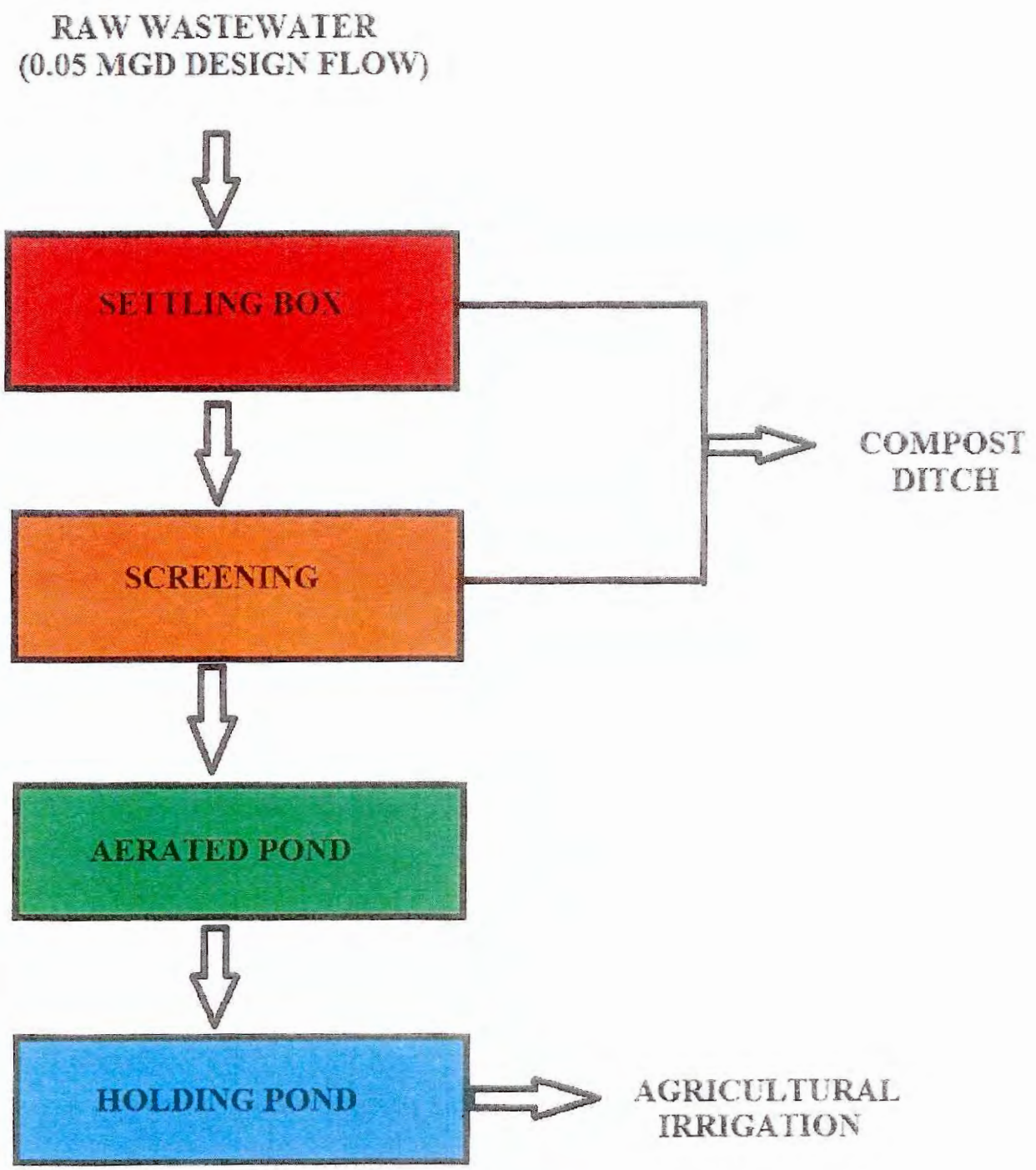
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/18/2025 at 9:17 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



1. Water gravity feeds to the settling box were it is screened and solids stay behind. It then goes into the West pond. — Maximum 2 days retention time
2. When the pond gets to its limit it is then transferred over To the East pond where it is pumped to the field after setting for a day. — automatic level controls prevent overfilling
3. The West pond is 500,000 gallons and the depth is 8 foot surface area is .183 acres
4. The East pond is 300,000 gallons and the depth is 8 foot Surface area is .128 acres
5. Ground water table is approx. 120' below ground surface
6. The liners are 60 mil plastic seamed liner


RAW WASTEWATER
(0.05 MGD DESIGN FLOW)
SETTLING BOX
SCREENING
COMPOST
DITCH
AERATED POND
HOLDING POND
AGRICULTURAL
IRRIGATION

Annual Cropping Plan
Praters, WQ0004440000

Praters Foods utilizes the following crop(s) in its WWTP land application area:

Type of Crops:	Coastal Bermudagrass (Cynodon dactylon)
Crop Acreage:	30 acres
Irrigated Acreage:	30 acres
Season(s):	Year round
Growing Season(s):	Warm
Harvest Method:	Mowing
# of Harvests per Yr:	2 - 6
Mowing Height:	Min. 4 inches; Max. 6 inches
Anticipated/Actual Crop Yields per Yr:	60-300
Nitrogen requirements:	400 lbs/acre/year
Additional fertilizer:	None
Supplement Water:	None
Salt tolerances:	? mmhos/cm
Non-removal of Native Vegetation:	Not applicable

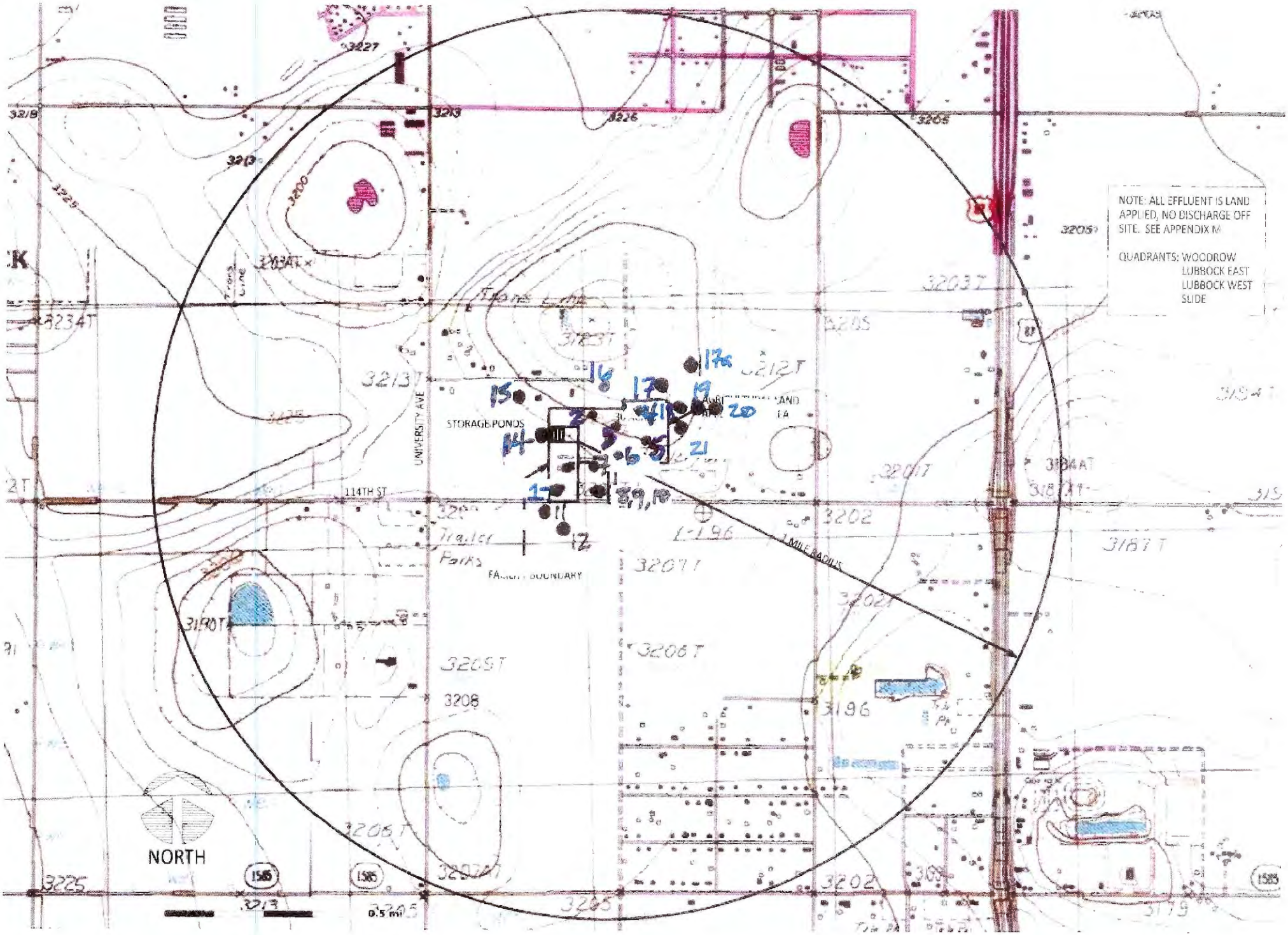
ATTACHMENT 5

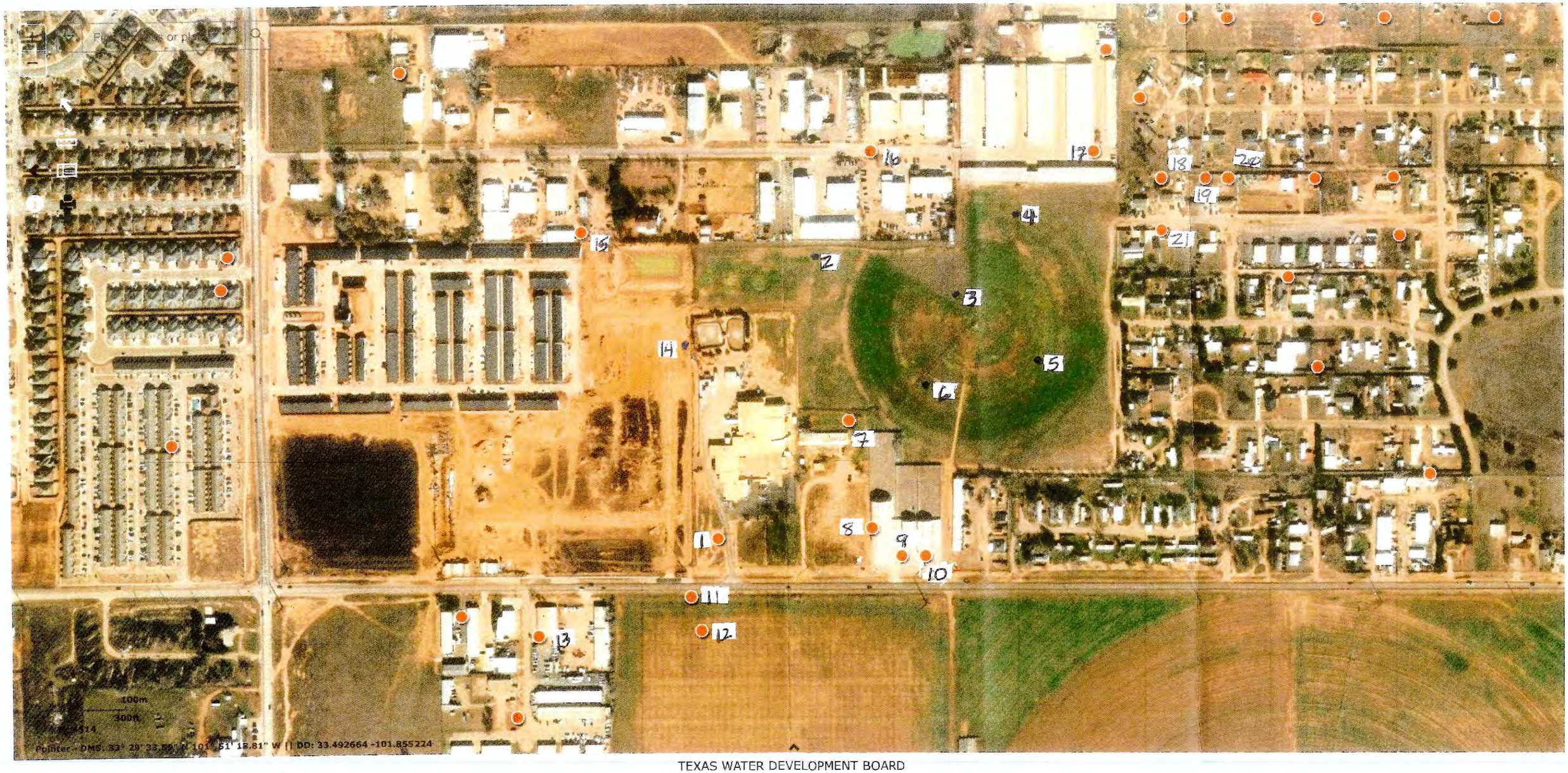
Well and Map Information Table

Praters Foods

2206 114th Street, Lubbock, Texas 79423

Well ID	Well Use	Producing? (Y/N/U)	Open, cased, capped, or plugged?	Proposed Best Management Practice
ONSITE				
1	Domestic	Y	Cased	Upgradient; Locked cover
2	Production	Y	Cased	Upgradient; Locked cover
3	Production	Y	Cased	Upgradient; Locked cover
4	Unused	N	Cased	Upgradient; Locked cover
5	Unused	N	Cased	Upgradient; Locked cover
6	Unused	N	Cased	Upgradient; Locked cover
OFFSITE				
7	Domestic	Y	Cased	Upgradient; Covered
8	Domestic	Y	Cased	Cross-gradient; Buffer
9	Domestic	Y	Cased	Cross-gradient; Buffer
10	Domestic	Y	Cased	Cross-gradient; Buffer
11	Domestic	Y	Cased	Cross-gradient; None needed
12	Domestic	Y	Cased	Cross-gradient; None needed
13	Domestic	Y	Cased	Cross-gradient; None needed
14	Irrigation	N	Cased	Up-gradient; None needed (WWTP ponds are lined)
15	Domestic	Y	Cased	Up-gradient; None due to distance/ direction
16	Domestic	Y	Cased	Up-gradient; None due to distance/ direction
17	Domestic	Y	Cased	Cross-gradient; Berm along perimeter of land application field to contain runoff
18	Domestic	Y	Cased	Cross-gradient; Berm along perimeter of land application field to contain runoff
19	Domestic	Y	Cased	Cross-gradient; Berm along perimeter of land application field to contain runoff
20	Domestic	Y	Cased	Cross-gradient; Berm along perimeter of land application field to contain runoff
21	Domestic	Y	Cased	Cross-gradient; Berm along perimeter of land application field to contain runoff


NOTE: ALL EFFLUENT IS LAND APPLIED, NO DISCHARGE OFF SITE. SEE APPENDIX M
QUADRANTS: WOODROW
LUBBOCK EAST
LUBBOCK WEST
SLIDE
STORAGE PONDS
UNIVERSITY AVE
114TH ST
Trailer Parks
FACILITY BOUNDARY
1 MILE RADIUS
NORTH
0.5 mi



TEXAS WATER DEVELOPMENT BOARD

STATE OF TEXAS WELL REPORT for Tracking #513412

Owner:	**Praters Foods**	Owner Well #:	**No Data**
Address:	**2206 114th St Lubbock, TX 79423**	Grid #:	**23-34-1**
Well Location:	**2206 114th St Lubbock, TX 79423**	Latitude:	**33° 29' 28.61" N**
		Longitude:	**101° 51' 52.93" W**
Well County:	**Lubbock**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Public Supply**

Drilling Start Date: **4/12/2019** Drilling End Date: **4/18/2019**

Plans Approved by TCEQ - YES
PWS# 1520236

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**9.875**	**0**	**136**

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**85**	**136**	**Gravel**	**8/16**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**85**	**Cement**

Seal Method: **Positive Displacement**

Sealed By: **Driller**

Distance to Property Line (ft.): **165**

Distance to Septic Field or other concentrated contamination (ft.): **250+**

Distance to Septic Tank (ft.): **250+**

Method of Verification: **Owner**

Surface Completion: **Surface Slab Installed** **Surface Completion by Driller**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **Submersible**

Well Tests: **No Test Data Specified**

	Strata Depth (ft.)	Water Type
Water Quality:	No Data	Fresh

Chemical Analysis Made: Yes

Did the driller knowingly penetrate any strata which contained injurious constituents?: No

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Thunder Well Service, LLC**

PO Box 1432
Shallowater, TX 79363

Driller Name: **Silas Jones** License Number: **58804**

Comments: **No Data**

Report Amended on 9/12/2022 by Request #37452

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	3	Top Soil
3	4	Brown Sandy Clay
4	8	Caliche
8	45	Brown and Tan Sandstone
45	47	Brown and Tan Sandstone with Rock
47	54	White Rock
54	116	Brown and Tan Sandstone
116	121	Sandy Brown Clay
121	128	Sand and Gravel
128	132	Brown Sandy Clay
132	134	Yellow Clay
134	136	Blue Clay

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
5	Blank	New Plastic (PVC)		0	96
5	Perforated or Slotted	New Plastic (PVC)	0.035	96	136

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking Number on your written request.

Texas Department of Licensing and Regulation
P.O. Box 12157
Austin, TX 78711
(512) 334-5540

23-34-1

Send original copy by certified return receipt requested to TNRCC, MC 177, P.O. Box 13087, Austin, TX 78711-30

ATTENTION OWNER: *Confidentiality Privilege Notice on on reverse side of Well Owner's copy (pink)*

State of Texas
WELL REPORT 2 well

Texas Water Well Drillers Advisory Council
MC 177
P.O. Box 13087
Austin, TX 78711-3087
512-239-0530

1) OWNER Charlie Prater (Name) ADDRESS 1114th Sunset (Street or RFD) Lubbock (City) TX (State) 79423 (Zip)

2) ADDRESS OF WELL: County Lubbock (Street, RFD or other) Same (City) (State) (Zip) GRID # N 33-29-40-1 W 101-51-41-5

3) TYPE OF WORK (Check): ☑ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☐ Monitor ☐ Environmental Soil Boring ☑ Domestic ☐ Industrial ☐ Irrigation ☐ Injection ☐ Public Supply ☐ De-watering ☐ Testwell
If Public Supply well, were plans submitted to the TNRCC? ☐ Yes ☐ No

5) 23-34-1 (+) N

6) WELL LOG:
Date Drilling: Started 6/24/1997 Completed 6/24/1997

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
9 7/8	Surface	
	1	130

7) DRILLING METHOD (Check): ☐ Driven ☐ Air Rotary ☑ Mud Rotary ☐ Bored ☐ Air Hammer ☐ Cable Tool ☐ Jetted ☐ Other

From (ft.)	To (ft.)	Description and color of formation material
1	3	dirt
3	22	Brown clay
22	65	Brown shale
65	77	Brown rock
77	101	Brown shale & clay
101	116	gravel yellow clay
116	130	yellow clay

(Use reverse side of Well Owner's copy, if necessary)

8) Borehole Completion (Check): ☐ Open Hole ☑ Straight Wall ☐ Underreamed ☑ Gravel Packed ☐ Other
If Gravel Packed give interval ... from 130 ft. to 20 ft.

CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casting Screen
6	N	plastic	1	130	160
		perf 100 to 130			

9) CEMENTING DATA [Rule 338.44(1)]
Cemented from 20 ft. to 1 ft. No. of sacks used 20
ft. to ft. No. of sacks used
Method used Sandy gravel
Cemented by Courtney Woehl
Distance to septic system field lines or other concentrated contamination ft.
Method of verification of above distance NA

10) SURFACE COMPLETION
☑ Specified Surface Slab Installed [Rule 338.44(2)(A)]
☐ Specified Steel Sleeve Installed [Rule 338.44(3)(A)]
☐ Pitless Adapter Used [Rule 338.44(3)(b)]
☐ Approved Alternative Procedure Used [Rule 338.44(6)]
RECEIVED JUL 21 1997 GROUNDWATER CONSERVATION DISTRICT

11) WATER LEVEL:
Static level 60 ft. below land surface Date 6/24/97
Artesian flow NA gpm Date 6/24/97

12) PACKERS: Type NA Depth

13) TYPE PUMP:
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder ☐ Other NA
Depth to pump bowls, cylinder, jet, etc., ft.

14) WELL TESTS:
Type test: ☐ Pump ☐ Bailer ☐ Jetted ☑ Estimated
Yield: 40 gpm with no ft. drawdown after 2 hrs.

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable constituents?
☐ Yes ☑ No If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? NA Depth of strata NA
Was a chemical analysis made? ☐ Yes ☑ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Woehl Drilling 2 (Type or print) WELL DRILLER'S LICENSE NO. 4900 W

ADDRESS 11854 Fm Hwy 2166 (Street or RFD) San Angelo (City) TX (State) 76904 (Zip)

(Signed) Courtney Woehl (Licensed Well Driller) (Signed) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

TNRCC-0199 (Rev. 05-21-96) White - TNRCC Yellow - DRILLER Pink - WELL OWNER

Send original copy by certified return receipt requested m: TNRCC, MC 177, P.O. Box 13087, Austin, TX 78711-30f

23-34-1

ATTENTION OWNER: *Confidentiality Privilege Notice on on reverse side of Well Owner's copy (pink)*

State of Texas WELL REPORT

3well

Texas Water Well Drillers Advisory Council
MC 177
P.O. Box 13087
Austin, TX 78711-3087
512-239-0530

1) OWNER Charlie Prater (Name) ADDRESS 114th S University Lubbock TX 79423 (Street or RFD) (City) (State) (Zip)

2) ADDRESS OF WELL: County Lubbock (Street, RFD or other) Same (City) (State) (Zip) GRID #

3) TYPE OF WORK (Check): ☑ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☐ Monitor ☐ Environmental Soil Boring ☑ Domestic ☐ Industrial ☐ Irrigation ☐ Injection ☐ Public Supply ☐ De-watering ☐ Testwell
If Public Supply well, were plans submitted to the TNRCC? ☐ Yes ☐ No

5) 23-34-1
N 33-29-25-?
W 101-52-04-?

6) WELL LOG:
Date Drilling: Started 6/25/1997 Completed 6/25/1997

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
9 7/8	Surface	
	1	130

7) DRILLING METHOD (Check): ☐ Driven ☑ Mud Rotary ☐ Bored ☐ Air Rotary ☐ Air Hammer ☐ Cable Tool ☐ Jetted ☐ Other

From (ft.)	To (ft.)	Description and color of formation material
1	4	Sand
4	30	Brown clay
30	50	Brown Rock
50	63	Brown shale
63	110	Brown Sand rock
110	125	gravel & yellowlime
125	130	yellow clay

(Use reverse side of Well Owner's copy, if necessary)

8) Borehole Completion (Check): ☐ Open Hole ☐ Straight Wall ☐ Underreamed ☑ Gravel Packed ☐ Other
If Gravel Packed give interval ... from 130 ft. to 25 ft.

CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casting Screen
6	N	plastic	130	[redacted]	160
		perf 100 to 130			

9) CEMENTING DATA [Rule 338.44(1)]
Cemented from 25 ft. to 1 ft. No. of sacks used 30
ft. to ft. No. of sacks used
Method used Sandy gravel
Cemented by Courtney Wuehl
Distance to septic system field lines or other concentrated contamination ft.
Method of verification of above distance NA

10) SURFACE COMPLETION
☑ Specified Surface Slab Installed [Rule 338.44(2)(A)]
☐ Specified Steel Sleeve Installed [Rule 338.44(3)(A)]
☐ Pitless Adapter Used [Rule 338.44(3)(b)]
☐ Approved Alternative Procedure Used [Rule 338.71]

RECEIVED
JUL 21 1997
TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

11) WATER LEVEL:
Static level 100 ft. below land surface Date 6/25/97
Artesian flow 30 gpm Date 6/25/97

12) PACKERS: Type Depth
NA

13) TYPE PUMP:
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder ☐ Other NA
Depth to pump bowls, cylinder, jet, etc., ft.

14) WELL TESTS:
Type test: ☐ Pump ☐ Bailer ☐ Jetted ☑ Estimated
Yield: 30 gpm with ne ft. drawdown after 2 hrs.

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable constituents?
☐ Yes ☑ No If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? NA Depth of strata NA
Was a chemical analysis made? ☐ Yes ☑ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Wuehl Drilling 2 (Type or print) WELL DRILLER'S LICENSE NO. 4900 w

ADDRESS 11854 Fm Hwy 2166 San Angelo TX 76904 (Street or RFD) (City) (State) (Zip)

(Signed) Courtney Wuehl (Licensed Well Driller) (Signed) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

TNRCC-0199 (Rev. 05-21-96) White - TNRCC Yellow - DRILLER Pink - WELL OWNER

4 Send original copy by certified return receipt requested m TNRCC, MC 177, P.O. Box 13087, Austin, TX 78711-30

ATTENTION OWNER: *Confidentiality Privilege Notice on on reverse side of Well Owner's copy (pink)*

State of Texas WELL REPORT

1 well

Texas Water Well Drillers Advisory Council
MC 177
P.O. Box 13087
Austin, TX 78711-3087
512-239-0530

1) OWNER Charlie Prater (Name) ADDRESS 1144th University (Street or RFD) Lubbock (City) Tx (State) 79423 (Zip)

2) ADDRESS OF WELL: County Lubbock (Street, RFD or other) Same (City) 23-34-1 (State) (Zip) GRID # N-33-29-34-1 W-101-51-35-3

3) TYPE OF WORK (Check): ☑ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☐ Monitor ☐ Environmental Soil Boring ☑ Domestic ☐ Industrial ☐ Irrigation ☐ Injection ☐ Public Supply ☐ De-watering ☐ Testwell
If Public Supply well, were plans submitted to the TNRCC? ☐ Yes ☐ No

5) A

6) WELL LOG:
Date Drilling: Started 12/12/1997 Completed 12/12/1997

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
9 7/8	Surface	
	1	140

7) DRILLING METHOD (Check): ☐ Driven ☐ Air Rotary ☑ Mud Rotary ☐ Bored ☐ Air Hammer ☐ Cable Tool ☐ Jetted ☐ Other N/A

N

From (ft.)	To (ft.)	Description and color of formation material
1	4	dirt
4	35	cliche
35	85	Brown Shale
85	101	Brown clay
101	110	Brown Sand
110	121	gravel
121	140	yellow clay

(Use reverse side of Well Owner's copy, if necessary)

8) Borehole Completion (Check): ☐ Open Hole ☐ Straight Wall ☐ Underreamed ☑ Gravel Packed ☐ Other N/A
If Gravel Packed give interval ... from 30 ft. to 140 ft.

CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casting Screen
6	N	plastic	1	140	160
		perf 100 to 140			

9) CEMENTING DATA [Rule 338.44(1)]
Cemented from 1 ft. to 30 ft. No. of sacks used 25
ft. to ft. No. of sacks used
Method used Sandy gravel
Cemented by Courtney Wuehl
Distance to septic system field lines or other concentrated contamination NA ft.
Method of verification of above distance NA

FILE ID SEQ #

10) SURFACE COMPLETION:
☐ Specified Surface Slab Installed [Rule 338.44(2)(A)]
☑ Specified Steel Sleeve Installed [Rule 338.44(3)(A)]
☐ Pitless Adapter Used [Rule 338.44(3)(B)]
☐ Approved Alternative Procedure Used [Rule 338.71]

EMP # DESC CD APR 20 1998

11) WATER LEVEL:
Static level 100 ft. below land surface Date 12/12/97
Artesian flow 40 gpm. Date 12/12/97

12) PACKERS: Type Depth
NA

13) TYPE PUMP:
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other NA
Depth to pump bowls, cylinder, jet, etc.. NA

14) WELL TESTS:
Type test: ☐ Pump ☐ Bailer ☐ Jetted ☑ Estimated
Yield: 40 gpm with no ft. drawdown after 2 hrs.

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable constituents?
☐ Yes ☑ No If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? NA Depth of strata NA
Was a chemical analysis made? ☐ Yes ☑ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Wuehl Drilling 2 # (Type or print) WELL DRILLER'S LICENSE NO. 490dw

ADDRESS 11854 Fm Hwy 2166 (Street or RFD) San Angelo (City) (State) 76904 (Zip)

EMP # DESC CD JAN 07 1998

(Signed) Courtney Wuehl (Licensed Well Driller) (Signed) (Registered Driller Trainee)

COMMENT

Please attach electric log, chemical analysis, and other pertinent information, if available.

TNRCC-0199 (Rev. 05-21-96) White - TNRCC Yellow - DRILLER Pink - WELL OWNER

Send original copy by certified return receipt requested r | TNRCC, MC 177, P.O. Box 13087, Austin, TX 78711-3f

ATTENTION OWNER: *Confidentiality Privilege Notice on on reverse side of Well Owner's copy (pink)*

State of Texas
WELL REPORT 2well

Texas Water Well Drillers Advisory Council
MC 177
P.O. Box 13087
Austin, TX 78711-3087
512-239-0530

1) OWNER Charlie Prater (Name) ADDRESS 1144th S University (Street or RFD) Lubbock (City) TX (State) 79423 (Zip)

2) ADDRESS OF WELL: County Lubbock (Street, RFD or other) Same (City) 23-34-1 (State) (Zip) GRID # N-33-27-40-1 W-101-51-34-2

3) TYPE OF WORK (Check): ☑ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☐ Monitor ☐ Environmental Soil Boring ☑ Domestic ☐ Industrial ☐ Irrigation ☐ Injection ☐ Public Supply ☐ De-watering ☐ Testwell
If Public Supply well, were plans submitted to the TNRCC? ☐ Yes ☐ No

5) ④ N

6) WELL LOG:
Date Drilling: Started 12/13/1997 Completed 12/13/1997

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
9 7/8	Surface	
	1	140

7) DRILLING METHOD (Check): ☐ Driven ☐ Air Rotary ☑ Mud Rotary ☐ Bored ☐ Air Hammer ☐ Cable Tool ☐ Jetted ☐ Other NA

From (ft.)	To (ft.)	Description and color of formation material
1	4	dirt
4	15	cliche
15	37	Brown shale
37	84	white lime & shale
84	90	Brown clay
90	110	Brown Sand
110	115	gravel
115	137	yellow clay
137	140	blue clay

(Use reverse side of Well Owner's copy, if necessary)

8) Borehole Completion (Check): ☐ Open Hole ☐ Straight Wall ☐ Underreamed ☑ Gravel Packed ☐ Other NA
If Gravel Packed give interval ... from 25 ft. to 140 ft.

CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
6	N	plastic	1	140	160
		perf 100 to 140			

9) CEMENTING DATA [Rule 338.44(1)]
Cemented from 1 ft. to 25 ft. No. of sacks used 27
ft. to ft. No. of sacks used
Method used Sandy gravel
Cemented by Courtney Wochl
Distance to septic system field lines or other concentrated contamination NA ft.
Method of verification of above distance NA

10) SURFACE COMPLETION
☑ Specified Surface Slab Installed [Rule 338.44(2)(A)]
☑ Specified Steel Sleeve Installed [Rule 338.44(3)(A)]
☐ Pitless Adapter Used [Rule 338.44(3)(B)]
☐ Approved Alternative Procedure Used [Rule 338.71]

FILE ID | SEQ # | EMP # | DESC CD | APR 22 1998 | COMMENT | WMS

11) WATER LEVEL:
Static level 100 ft. below land surface Date 12/13/97
Artesian flow 50 gpm. Date 12/13/97

12) PACKERS: Type Depth
NA

13) TYPE PUMP:
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other NA
Depth to pump bowls, cylinder, jet, etc., NA ft.

14) WELL TESTS:
Type test: ☐ Pump ☐ Bailer ☐ Jetted ☑ Estimated
Yield: 50 gpm with NA ft. drawdown after 2 hrs.

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable constituents?
☐ Yes ☑ No If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? NA Depth of strata NA
Was a chemical analysis made? ☐ Yes ☑ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Wochl Drilling 24 (Type or print) WELL DRILLER'S LICENSE NO. 2900W

ADDRESS 11854 fm Hwy 2166 (Street or RFD) San Antonio (City) TX (State) 78247 (Zip)

(Signed) Courtney J Wochl (Licensed Well Driller) (Signed) (Registered Driller Trainee)

SEQ | EMP # | DESC CD | 1 | COMMENT

Please attach electric log, chemical analysis, and other pertinent information, if available.

TNRCC-0199 (Rev. 05-21-96) White - TNRCC Yellow - DRILLER Pink - WELL OWNER

Send original copy by certified return receipt requested n TNRCC, MC 177, P.O. Box 13087, Austin, TX 78711-30

ATTENTION OWNER: *Confidentiality Privilege Notice on on reverse side of Well Owner's copy (pink)*

State of Texas
WELL REPORT 3 well

Texas Water Well Drillers Advisory Council
MC 177
P.O. Box 13087
Austin, TX 78711-3087
512-239-0530

1) OWNER Charlie Prater (Name) ADDRESS 114 th & University (Street or RFD) Lubbock (City) TX (State) 79423 (Zip)

2) ADDRESS OF WELL: County Lubbock Same (Street, RFD or other) (City) (State) (Zip) 23-34-1 GRID # N-33-29-40-3 W-101-51-38-1

3) TYPE OF WORK (Check): [x] New Well [ ] Deepening [ ] Reconditioning [ ] Plugging

4) PROPOSED USE (Check): [ ] Monitor [ ] Environmental Soil Boring [x] Domestic [ ] Industrial [ ] Irrigation [ ] Injection [ ] Public Supply [ ] De-watering [ ] Testwell
If Public Supply well, were plans submitted to the TNRCC? [ ] Yes [ ] No

5)

6) WELL LOG:
Date Drilling:
Started 12/14/1997
Completed 12/14/1997

DIAMETER OF HOLE

Dia. (in.)	From (ft.)	To (ft.)
9 7/8	Surface 1	140

7) DRILLING METHOD (Check): [ ] Driven [ ] Air Rotary [x] Mud Rotary [ ] Bored [ ] Air Hammer [ ] Cable Tool [ ] Jetted [ ] Other N/A

From (ft.)	To (ft.)	Description and color of formation material
1	3	dirt
3	21	cliche
21	74	Brown shale
74	90	Brown clay
90	110	Brown sand
110	125	sand & gravel
125	135	yellow clay
135	140	Blue clay

(Use reverse side of Well Owner's copy, if necessary)

8) Borehole Completion (Check): [ ] Open Hole [ ] Straight Wall [ ] Underreamed [x] Gravel Packed [ ] Other N/A
If Gravel Packed give interval ... from 20 ft. to 140 ft.

CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casting Screen
6	N	plastic	20	140	160
		perf 100 to 140			

9) CEMENTING DATA [Rule 338.44(1)]
Cemented from 1 ft. to 20 ft. No. of sacks used 22
ft. to ft. No. of sacks used
Method used Sandy gravel
Cemented by Coultrey Woehl
Distance to septic system field lines or other concentrated contamination N/A ft.
Method of verification of above distance NA

10) SURFACE COMPLETION
[ ] Specified Surface Slab Installed [Rule 338.44(2)(A)]
[x] Specified Steel Sleeve Installed [Rule 338.44(3)(A)]
[ ] Pitless Adapter Used [Rule 338.44(3)(b)]
[ ] Approved Alternative Procedure Used [Rule 338.71]

APR 22 1998

11) WATER LEVEL:
Static level 100 ft. below land surface Date 12/14/97
Artesian flow 47 gpm. Date 12/14/97

12) PACKERS: Type Depth
NA

13) TYPE PUMP:
[ ] Turbine [ ] Jet [ ] Submersible [ ] Cylinder
[ ] Other NA
Depth to pump bowls, cylinder, jet, etc., NA ft.

14) WELL TESTS:
Type test: [ ] Pump [ ] Bailer [ ] Jetted [ ] Estimated
Yield: 47 gpm with nc ft. drawdown after 2 hrs.

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable constituents?
[ ] Yes [x] No If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? NA Depth of strata NA
Was a chemical analysis made? [ ] Yes [x] No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Woehl Drilling 2 # (Type or print) WELL DRILLER'S LICENSE NO. 4900 W

ADDRESS 11854 Fm Hwy 2166 (Street or RFD) San Angelo (City) TX (State) 76904 (Zip)

(Signed) Courtney J Woehl (Licensed Well Driller) (Signed) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

TNRCC-0199 (Rev. 05-21-96)

White - TNRCC *Yellow - DRILLER* *Pink - WELL OWNER*

PMA [illegible] Matrix [illegible] Wells Completed [illegible] GPS Correction Deposit [illegible] Certified [illegible] Refunded
Plotted [illegible] Mainframe X Digital Dock Cabinet J Drawer 2

High Plains Underground Water Conservation District No. 1

Application For Water Well Permit

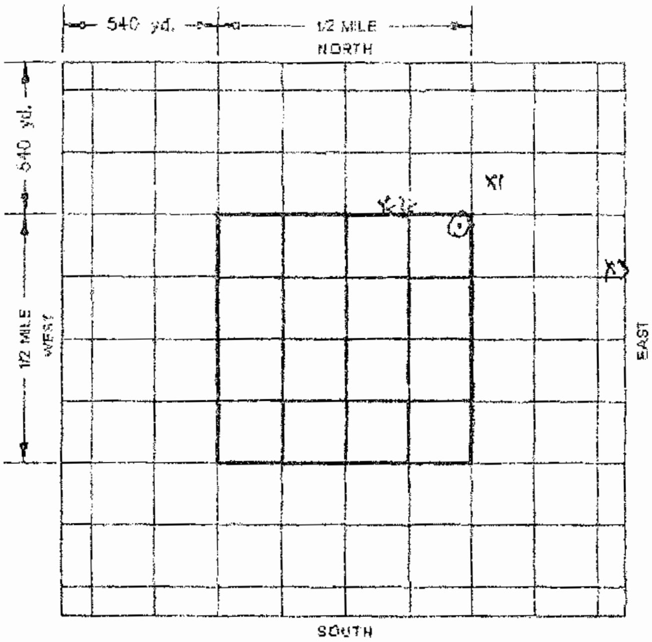
County: Lubbock
GIS Permit No.: 7341
Time of ...: 1:00
Date Filed: 11-22-11
Expiration Date: 7-22-12
Max. Allowed Production: 70 GPM

Charles Prater — NAME OF LANDOWNER
4910 93rd Street Lubbock, TX 79424 — LANDOWNERS ADDRESS/PHONE NUMBER

hereby make an application to HIGH PLAINS UNDERGROUND WATER CONSERVATION DISTRICT NO. 1 for a permit to drill a water well at the site described below:

County: Lubbock
NW ¼ NE ¼ SW ¼ SE ¼
Block: E Section: 10
Survey: ______ Abstract No.: ______
Township: ______ Range: ______
Labor: ______ League: ______
Other: 2100-2200 Blk of 114th Street

CIRCLE TYPE OF WELL TO BE DRILLED
Municipal - Industrial - Irrigation - (Domestic)
Other: ______
Drilling will start on or about: ASAP
Tract located ___ N, 1 S, ___ E, ___ W miles, of the town of Lubbock, TX



DISTRICT USE ONLY

Well Site GPS:
Lat: 33.49241
Long: 101.86297

26 yards N or (S) of accepted property line, which is STAKE
Lat/Long: 33.49263 - 101.86297

26 yards E or (W) of accepted property line, which is STAKE
Lat/Long: 33.49241 - 101.86273

Distance in yards to wells within 540 yards (maximum of 3) of proposed well site. Number to correspond with grid.

X-1 101 measured yards from proposed well site.
Permit No. 7406
Lat/Long 33.49508 - 101.86238

X-2 237 measured yards from proposed well site.
Permit No. 4380
Lat/Long 33.49336 - 101.86501

X-3 493 measured yards from proposed well site.
Permit No. 4778
Lat/Long 33.49152 - 101.85822

COMMENT / EXPLANATION

______

I agree to be solely responsible for the drilling of this well at the Well Site GPS location as stated on this application. I further agree to be solely responsible for informing the well driller of this Well Site GPS location and in making certain that the well is drilled within a ten (10) yard radius of the Well Site GPS location. I agree to abide by all minimum spacing requirements of the High Plains Underground Water Conservation District No. 1 should it become necessary to drill the proposed well site in another location other than the exact Well Site GPS location but within the ten (10) yard radius noted above.

I will furnish the district the complete well registration and log immediately upon completion of this well and prior to the production of water from site identified.

I further agree not to allow irrigation tailwater to escape from land on which this well is used for irrigation nor to convey water from this well in an open, unlined ditch, nor to "waste" the ground water from this well as defined by Section 36.001 of the Texas Water Code. I understand that if I violate any of this agreement, the Board of Directors of the District may order that I may no longer use the well for any purpose until the problem is permanently resolved.

If the General Manager/Designee shall recommend the granting of the application and if there be no contest thereon or conflicting application, the applicant may thereupon proceed at his own risk to drill such well. Should the applicant proceed to drill such well prior to the application having been officially granted by the Board, applicant assumes sole responsibility for potentially losing the well site, all expenses associated with the drilling and equipping of said well, potential expenses of the District associated with any legal proceeding related to said well, and any other risks of any type which might be associated with said well. The application shall not, however, be officially granted until the same shall have been passed upon and granted by the Board of Directors of the High Plains Underground Water Conservation District No. 1

I have reviewed the information contained within this application, including the Well Site GPS location, and agree to be bound by all terms and conditions of this application and of the rules and regulations of the High Plains Underground Water Conservation District No. 1 and all applicable laws of the State of Texas, as may be amended from time to time.

TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL ABOVE INFORMATION IS TRUE AND ACCURATE.

I, Charles Prater (signature) — Charles Prater (Same As Above) (806)794-5262 or 789-3001
SIGNATURE OF APPLICANT — PRINTED NAME — ADDRESS — TELEPHONE

RULE BOOK RECEIVED: CP (owner/agent initials) I do or do not X receive the Cross Section

Recommended for approval to the Board of Directors of High Plains Underground Water Conservation District No. 1 by the General Manager/Designee: (signature) Date recommended for approval: 11-23-11

DATE BOARD APPROVED: ______ Date Log Mailed: 11/23/11 By: JRP

REV 7/2007

Permit Expires: 03-22-2012

ORIGINAL - DISTRICT OFFICE

Cabinet 3
Drawer 2

County Lubbock
Permit No. 9341
Date Received 3-22-2012
Pump Size ____ Maximum in Yield 70 GPM

High Plains Underground Water Conservation District No. 1

REGISTRATION and LOG of WELL

INSTRUCTIONS: Fill out in quadruplet. Submit all copies to County Committee for recommendation. (PLEASE TYPE OR PRINT)

Land Owner Charles Prater Address 4910 93rd St. Lubbock, TX 79424

Well located ___ miles N, 1 miles S, ___ miles E, ___ miles W of the town of Lubbock

County Lubbock Labor ____ League ____ Abstract No. ____

NW¼ NE¼ SW¼ SE¼ (Circle One) Section 10 Block E Survey ____

Township ____ Range ____

DRILLER'S LOG OF WELL

Method of Drilling: Rotary ✓, Reverse Rotary ___, Air ___, Spudder ___, Other ___, Diameter of Well: ___ inches.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL	FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	1	Top soil			
1	10	Caliche			
10	43	Sandy clay			
43	55	Red			
55	75	Sandy clay			
75	95	Red			
95	115	Sandy clay			
115	125	Sand & gravel			
125	130	Caliche clay			

Gravel packed Yes ✓ No ___ Gravel Size 3/8 Quantity in yards 1.5

Cementing record: filled with cement between casing and wall of well from ____ feet to surface, including pump base

Casing: Steel ___, Plastic ✓, Other ___ Diameter 5 in Total casing length including screen or perforated casing 130 ft.

Manufactured well screen from ____ ft. to ____ ft. Size ____ Number of rows ____

Casing perforated from 90 ft. to 130 ft. Size ⅛ Number of rows 4

Latitude Of Well: N 33° 29' 33" Longitude Of Well: W 101° 51' 47"

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein are true to the best of my knowledge and belief.

Driller Pete Newell (SIGNATURE) Address [illegible] Hwy 137 Date drilled 12-29-11

Texas License No 53700 Lorenzo 79343

DESCRIPTION OF PERMANENTLY INSTALLED PRODUCTION EQUIPMENT

(This Does Not Mean Testing or Development Pump)

Discharge pipe size 1¼ in. Pump Column: Size 2" in. Length 122 ft. Suction pipe length ____ ft.

Pump bowls: Size 4" Number of stages 14 Pump yield 30 GPM Estimated ___ Measured 30GPM

Depth to static water level ____ Ft Estimated 40 Measured ____ Pumping level: 125 ft.

Power Unit: Electrical ✓ Natural Gas ____ Other ____ Horsepower 3 HP

Type of Pump: Turbine ___ Submersible ✓ Other ____ Well chlorinated after pump installed Yes (yes/no)

I hereby certify that this well was equipped as stated above.

Pump Installer Daryl Ford (SIGNATURE) Address 7827 Pontiac Ave Date 3-19-12

Texas License No 4415F

If this is a replacement well, I certify that the abandoned well is properly capped or filled in accordance with state law and the rules of the district. To the best of my knowledge and belief, all above information is true and accurate.

Landowner Charles E Prater (SIGNATURE) Date 3-20-12

REV 3/2007/2,000

FORM NO. 263 AWP

☑ Alphabetical file ☑ X-file ☐ Plotted ☐ Depth Plotted

Original—District Office Copy Cabinet 1 Drawer 2

High Plains Underground Water Conservation District No. 1

Application for Water Well Permit

INSTRUCTIONS: Fill out in quadruplet. Submit all copies to County Committee for recommendation. (PLEASE TYPE OR PRINT)

OFFICE ONLY	
Field Well No.	[illegible]
Time of Filing	[illegible]
Date Application Filed	[illegible]
Expiration Date	[illegible]
Date Recommended By County Committee	3-16-64
Size of Pump	Maximum Yield [illegible] GPM

I, [illegible] (NAME OF LANDOWNER) [illegible] (LANDOWNER'S ADDRESS)

hereby make application to HIGH PLAINS UNDERGROUND WATER CONSERVATION DISTRICT NO. 1 for a permit to drill the hereinafter described water well at the location indicated:

County [illegible]

NW¼, NE¼, SW¼, SE¼ of Section [illegible] Block [illegible] (MARK OUT ONES THAT DO NOT APPLY)

Survey ______ Abstract ______

Township ______ Range ______

Labor ______ League ______

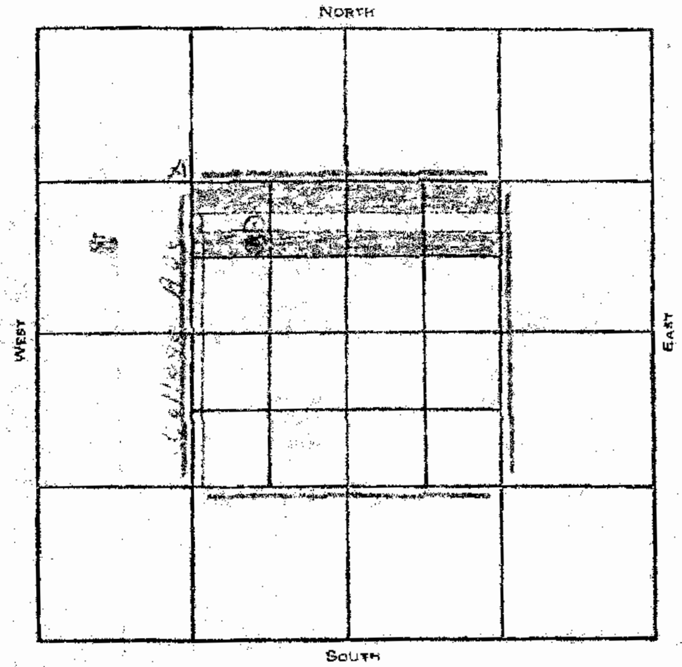
Proposed Use (Municipal-Industrial-Irrigation) (MARK OUT ONES THAT DO NOT APPLY)

Drilling to start about [illegible], 19[illegible]

This well will be located [illegible] miles N or S and (MARK OUT ONE THAT DOES NOT APPLY) ______ miles E or W of the town of [illegible]

MARK DOT inside circle ⊙ within **Red Square** by proposed well location. (Red square indicates 1 quarter section or 1 labor)

MARK X, showing a closest wells or authorized well sites within ¼ mile.



Location of proposed Well as submitted by applicant is [illegible] measured yards from (N S) (MARK OUT ONE THAT DOES NOT APPLY) and [illegible] measured yards from (E W) property line, quarter section line, or labor line.

Number three adjacent wells, or authorized well sites within ¼ mile on the plat as 1, 2, and 3, to correspond with the following:

No. 1 [illegible] measured yards from proposed well site.
Owned by Kenneth [illegible]
Address [illegible]

No. 2 ______ measured yards from proposed well site.
Owned by ______
Address ______

No. 3 ______ measured yards from proposed well site.
Owned by ______
Address ______

COMMENT

[illegible]

1 1/10 ins.	440 yds.	Minimum for 10-in. well	yield—more than 1000 G.P.M.
1 in.	400 yds.	Minimum for 8-in. well	yield—560 to 1000 G.P.M.
3/4 in.	300 yds.	Minimum for 6-in. well	yield—390 to 560 G.P.M.
5/8 in.	250 yds.	Minimum for 5-in. well	yield—265 to 390 G.P.M.
1/2 in.	200 yds.	Minimum for 3 or 4-in. well	yield—70 to 265 G.P.M.

I agree that this well will be drilled within ten (10) yards of the location specified and not closer to an existing well or authorized well site than the minimum spacing requirements, and that I will furnish my County Committee the completed well registration and log immediately upon completion of this well and prior to the production of water.

This notice given by: [illegible] (SIGNATURE LANDOWNER OR AGENT) TITLE ADDRESS

This permit recommended by County Committee, subject to the rules for spacing from existing wells and/or authorized well site.

1. Bill Hardy 2. [illegible] 3. [illegible]

Check here ☐ when well is located on the County map. ☑ Deposit Received.

SMITH PRINTING CO. — DIAL PO 5-2619

Cabinet 3
Drawer 2

Original District Office Copy

High Plains Underground Water Conservation District No. 1

REGISTRATION and LOG o WELL

FOR USE OF COMMITTEEMAN
Field Well No. [illegible]
Date Received
Permit Size of Pump [illegible] in. Maximum Yield [illegible] GPM

INSTRUCTIONS: Fill out in quadruplicate. Submit all copies to County Committeeman for registration. (Please type or print.)

1. Land Owner [illegible] Address [illegible] Lubbock

2. Well located _____ miles N _____ miles S _____ miles E _____ miles W of the town of [illegible]

3. County Lubbock Labor _____ League _____ Abstract No. _____

4. NW¼ NE¼ (SW¼) SE¼ Section [illegible] Block [illegible] Survey _____
MARK OUT THOSE THAT DO NOT APPLY

DRILLER'S LOG OF WELL

Method of Drilling: Rotary _____ Spudder _____ Diameter of Well: _____ inches.
MARK OUT ONE THAT DOES NOT APPLY

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL	FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
[illegible]	[illegible]	[illegible]			
[illegible]	[illegible]	[illegible]			
[illegible]	[illegible]	[illegible]			
[illegible]	[illegible]	[illegible]			
[illegible]	[illegible]	[illegible]			
[illegible]	[illegible]	[illegible]			
[illegible]	[illegible]	[illegible]			

REMARKS:

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein are true to the best of my knowledge and belief.

Driller [illegible] Address [illegible] Date Drilled [illegible] 19 [illegible]

DESCRIPTION OF WELL AND PRODUCTION EQUIPMENT

(This Does Not Mean Testing or Development Pump)

6. Casing: new, used, gas line, or shop made. Diameter _____ in. Total casing length _____ ft.

7. Casing perforations: from _____ ft. to _____ ft. Size _____ Number of rows _____

8. Pump Column: Size 2½ in. Column, shaft length _____ ft. Suction pipe size _____ in. Suction pipe length _____ ft.

9. Pump bowls: Size _____ Number of stages _____ Pump discharge pipe: Size 2½ in.

10. Depth to water level 128 ft. Pump yield 75 GPM. Pumping level: 131 ft.

11. Power Unit: (Electrical) Natural Gas, Butane, Other _____ Horsepower _____

Signature _____
LANDOWNER OR AGENT TITLE ADDRESS

By [illegible]

[illegible]

☒ IS ☐ 123 ☑ NEW APP. BOOK ☑ ADD FILE ☑ FILE ☐ MASTER SHEET ☑ WELLS COMPLETED BOOK ☐ PINNED ☐ DEPTH PLOTTED

RECEIVED 18 1985

FORM No. 465 AWP

ORIGINAL - DISTRICT OFFICE COPY

Cabinet J
Drawer 2

OFFICE ONLY

Field Well No.	7406
Time of Filing	3:24 pm
Date Application Filed	3-13-85
Expiration Date	7-13-85
Date Recommended By County Committee	3-18-85
Size of Pump	4
Maximum Yield	265 GPM

High Plains Underground Water Conservation District No. 1

Application for Water Well Permit

INSTRUCTIONS: Fill out in quadruplicate. Submit all copies to County Committee for recommendation. (PLEASE TYPE OR PRINT)

I, Charles Prater — NAME OF LANDOWNER — Route 9 Box 420 Lubbock 79423 — LANDOWNER'S ADDRESS

hereby make application to HIGH PLAINS UNDERGROUND WATER CONSERVATION DISTRICT NO. 1 for a permit to drill the hereinafter described water well at the location indicated:

County Lubbock

NW¼, NE¼, (SW¼), SE¼ Section 10 Block E
MARK OUT ONES THAT DO NOT APPLY

Survey ________ Abstract ________

Township ________ Range ________

Labor ________ League ________

MARK DOT INSIDE CIRCLE & within RED SQUARE for proposed well location. (Red square indicates 1 quarter section or 1 labor)

MARK X, showing 3 closest well or authorized well sites within ½ mile

Proposed Use (Municipal-Industrial-(Irrigation))
MARK OUT ONES THAT DO NOT APPLY

Drilling to start about ________ 19__

This well will be located 3 miles (N) or S and 1 miles E of (W) of the town of Woodrow
MARK OUT ONE THAT DOES NOT APPLY

Location of proposed Well as submitted by applicant is 282 measured yards from N (S) and 67 measured yards from (E) W quarter section line, or labor line
MARK OUT ONE THAT DOES NOT APPLY

Number three adjacent wells or authorized well sites within ½ mile on the plat as 1, 2, and 3, to correspond with the following:

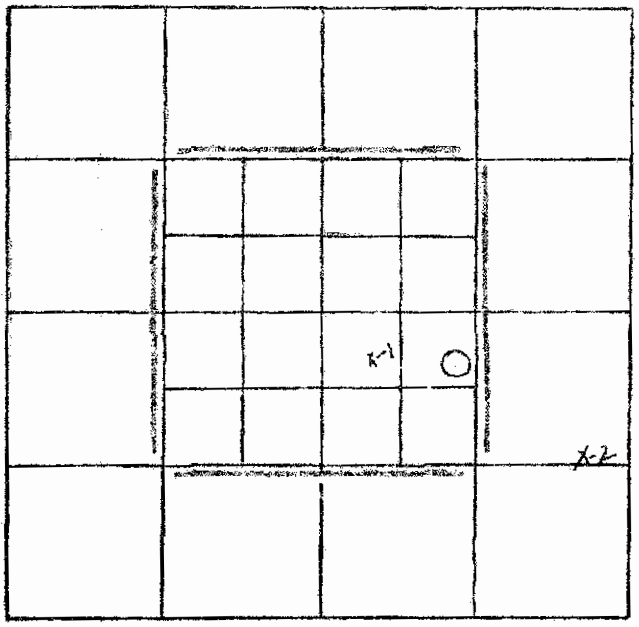
No. 1 290 measured yards from proposed well site.
Owned by Self
Address ________

No. 2 467 measured yards from proposed well site.
Owned by ________
Address ________

No. 3 ________ measured yards from proposed well site
Owned by ________
Address ________

NORTH

WEST



EAST

SOUTH

COMMENT

1 1/10 ins	440 yds	Minimum for 10-in. well	yield—more than 1000 G.P.M
1 in.	400 yds.	Minimum for 8-in. well	yield—560 to 1000 G.P.M
3/4 in.	300 yds.	Minimum for 8-in. well	yield—390 to 560 G.P.M
5/8 in.	250 yds.	Minimum for 5-in. well	yield—265 to 390 G.P.M.
1/2 in.	200 yds.	Minimum for 3 or 4-in. well	yield—70 to 265 G.P.M

I agree that this well will be drilled within ten (10) yards of the location specified and not closer to an existing well or authorized well site than the minimum spacing requirements and that I will furnish my County Committee the completed well registration and log immediately upon completion of this well and prior to the production of water.

This notice given by: Charles Prater
SIGNATURE LANDOWNER OR AGENT — TITLE — ADDRESS

This permit recommended by County Committee, subject to the rules for spacing from existing wells and/or authorized well site

1. Billy Walker 2. [illegible] 3. Richard Bednarz

☒ Pinned on County Map ☒ Deposit Received ☐ Refunded
Log sent 3-19
Check No. 5912

Cabinet J
Drawer 2

FORM NO. 3568-LV

ORIGINAL - DISTRICT OFFICE COPY

High Plains Underground Water Conservation District No. 1

REGISTRATION and LOG of WELL

INSTRUCTIONS: Fill out in quadruplet. Submit all copies to County Committee for recommendation. (PLEASE TYPE OR PRINT)

FOR USE OF COMMITTEEMEN
Field Well No. 7406
Date Received 6-10-85
Permit Size Maximum of Pump 4 Max. Yield 265 GPM

1. Land Owner Charles Prater Address Route 9 Box 420 Lubbock, 79423

2. Well located 3 miles N ... miles S. ... miles E, 1 miles W of the town of Woodrow

3. County Lubbock Labor ... League ... Abstract No. ...

4. NW¼ NE¼ (SW¼) SE¼ (MARK OUT THAT DO NOT APPLY) Section 10 Block E Survey ...

DRILLER'S LOG OF WELL

Method of Drilling: Rotary ... Spudders (MARK OUT IF THAT DOES NOT APPLY) ... Diameter of Well 12¼ inches

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION AS DRILLED	FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION AS DRILLED
0	4	Top soil	120	132	Yellow clay
4	14	Caliche	132	133	Blue clay
14	42	Soft sandstone			
42	45	Hard sandstone			
45	46	Sandstone			
46	50	Hard sandstone			
50	68	Sand			
68	82	Hard sandstone			
82	109	Sandstone			
109	120	Sand & gravel			

REMARKS:

Provided with #6

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein are true to the best of my knowledge and belief

Driller R B Carter Address Lubbock Tx. Date Drilled 3-31 19 85

DESCRIPTION OF WELL AND PRODUCTION EQUIPMENT

(This Does Not Mean Testing or Development Pump)

6. Casing: (New) used, gas line, or show made Pfs Diameter 8 5/8 in. Total casing length 135 ft

7. Casing perforations: from 91 ft. to 133 ft. Size 3/16 Number of rows 8

8. Pump Column: Size 2 in. Column shaft length 124 ft. Suction pipe size 0 in. Suction pipe length 0 ft.

9. Pump bowls: Size 4 SS Number of stages 21 Pump discharge pipe: Size 2 in.

10. Depth to water level 109 ft. Pump yield 400 PM GPM. Pumping level 135 ft.

11. Power Unit: Electrical, Natural Gas, Butane, Other ... Horsepower ...

We Test Pumped This Well @ 75 GPM

Signature Charles Prater (LANDOWNER OR AGENT) Owner (TITLE) RT-9 Box 420 Lubbock Tx 79423 (ADDRESS)

IV Dup

Please use black ink.
Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board P. O. Box 13087 Austin, Texas 78711

1) OWNER Charles Prater (Name) Address R#7 Box 420 (Street or RFD) Lubbock (City) Tx (State) 79423 (Zip)

2) LOCATION OF WELL: County Lubbock 3 miles in S - ½ E (N.E., S.W., etc.) direction from Lubbock (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. 10 Block No. E Township
Abstract No. Survey Name
Distance and direction from two intersecting section or survey lines 1320 ft from South, 330 ft from East
☐ See attached map.

3) TYPE OF WORK (Check): ☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☒ Domestic ☐ Industrial ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Other

5) DRILLING METHOD (Check): ☒ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other

6) WELL LOG.

Date drilled 3-31-85

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
12¼	Surface	133

7) BOREHOLE COMPLETION: ☐ Open Hole ☐ Straight Wall ☐ Underreamed ☒ Gravel Packed ☐ Other
If Gravel Packed give interval . . . from 10 ft. to 133 ft.

From (ft.)	To (ft.)	Description and color of formation material
0	4	Top Soil
4	14	Caliche
14	42	Soft sandstone
42	45	Hard sandstone
45	46	Sandstone
46	50	Hard sandstone
68	82	Sandstone
82	109	Hard sandstone
109	120	Sand & gravel
120	132	Yellow Clay
132	133	Blue Clay

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
8	N	Plc.	0	133	Sch40
		Slotted	93	133	1/8

9) CEMENTING DATA (Rule 319.44(b))
Cemented from 0 ft. to 10 ft.
ft. to ft.
Method used Poured
Cemented by

10) SURFACE COMPLETION
☐ Specified Surface Slab Installed [Rule 319.44(c)]
☐ Pitless Adapter Used [Rule 319.44(d)]
☐ Approved Alternative Procedure Used [Rule 319.71]

RECEIVED
AUG 19 1985
DEPT. OF WATER RESOURCES

11) WATER LEVEL:
Static level ft. below land surface Date
Artesian flow gpm. Date

12) PACKERS: Type Depth

13) TYPE PUMP:
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other
Depth to pump bowls, cylinder, jet, etc. ft.

(Use reverse side if necessary)

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☐ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? Depth of strata
Was a chemical analysis made? ☐ Yes ☐ No

14) WELL TESTS:
Type Test ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: gpm with ft. drawdown after hrs.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME R. B. CARTER DRILLING CO. Water Well Driller's License No. 56
ADDRESS 3432 55th STREET LUBBOCK, TEXAS 79413 (Street or RFD) (City) (State) (Zip)

(Signed) R B Carter (Licensed Water Well Driller) (Signed) Dup (Registered Driller Trainee)

For TDWR use only
Well No. 23-34-14
Located on map Yes DLF

Please attach electric log, chemical analysis, and other pertinent information, if available.

DEPARTMENT OF WATER RESOURCES COPY

TDWR-0392 (12/29/83)

23-34-1

Send original copy by certified return receipt requested to: TNRCC, MC 177, P.O. Box 13087, Austin, TX 78711-30

ATTENTION OWNER: *Confidentiality Privilege Notice on reverse side of Well Owner's copy (pink)*

State of Texas
WELL REPORT

2 well

Texas Water Well Drillers Advisory Council
MC 177
P.O. Box 13087
Austin, TX 78711-3087
512-239-0530

1) OWNER Charlie Prater (Name) ADDRESS 114th Suniosty (Street or RFD) Lubbock (City) TX (State) 79423 (Zip)

2) ADDRESS OF WELL: County Lubbock (Street, RFD or other) Same (City) (State) (Zip) GRID N 33-29-40-1 W 101-51-41-5

3) TYPE OF WORK (Check): ☑ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☐ Monitor ☐ Environmental Soil Boring ☑ Domestic ☐ Industrial ☐ Irrigation ☐ Injection ☐ Public Supply ☐ Dewatering ☐ Testwell
If Public Supply well, were plans submitted to the TNRCC? ☐ Yes ☐ No

5) 23-34-1 N

6) WELL LOG:
Date Drilling: Started 6/24/ 1997 Completed 6/24/ 1997

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
9 7/8	Surface	
	1	130

7) DRILLING METHOD (Check): ☐ Driven ☐ Air Rotary ☑ Mud Rotary ☐ Bored ☐ Air Hammer ☐ Cable Tool ☐ Jetted ☐ Other

From (ft.)	To (ft.)	Description and color of formation material
1	3	dirt
3	22	Brown clay
22	65	Brown shale
65	77	Brown rock
77	101	Brown shale & clay
101	116	gravel yellow clay
116	130	yellow clay

(Use reverse side of Well Owner's copy, if necessary)

8) Borehole Completion (Check): ☐ Open Hole ☑ Straight Wall ☐ Underreamed ☑ Gravel Packed ☐ Other
If Gravel Packed give interval ... from 130 ft. to 20 ft.

CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
6	N	plastic	1	130	160
		perf 100 to 130			

9) CEMENTING DATA [Rule 338.44(1)]
Cemented from 20 ft. to 1 ft. No. of sacks used 20
ft. to ft. No. of sacks used
Method used Sandy gravel
Cemented by Courtney Wuehl
Distance to septic system field lines or other concentrated contamination ft.
Method of verification of above distance NA

10) SURFACE COMPLETION
☑ Specified Surface Slab Installed [Rule 338.44(2)(A)]
☐ Specified Steel Sleeve Installed [Rule 338.44(3)(A)]
☐ Pitless Adapter Used [Rule 338.44(3)(b)]
☐ Approved Alternative Procedure Used [Rule 338.44(5)]

RECEIVED JUL 31 1997

11) WATER LEVEL:
Static level 60 ft. below land surface Date 6/24/97
Artesian flow gpm Date 6/24/97

12) PACKERS: Type Depth
NA

13) TYPE PUMP:
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder ☐ Other
Depth to pump bowls, cylinder, jet, etc. ft.

14) WELL TESTS:
Type test: ☐ Pump ☐ Bailer ☐ Jetted ☑ Estimated
Yield: 40 gpm with 70 ft. drawdown after 2 hrs.

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable constituents?
☐ Yes ☑ No If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? NA Depth of strata NA
Was a chemical analysis made? ☐ Yes ☑ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Wuehl Drilling 2 (Type or print) WELL DRILLER'S LICENSE NO. 4900 C

ADDRESS 11854 Fm Hwy 2166 (Street or RFD) San Angelo (City) TX (State) 76904 (Zip)

(Signed) Courtney Wuehl (Licensed Well Driller) (Signed) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

TNRCC-0199 (Rev. 05-21-96) White - TNRCC Yellow - DRILLER Pink - WELL OWNER

Send original copy by certified return receipt requested to: TNRCC, MC 177, P.O. Box 13087, Austin, TX 78711-3087

23-34-1

ATTENTION OWNER: *Confidentiality Privilege Notice on on reverse side of Well Owner's copy (pink)*

State of Texas WELL REPORT

3well

Texas Water Well Drillers Advisory Council
MC 177
P.O. Box 13087
Austin, TX 78711-3087
512-239-6530

1) OWNER Charlie Prater (Name) ADDRESS 114th Suniversity Lubbock TX 79423 (Street or RFD) (City) (State) (Zip)

2) ADDRESS OF WELL: County Lubbock (Street, RFD or other) Sagse (City) (State) (Zip) GRID [redacted]

3) TYPE OF WORK (Check): ☑ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☐ Monitor ☐ Environmental Soil Boring ☑ Domestic ☐ Industrial ☐ Irrigation ☐ Injection ☐ Public Supply ☐ De-watering ☐ Testwell
If Public Supply well, were plans submitted to the TNRCC? ☐ Yes ☐ No

5) 24-34-1
N 33-27-25-?
W 101-52-04-?
E N

6) WELL LOG: Date Drilling: Started 6/25/ 1997 Completed 6/25/1997

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
7 7/8	Surface	
	1	130

7) DRILLING METHOD (Check): ☐ Driven ☐ Air Rotary ☑ Mud Rotary ☐ Bored ☐ Air Hammer ☐ Cable Tool ☐ Jetted ☐ Other

From (ft.)	To (ft.)	Description and color of formation material
		1-4 Sand
		4-30 Brown clay
		30-50 Brown Rock
		50-63 Brown shale
		63-110 Brown Sand rock
		110-125 gravel & yellow lime
		125-130 yellow clay

(Use reverse side of Well Owner's copy, if necessary)

8) Borehole Completion (Check): ☐ Open Hole ☐ Straight Wall ☐ Underreamed ☑ Gravel Packed ☐ Other
If Gravel Packed give interval... from 130 ft. to 25 ft.

CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
6	N	plastic	130	[redacted]	160
		perf 100 to 130			

9) CEMENTING DATA (Rule 338.44(1))
Cemented from 25 ft. to 1 ft. No. of sacks used 30
ft. to ft. No. of sacks used
Method used Sandy gravel
Cemented by Courtney Wuehl
Distance to septic system field lines or other concentrated contamination ft.
Method of verification of above distance NA

10) SURFACE COMPLETION
☑ Specified Surface Slab Installed (Rule 338.44(2)(A))
☐ Specified Sheeting Installed (Rule 338.44(3)(A))
☐ Pitless Adapter Used (Rule 338.44(3)(D))
☐ Approved Alternative Procedure Used (Rule 338.71)

RECEIVED
JUL 21 1997
CONSERVATION

11) WATER LEVEL:
Static level 100 ft. below land surface Date 6/25/97
Artesian flow [illegible] gpm Date 6/25/97

12) PACKERS: Type Depth
NA

13) TYPE PUMP:
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder NA
☐ Other
Depth to pump bowls, cylinder, jet, etc. ft.

14) WELL TESTS:
Type test: ☐ Pump ☐ Bailer ☐ Jetted ☑ Estimated
Yield: 30 gpm with As ft. drawdown after 2 hrs.

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable constituents?
☐ Yes ☑ No If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? NA Depth of strata NA
Was a chemical analysis made? ☐ Yes ☑ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Wuehl Drilling 2 (Type or print) WELL DRILLER'S LICENSE NO. 4900 w

ADDRESS 11854 Fm Hwy 2166 San Angelo TX 76904 (Street or RFD) (City) (State) (Zip)

(Signed) Cathy Wuehl (Licensed Well Driller) (Signed) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

TNRCC 0199 (Rev. 05-21-96) White - TNRCC Yellow - DRILLER Pink - WELL OWNER

1

STATE OF TEXAS WELL REPORT for Tracking #278968

Owner:	Charles Prater	Owner Well #:	No Data
Address:	4910 93rd St Lubbock, TX 79424	Grid #:	23-34-1
Well Location:	No Data	Latitude:	33° 29' 33" N
		Longitude:	101° 51' 47" W
Well County:	Lubbock	Elevation:	No Data
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: **12/29/2011** Drilling End Date: **12/29/2011**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	10	0	130

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	10	130	Gravel	3/8

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	0	10	9

Seal Method: **Water**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

	Strata Depth (ft.)	Water Type
Water Quality:	No Data	No Data

Chemical Analysis Made: **Unknown**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Monte Moore Drilling**

1313 N Hwy 137
Lamesa, TX 79331

Driller Name: **Peter Neufeld** License Number: **58700**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	2	top soil
2	10	caliche
10	43	sandy clay
43	55	rock
55	85	sandy clay
85	95	rock
95	115	sandy clay
115	125	sand gravle
125	130	yellow clay

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
6"	New	Plastic	0-90 Blank
			90-130 Perf 1/4 4 Rows

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking Number on your written request.

Texas Department of Licensing and Regulation
P.O. Box 12157
Austin, TX 78711
(512) 334-5540

4

STATE OF TEXAS WELL REPORT for Tracking #647217

Owner:	**We Construct LLC**	Owner Well #:	**No Data**
Address:	**12109 Hwy 87 Lubbock, TX 79423**	Grid #:	**23-34-1**
		Latitude:	**33° 29' 29" N**
Well Location:	**2110 114th St Lubbock, TX**	Longitude:	**101° 51' 46" W**
Well County:	**Lubbock**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **7/6/2023** Drilling End Date: **7/6/2023**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8.75**	**0**	**140**

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**80**	**140**	**Sand**	**8/16**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**2**	**5**	**Cement 1 Bags/Sacks**
	5	**22**	**Bentonite 5 Bags/Sacks**

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **50+**

Distance to Septic Field or other concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **100+**

Method of Verification: **No Data**

Surface Completion: **No Data** **Surface Completion NOT by Driller**

Water Level: **81 ft.** below land surface on **2023-07-06**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

	Strata Depth (ft.)	Water Type
Water Quality:	No Data	No Data

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Estill Drilling**

PO Box 64491
Lubbock, TX 79464

Driller Name: **John Reimer** License Number: **54357**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	5	topsoil
5	14	caliche
14	35	brown silt & sand
35	42	sandstone
42	54	brown silt & sand
54	63	rock
63	90	sandstone
90	94	rock
94	112	sandstone
112	126	sand & gravel
126	129	yellow clay
129	140	blue clay

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
5	Blank	New Plastic (PVC)	160#	-1	100
5	Perforated or Slotted	New Plastic (PVC)	200# 0.035	100	140

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

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Texas Department of Licensing and Regulation
P.O. Box 12157
Austin, TX 78711
(512) 334-5540

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STATE OF TEXAS WELL REPORT for Tracking #628688

Owner:	**WeConstruct**	Owner Well #:	**No Data**
Address:	**12109 hwy 87 Lubbock, TX 79423**	Grid #:	**23-34-1**
Well Location:	**114th st .47mi east of University ave north side of rd lubbock, TX 79423**	Latitude:	**33° 29' 27.96" N**
		Longitude:	**101° 51' 44.64" W**
Well County:	**Lubbock**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **11/8/2022** Drilling End Date: **11/8/2022**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8.75**	**0**	**140**

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**25**	**140**	**Gravel**	**#5 vealmore**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**4**	**25**	**Cement 8 Bags/Sacks**

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **50+**

Distance to Septic Field or other concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **100+**

Method of Verification: **tape**

Surface Completion: **Pitless Adapter Used** **Surface Completion NOT by Driller**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

	Strata Depth (ft.)	Water Type
Water Quality:	No Data	fresh

Chemical Analysis Made: No

Did the driller knowingly penetrate any strata which contained injurious constituents?: No

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **R&R DRILLING LLC**

6002 FM 1047 S
GOLDTHWAITE, TX 76844

Driller Name: **Ryan Shipp** License Number: **60481**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	5	red sandy clay
5	23	tan sandy clay
23	85	sandstone and sand
85	92	sandy clay
92	98	sandstone
98	115	sandy clay
115	130	sand and gravel
130	135	yellow clay
135	140	blue clay

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
5	Blank	New Plastic (PVC)	200psi	0	100
5	Perforated or Slotted	New Plastic (PVC)	200psi 0.020	100	140

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

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Texas Department of Licensing and Regulation
P.O. Box 12157
Austin, TX 78711
(512) 334-5540

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STATE OF TEXAS WELL REPORT for Tracking #628687

Owner:	**WeConstruct**	Owner Well #:	**No Data**
Address:	**12109 hwy 87 Lubbock, TX 79423**	Grid #:	**23-34-1**
Well Location:	**114th st .47mi east of University ave north side of rd lubbock, TX 79423**	Latitude:	**33° 29' 27.96" N**
		Longitude:	**101° 51' 43.56" W**
Well County:	**Lubbock**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **11/8/2022** Drilling End Date: **11/8/2022**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8.75**	**0**	**138**

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**25**	**138**	**Gravel**	**#5 vealmore**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**4**	**25**	**Cement 8 Bags/Sacks**

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **50+**

Distance to Septic Field or other concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **100+**

Method of Verification: **tape**

Surface Completion: **Pitless Adapter Used** **Surface Completion NOT by Driller**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

	Strata Depth (ft.)	Water Type
Water Quality:	No Data	fresh

Chemical Analysis Made: No

Did the driller knowingly penetrate any strata which contained injurious constituents?: No

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **R&R DRILLING LLC**

6002 FM 1047 S
GOLDTHWAITE, TX 76844

Driller Name: **Ryan Shipp** License Number: **60481**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	5	red sandy clay
5	23	tan sandy clay
23	85	sandstone and sand
85	92	sandy clay
92	98	sandstone
98	115	sandy clay
115	130	sand and gravel
130	135	yellow clay
135	138	blue clay

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
5	Blank	New Plastic (PVC)	200psi	0	98
5	Perforated or Slotted	New Plastic (PVC)	200psi 0.020	98	138

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Texas Department of Licensing and Regulation
P.O. Box 12157
Austin, TX 78711
(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #670313

Owner:	CJKC, LLC.	Owner Well #:	No Data
Address:	5301 112th St Lubbock, TX 79424	Grid #:	23-34-1
Well Location:	2225 114th ST In Country, TX	Latitude:	33° 29' 26.45" N
		Longitude:	101° 51' 54.14" W
Well County:	Lubbock	Elevation:	No Data
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: **6/27/2024** Drilling End Date: **6/27/2024**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	8	0	134

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Perforated or Slotted**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	3	75	**Bentonite 15 Bags/Sacks**

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **>100**

Distance to Septic Field or other concentrated contamination (ft.): **>500**

Distance to Septic Tank (ft.): **>500**

Method of Verification: **GPS**

Surface Completion: **Pitless Adapter Used** **Surface Completion by Driller**

Water Level: **105 ft.** below land surface, and **0 GPM** artesian flow on **2024-06-27** Measurement Method: **Electric Line**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

	Strata Depth (ft.)	Water Type
Water Quality:	No Data	No Data

Chemical Analysis Made: No

Did the driller knowingly penetrate any strata which contained injurious constituents?: No

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Carter Drilling Co., Inc**

3301 56th St
Lubbock, TX 79413

Driller Name: **Bruce Carter** License Number: **2320**

Apprentice Name: **Mark Rhoads** Apprentice Number: **60646**

Comments: **No Data**

Report Amended on 9/6/2024 by Request #43182

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	3	Top Soil
3	12	Caliche
12	38	Sandstone
38	95	Clay
95	128	Sand & Gravel
128	134	Blue Clay

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
5	Blank	New Plastic (PVC)	160	0	94
5	Perforated or Slotted	New Plastic (PVC)	160 0.020	94	134

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Texas Department of Licensing and Regulation
P.O. Box 12157
Austin, TX 78711
(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #670314

Owner:	CJKC, LLC.	Owner Well #:	No Data
Address:	5301 112th St Lubbock, TX 79424	Grid #:	23-34-1
Well Location:	2205 114th ST In Country, TX	Latitude:	33° 29' 25.19" N
		Longitude:	101° 51' 53.71" W
Well County:	Lubbock	Elevation:	No Data
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: **6/27/2024** Drilling End Date: **6/28/2024**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	8	0	132

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Perforated or Slotted**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	3	75	**Bentonite 15 Bags/Sacks**

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **>100**

Distance to Septic Field or other concentrated contamination (ft.): **>500**

Distance to Septic Tank (ft.): **>500**

Method of Verification: **GPS**

Surface Completion: **Pitless Adapter Used** **Surface Completion by Driller**

Water Level: **105 ft.** below land surface, and **0 GPM** artesian flow on **2024-06-28** Measurement Method: **Electric Line**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

	Strata Depth (ft.)	Water Type
Water Quality:	No Data	No Data

Chemical Analysis Made: No

Did the driller knowingly penetrate any strata which contained injurious constituents?: No

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Carter Drilling Co., Inc**

3301 56th St
Lubbock, TX 79413

Driller Name: **Bruce Carter** License Number: **2320**

Apprentice Name: **Mark Rhoads** Apprentice Number: **60646**

Comments: **No Data**

Report Amended on 9/6/2024 by Request #43183

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	3	Top Soil
3	12	Caliche
12	38	Sandstone
38	55	Clay
55	126	Sand & Gravel
126	132	Blue Clay

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
5	Blank	New Plastic (PVC)	160	0	92
5	Perforated or Slotted	New Plastic (PVC)	160 0.020	92	132

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P.O. Box 12157
Austin, TX 78711
(512) 334-5540

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STATE OF TEXAS WELL REPORT for Tracking #83243

Owner:	**Simpson Tech Sales**	Owner Well #:	**1**
Address:	**P.O. Box 53156 Lubbock, TX 79453**	Grid #:	**23-34-1**
		Latitude:	**33° 29' 25" N**
Well Location:	**114th Street Lubbock, TX**	Longitude:	**101° 52' 01" W**
Well County:	**Lubbock**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **5/8/2006** Drilling End Date: **5/8/2006**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8.75**	**0**	**140**

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**90**	**140**	**Gravel**	**8/16**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**2**	**4**	**1, Cement**
	4	**90**	**29, Bentonite**

Seal Method: **Unknown**

Sealed By: **Jake Giesbrecht**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used**

Water Level: **113 ft.** below land surface on **2006-05-08** Measurement Method: **Unknown**

Packers: **n/a**

Type of Pump: **No Data**

Well Tests: **Bailer** **Yield: 15 GPM with 0 ft. drawdown after 1 hours**

	Description (number of sacks & material)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Plug Information:	**n/a**		

	Strata Depth (ft.)	Water Type
Water Quality:	No Data	No Data

Chemical Analysis Made: No

Did the driller knowingly penetrate any strata which contained injurious constituents?: No

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Estill Drilling**

P.O.Box 64574
Lubbock, TX 79464

Driller Name: **W.A.Estill** License Number: **2329**

Apprentice Name: **Jake Giesbrecht** Apprentice Number: **1912**

Comments: **Amended 5/22/06 Ref.#3440**

Report Amended on by Request #3440

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
1	2	Topsoil
2	25	Sandy Clay
25	100	Sand, Sandstone
100	129	Sand and Gravel
129	140	Yellow Clay

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5	new	plastic	0-140
5	new	perf	100-140 .035

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Please include the report's Tracking Number on your written request.

Texas Department of Licensing and Regulation
P.O. Box 12157
Austin, TX 78711
(512) 334-5540

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Exp 7-6-63 ✓

FORM NO. 382 AWP

Original—District Office Copy — Cabinet 1, Drawer 2

— DISTRICT OFFICE ONLY

Field Well No. 4380

Date Application Filed 6-6-63

Time of Filing 4:25 P.M.

Date Recommended By County Committee 6-6-63

Size of Pump 7 — Maximum Yield 850 GPM

High Plains Underground Water Conservation District No. 1

Application for Water Well Permit

INSTRUCTIONS: Fill out in quadruplet. Submit all copies to County Committee for recommendation. (PLEASE TYPE OR PRINT)

I, Charles Prater — Rt. 4 Lubbock
NAME OF LANDOWNER — LANDOWNER'S ADDRESS

hereby make application to HIGH PLAINS UNDERGROUND WATER CONSERVATION DISTRICT NO. 1 for a permit to drill the hereinafter described water well at the location indicated

1. County Lubbock
2. ~~NW¼~~ ~~NE¼~~ SW¼ SE¼ of Section 42 Block E
MARK OUT ONES THAT DO NOT APPLY
Survey ______ Abstract ______
3. Labor ______ League ______

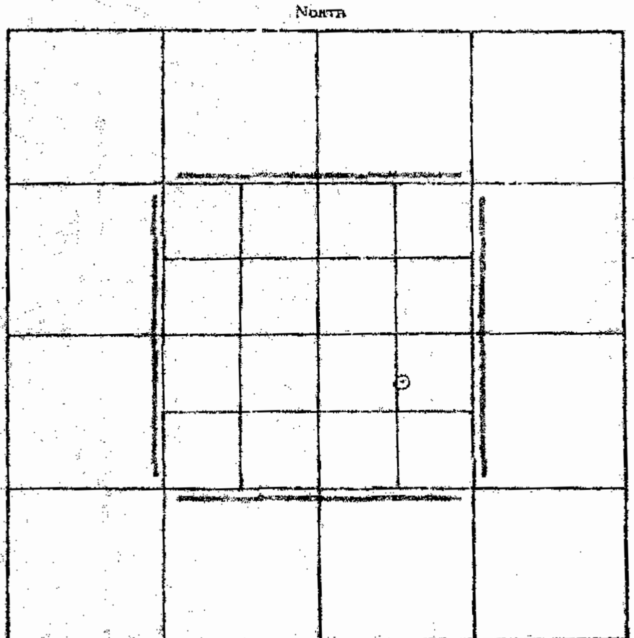
Permit good for 4 months only from date of filing

4. Proposed Use (~~Municipal~~ ~~Industrial~~ Irrigation)
MARK OUT ONES THAT DO NOT APPLY
5. Drilling to start about Immediately 1963

This well will be located: 3 miles N or ~~S~~ and 1 miles E or W of the town of Lubbock
MARK OUT ONE THAT DOES NOT APPLY

MARK DOT inside circle ⊙ within **Red Square** for proposed well location (Red square indicates 1 quarter section or 1 labor)

MARK X, showing 3 closest wells, and/or authorized well site.



SCALE FOR ABOVE PLAT

1 1/10 inches	440 yards	Minimum for 10-inch well
1 inch	400 yards	Minimum for 8-inch well
3/4 inch	300 yards	Minimum for 6-inch well
5/8 inch	250 yards	Minimum for 5-inch well
1/2 inch	200 yards	Minimum for 3 or 4-inch well

Please Make Sure Your Measurements Are Correct — (They will be checked for accuracy)

Location of proposed Well as submitted by applicant is 220 measured yards from (~~N~~ S) and 242 measured yards from (E ~~W~~) property line, quarter section line, or labor line.
MARK OUT ONE THAT DOES NOT APPLY

Number three adjacent wells, and/or authorized well sites, on the plat as 1, 2, and 3, to correspond with the following:

Well 1 ______ measured yards from proposed well site.
Owned by ______
Address ______

Well 2 ______ measured yards from proposed well site.
Owned by ______
Address ______

Well 3 ______ measured yards from proposed well site.
Owned by ______
Address ______

COMMENTS: No wells within spacing limits

I agree that this well will be drilled within ten (10) yards of the location specified and not closer to an existing well or authorized well site than the minimum spacing requirements, and that I will furnish my County Committee the completed well registration and log immediately upon completion of this well and prior to the production of water.

This notice given by: Chas E. Prater
SIGNATURE LANDOWNER OR AGENT — TITLE — ADDRESS

This permit recommended subject to the rules for spacing from existing wells and/or authorized well site.

1. M. N. Harper 2. Billy Hurley 3. W. J. Bryant Jr.

Check here: ☑ when well is located on the County map. ☑ Deposit Received.

SMITH PRINTING CO. - DIAL PO5-9419

Cabinet 1
Drawer 2

Office Copy

FOR USE OF COMMITTEEMAN
Field Well No. [illegible]
Date Received
Permit Size of Pump [illegible] in. Maximum Yield [illegible] GPM

High Plains Underground Water Conservation District No. 1

REGISTRATION and LOG of WELL

INSTRUCTIONS: Fill out in quadruplicate. Submit all copies to County Committeeman for registration. (Please type or print.)

1. Land Owner [illegible] Address Rt 4 Lubbock

2. Well located 3 miles N. ____ miles S. ____ miles E. 1 miles W. of the town of [illegible]

3. County Lubbock Labor ____ League ____ Abstract No. ____

4. ~~NW¼ NE¼ SW¼ SE¼~~ Section 10 Block 5 Survey ____
MARK OUT THOSE THAT DO NOT APPLY

DRILLER'S LOG OF WELL

Method of Drilling Rotary ____ Spudder [illegible] Diameter of Well [illegible] inches.
MARK OUT ONE THAT DOES NOT APPLY

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL	FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	3	soil			
3	[illegible]	clay			
[illegible]	[illegible]	sandy clay			
[illegible]	55	limestone			
55	[illegible]	dry sand			
[illegible]	93	limestone			
93	[illegible]	sandy clay			
[illegible]	122	sand			
122	134	yellow clay			
134	[illegible]	blue shale			

REMARKS.

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein are true to the best of my knowledge and belief.

Driller [illegible] Address [illegible] Date Drilled [illegible] 19[illegible]

DESCRIPTION OF WELL AND PRODUCTION EQUIPMENT

(This Does Not Mean Testing or Development Pump)

6. Casing: new, used, gas line, or shop made. Diameter [illegible] in. Total casing length [illegible] ft.

7. Casing perforations: from 38 ft to [illegible] ft. Size [illegible] Number of rows [illegible]

8. Pump Column: Size 3 in. Column, shaft length 0 ft. Suction pipe size 0 in. Suction pipe length 0 ft.

9. Pump bowls: Size 6 Number of stages 5 Pump discharge pipe: Size 3" in.

10. Depth to water level 100 ft Pump yield 105 GPM. Pumping level 114 ft.

11. Power Unit: (Electrical) Natural Gas, Butane, Other ____ Horsepower 7½

Signature Chas E. Peters [illegible] Lubbock
LANDOWNER OR AGENT TITLE ADDRESS

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STATE OF TEXAS WELL REPORT for Tracking #158837

Owner:	**David Newfield**	Owner Well #:	**No Data**
Address:	**15610 FM 1730 Lubbock, TX 79424**	Grid #:	**23-34-1**
Well Location:	**No Data**	Latitude:	**33° 29' 40" N**
		Longitude:	**101° 51' 59" W**
Well County:	**Lubbock**	Elevation:	**3229 ft. above sea level**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **11/4/2008** Drilling End Date: **11/4/2008**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8.5**	**0**	**130**

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed; Straight Wall**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**70**	**130**	**Gravel**	**#12-20**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**3**	**1 - Cement**
	3	**70**	**15 - Holeplug**

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **15**

Distance to Septic Field or other concentrated contamination (ft.): **124**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Gps & Visual Estimation**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Bailer** **Yield: 25+ GPM with 0 ft. drawdown after 1 hours**

	Strata Depth (ft.)	Water Type
Water Quality:	No Data	Fresh

Chemical Analysis Made: No

Did the driller knowingly penetrate any strata which contained injurious constituents?: No

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Carter Drilling Co., Inc**

3301-56th St
Lubbock, TX 79413

Driller Name: **Bruce Carter** License Number: **2320**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	3	Top Soil
3	15	Caliche
15	55	Sandstone
55	56	Rock
56	71	Sandstone
71	86	Rock
86	106	Sandstone
106	125	Sand
125	130	Yellow Clay

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5"		PVC	0-130
		Slotted	90-130 .020"

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

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Texas Department of Licensing and Regulation
P.O. Box 12157
Austin, TX 78711
(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #71554

Owner:	**Dave Newfield**	Owner Well #:	1
Address:	**707 Hwy 62/82** **Wolfforth, TX 79382**	Grid #:	**23-34-1**
		Latitude:	**33° 29' 43" N**
Well Location:	**109th Street** **Lubbock, TX**	Longitude:	**101° 51' 46" W**
Well County:	**Lubbock**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **10/19/2005** Drilling End Date: **10/19/2005**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8.75**	**0**	**115**

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**80**	**115**	**Gravel**	**8/16**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**2**	**4**	**1, Cement**
	4	**80**	**24, Bentonite**

Seal Method: **Unknown**

Sealed By: **Jimmy Kennedy**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used**

Water Level: **87 ft.** below land surface on **2005-10-19** Measurement Method: **Unknown**

Packers: **n/a**

Type of Pump: **Submersible** Pump Depth (ft.): **112**

Well Tests: **Bailer** **Yield: 15 GPM with 0 ft. drawdown after 1 hours**

	Description (number of sacks & material)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Plug Information:	**n/a**		

	Strata Depth (ft.)	Water Type
Water Quality:	No Data	No Data

Chemical Analysis Made: No

Did the driller knowingly penetrate any strata which contained injurious constituents?: No

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Estill Drilling**

P.O.Box 64574
Lubbock, TX 79464

Driller Name: **W.A.Estill** License Number: **2329**

Apprentice Name: **Jimmy Kennedy** Apprentice Number: **1028**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
1	2	Topsoil
2	23	Sandy Clay
23	42	Sand, Sandstone
42	48	Sandstone
48	74	Sand, Sandstone
74	90	Sandy Clay and sandstone
90	105	Sand and Sandy Clay
105	110	Sand and Gravel
110	115	Brown Clay

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5	new	plastic	0-115
5	new	perf	75-115 .035

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(512) 334-5540

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STATE OF TEXAS WELL REPORT for Tracking #98303

Owner:	Neufeld, David	Owner Well #:	No Data
Address:	707A Hwy 62-82 Wolfforth, TX 79382	Grid #:	23-34-1
Well Location:	1/4 mile E of University on 109th Lubbock, TX	Latitude:	33° 29' 43" N
		Longitude:	101° 51' 36" W
Well County:	Lubbock	Elevation:	No Data
Type of Work:	New Well	Proposed Use:	Domestic

Drilling Start Date: **11/13/2006** Drilling End Date: **11/13/2006**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	8.75	0	127

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	70	127	Gravel	8/16

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	3	5	cement
	5	70	bentonite

Seal Method: **Slurry**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

	Strata Depth (ft.)	Water Type
Water Quality:	No Data	No Data

Chemical Analysis Made: No

Did the driller knowingly penetrate any strata which contained injurious constituents?: No

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **T & T Drilling, LTD**

P.O Box 64958
Lubbock, TX 79464

Driller Name: **Tucker D. Rudder** License Number: **1862**

Apprentice Name: **Geoffrey Spencer** Apprentice Number: **3041**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	3	Top Soil Brown
3	27	Caliche Brown
27	31	Sandstone Brown
31	38	Sandy Clay Brown
38	41	Sandstone Brown
41	56	Sandy Clay Brown
56	70	Sandstone Brown
70	103	Sandy Clay Brown
103	107	Sand Brown
107	115	Gravel Mixed
115	117	Sand Brown
117	120	Clay Yellow
120	127	Clay Blue

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5	New	PVC	Solid 0-85
5	New	PVC	Slotted 85-125 .035

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Austin, TX 78711
(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #525939

Owner:	**Mustang Homes & Land**	Owner Well #:	**No Data**
Address:	**1405 N University Ave Lubbock, TX 79415**	Grid #:	**23-34-1**
Well Location:	**1914 110th St Lubbock, TX**	Latitude:	**33° 29' 42" N**
		Longitude:	**101° 51' 33" W**
Well County:	**Lubbock**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **9/3/2019** Drilling End Date: **9/3/2019**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8.75**	**0**	**141**

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**72**	**141**	**Sand**	**8/16**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**2**	**5**	**Cement 1 Bags/Sacks**
	5	**72**	**Bentonite 18 Bags/Sacks**

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **10**

Distance to Septic Field or other concentrated contamination (ft.): **100**

Distance to Septic Tank (ft.): **100**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used** **Surface Completion NOT by Driller**

Water Level: **66 ft.** below land surface on **2019-09-03**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

	Strata Depth (ft.)	Water Type
Water Quality:	No Data	No Data

Chemical Analysis Made: No

Did the driller knowingly penetrate any strata which contained injurious constituents?: No

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Estill Drilling**

PO Box 64491
Lubbock, TX 79464

Driller Name: **John Reimer** License Number: **54357**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	3	topsoil
3	8	caliche
8	15	brown silt & sand
15	31	sandstone
31	46	rock
46	58	sandstone
58	64	rock
64	85	sandstone
85	109	brown silt & sand
109	121	sand & gravel
121	128	sand
128	135	brown clay
135	141	blue clay

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
5	Blank	New Plastic (PVC)		-1	101
5	Perforated or Slotted	New Plastic (PVC)	0.035	101	141

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P.O. Box 12157
Austin, TX 78711
(512) 334-5540

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STATE OF TEXAS WELL REPORT for Tracking #513076

Owner:	**Mustang Homes**	Owner Well #:	**No Data**
Address:	**1405 N University Lubbock, TX 79415**	Grid #:	**23-34-1**
		Latitude:	**33° 29' 42" N**
Well Location:	**1906 110th St Lubbock, TX**	Longitude:	**101° 51' 31" W**
Well County:	**Lubbock**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **4/12/2019** Drilling End Date: **4/12/2019**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8.75**	**0**	**148**

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**85**	**148**	**Sand**	**8/16**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**2**	**5**	**Cement 1 Bags/Sacks**
	5	**85**	**Bentonite 26 Bags/Sacks**

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **28**

Distance to Septic Field or other concentrated contamination (ft.): **100**

Distance to Septic Tank (ft.): **100**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used** **Surface Completion NOT by Driller**

Water Level: **69 ft.** below land surface on **2019-04-12**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

	Strata Depth (ft.)	Water Type
Water Quality:	No Data	No Data

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Estill Drilling**

PO Box 64491
Lubbock, TX 79464

Driller Name: **John Reimer** License Number: **54357**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	5	topsoil
5	8	caliche
8	15	brown silt & sand
15	52	sandstone
52	71	rock
71	95	sandstone
95	110	brown silt & sand
110	130	sand & gravel
130	139	brown clay
139	148	blue clay

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
5	Blank	New Plastic (PVC)		-1	108
5	Perforated or Slotted	New Plastic (PVC)	0.035	108	148

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P.O. Box 12157
Austin, TX 78711
(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #525066

Owner:	**Mustang Homes & land**	Owner Well #:	**No Data**
Address:	**1405 University Ave Lubbock, TX 79415**	Grid #:	**23-34-1**
Well Location:	**1906 110th St Lubbock, TX**	Latitude:	**33° 29' 42" N**
		Longitude:	**101° 51' 30" W**
Well County:	**Lubbock**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **8/30/2019** Drilling End Date: **8/30/2019**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8.75**	**0**	**147**

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**75**	**147**	**Sand**	**8/16**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**2**	**5**	**Cement 1 Bags/Sacks**
	5	**75**	**Bentonite 22 Bags/Sacks**

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **25**

Distance to Septic Field or other concentrated contamination (ft.): **100**

Distance to Septic Tank (ft.): **100**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used** **Surface Completion NOT by Driller**

Water Level: **70 ft.** below land surface on **2019-08-30**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

	Strata Depth (ft.)	Water Type
Water Quality:	No Data	No Data

Chemical Analysis Made: No

Did the driller knowingly penetrate any strata which contained injurious constituents?: No

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Estill Drilling**

PO Box 64491
Lubbock, TX 79464

Driller Name: **John Reimer** License Number: **54357**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	4	topsoil
4	13	caliche
13	24	brown silt & sand
24	33	sandstone
33	48	rock
48	82	sandstone
82	113	brown silt & sand
113	119	sand & gravel
119	134	sand
134	137	yellow clay
137	147	blue clay

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
5	Blank	New Plastic (PVC)		-1	107
5	Perforated or Slotted	New Plastic (PVC)	0.035	107	147

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Austin, TX 78711
(512) 334-5540

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STATE OF TEXAS WELL REPORT for Tracking #438725

Owner:	**Olga Garcia**	Owner Well #:	**No Data**
Address:	**1909 110 th St** **Lubbock, TX 79423**	Grid #:	**23-34-1**
Well Location:	**1909 110th St** **Lubbock, TX 79423**	Latitude:	**33° 29' 40.08" N**
		Longitude:	**101° 51' 33" W**
	Lot 57	Elevation:	**No Data**
Well County:	**Lubbock**		
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **8/12/2016** Drilling End Date: **8/15/2016**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8.75**	**0**	**136**

Drilling Method: **Mud (Hydraulic) Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**30**	**136**	**Gravel**	**.1875**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**30**	**Bentonite 7 Bags/Sacks**
	0	**30**	**Concrete 5 Bags/Sacks**

Seal Method: **Hand Mixed**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used** **Surface Completion by Driller**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **Submersible**

Well Tests: **Estimated** **No Test Data Specified**

	Strata Depth (ft.)	Water Type
Water Quality:	No Data	No Data

Chemical Analysis Made: No

Did the driller knowingly penetrate any strata which contained injurious constituents?: No

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Zar's Pump & Drilling Service**

6231 E. HWY 62
Lubbock, TX 79403

Driller Name: **Eleazar Lara** License Number: **4544**

Comments: **Mailing Address for Zar's Pump & Drilling Service**
P.O. Box 1454
Idalou, TX 79329

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	6	Topsoil
6	28	White gray sandy clay
28	33	White Rock
33	37	White tan sandstone
37	42	Brown rock
42	45	White brown sandstone with layers of white sandy clay
45	52	Brown rock
52	55	White rock
55	60	White red sandy clay
60	64	Brown rock
64	67	Tan white sandstone
67	75	White tan sandy clay
75	90	Pink sandy clay
90	97	Tan sandy clay with traces of gravel
97	116	Tan sandy clay with layers of gravel
116	122	Gravel

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
5	Blank	New Plastic (PVC)	0.035	0	96
5	Perforated or Slotted	New Plastic (PVC)	0.035	96	136

122	124	Tanish yellow clay
124	134	Tan sandy clay with sand gravel mix
134	136	Yellow blue clay

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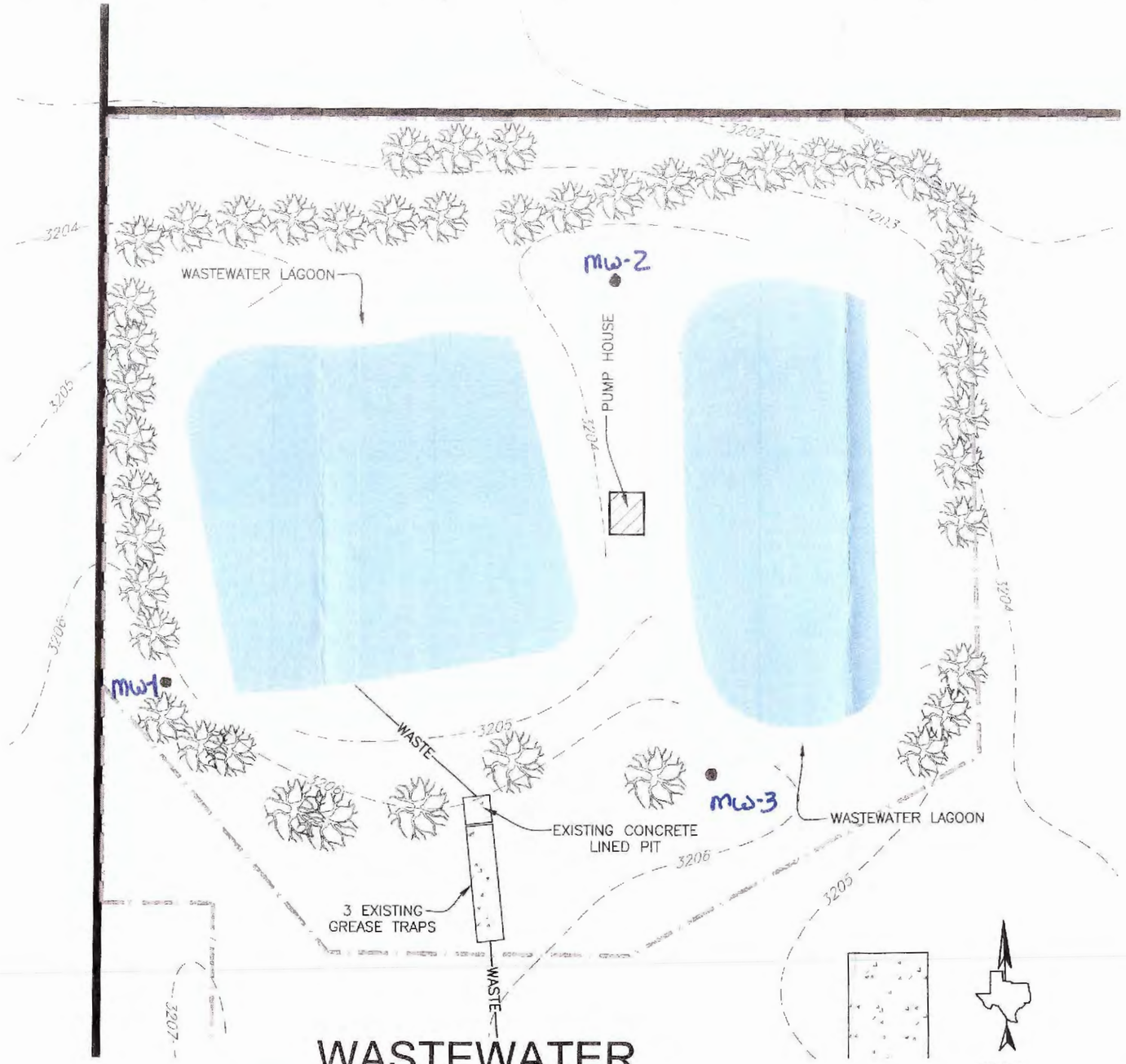
Austin, TX 78711
(512) 334-5540

LEGEND

- 3321 — EXISTING TOPOGRAPHIC CONTOURS FROM THE CITY OF LUBBOCK
- APPROXIMATE PROPERTY LINE (FOR REFERENCE ONLY)
- EXISTING FENCE
- WASTE — EXISTING WASTEWATER LINE
- EXISTING EDGE OF BUILDING
- EXISTING ASPHALT PAVING
- EXISTING CONCRETE PAVING
- EXISTING GRAVEL/CALICHE PAVING
- APPROXIMATE WATER SURFACE
- EXISTING POND LINER
- EXISTING TREE



WASTEWATER TREATMENT PLANT MAP

SCALE: 0 15' 30' 60'

DIAKONOS ENGINEERING
Diakonos Engineering, LLC
6502 Slide Road Suite 206
Lubbock, TX 79424
Phone: 806-472-9693
DiakonosEngineering.com
TBPE Firm # F- 20904

PRATERS FOODS
2206 114TH STREET
LUBBOCK, TEXAS 79423

THIS DOCUMENT IS RELEASED FOR REVIEW PURPOSES ONLY UNDER THE AUTHORITY OF WESTIN G. McCOWEN, P.E. No. 140309 ON OCTOBER 24, 2024.

No.	DATE	REVISIONS

DRAWN BY: WGM
JOB No. 24017

SHEET NAME: WASTEWATER TREATMENT PLANT MAP
FIGURE 3

ECRM PROJECT # 22001

Monitor Well Measurements
Praters Foods / USManufacturing

Date	Depth to Water (feet)	Depth to Bottom of Casing (feet)	Water Column Thickness (feet)
MW-1 (southwest of ponds)			
01/18/24	15.16	15.32	0.16
02/19/24	15.16	15.30	0.14
03/11/24	15.17	15.31	0.14
04/15/24	15.15	15.31	0.16
05/06/24	NM	NM	NM
05/30/24	NM	NM	NM
07/01/24	15.12	15.32	0.20
08/05/24	15.12	15.31	0.19
09/09/24	NM	NM	NM
10/07/24	15.14	NM	NM
11/25/24	NM	NM	NM
12/02/24	NM	NM	NM
Will be gauged quarterly in 2025. Not enough water to collect samples.			
MW-2 (north-central of ponds)			
01/18/24	15.02	15.33	0.31
02/19/24	15.02	15.33	0.31
03/11/24	15.02	15.34	0.32
04/15/24	15.03	15.32	0.29
05/06/24	NM	NM	NM
05/30/24	NM	NM	NM
07/01/24	15.00	15.34	0.34
08/05/24	15.01	15.32	0.31
09/09/24	NM	NM	NM
10/07/24	15.02	15.33	0.31
11/25/24	NM	NM	NM
12/02/24	NM	NM	NM
Will be gauged quarterly in 2025. Not enough water to collect samples.			
MW-3 (south-central of ponds)			
01/18/24	14.28	14.50	0.22
02/19/24	14.28	14.50	0.22
03/11/24	14.29	14.51	0.22
04/15/24	14.28	14.51	0.23
05/06/24	NM	NM	NM
05/30/24	NM	NM	NM
07/01/24	14.28	14.51	0.23

08/05/24	14.28	14.51	0.23
09/09/24	NM	NM	NM
10/07/24	14.28	14.51	0.23
11/25/24	NM	NM	NM
12/02/24	NM	NM	NM
Will be gauged in 2025. Not enough water to collect samples.			

ATTACHMENT 8

GROUNDWATER TECHNICAL REPORT

Groundwater Technical Report
Praters Foods
2206 114th Street, Lubbock, Texas

Praters Foods is situated over the Ogallala Aquifer, an unconfined sedimentary aquifer consisting of layers of sand, gravel, silt, clay, and caliche that extends from South Dakota to Texas. The caliche layers in the area and depth to groundwater act to inhibit water infiltration of precipitation. In addition, the semi-arid nature of west Texas tends to cause much of the precipitation does occur to evaporate, rather than infiltrate the soil/rock and migrate to groundwater. The primary route for aquifer recharge from precipitation occurs in playa lakes where the depth to groundwater is shallower. Praters Foods is not located in a playa lake.

Groundwater availability south of the Canadian River (north of Amarillo) becomes inconsistent as the compacted sediments are found in erosion valleys that were buried by alluvial and aeolian depositional forces. The Praters Foods facility is located over one of the groundwater zones with lower well yields.

Groundwater at Praters Foods is Class 1 drinking water. Key parameters of the aquifer include:

- Depth approximately 80-90 feet below grade
- Groundwater flows from northwest to southeast
- Saturated thickness ~ 60 feet
- Elevated concentrations of calcium carbonate require treatment
- Areas of increasing arsenic, fluoride, and/or nitrate concentrations require treatment
- Analysis of Praters Foods' domestic well has revealed no evidence of e. coli bacteria.

Surrounding properties are outside the city limits of Lubbock, with the exception of the property to the west, which was recently added to the city. As a result, there are a number of private water wells in the area of Praters Foods. There are five (5) irrigation wells and one (1) domestic well on the Praters Foods property. An additional 15 water wells were identified within 500' of the facility through review of Texas Water Development Board (https://www3.twdb.texas.gov/apps/WaterDataInteractive/GroundwaterDataViewer/?map=sdr) and Texas Commission on Environmental Quality (https://www.tceq.texas.gov/gis/waterwellview.html) interactive maps. The significant majority of these wells were domestic use.

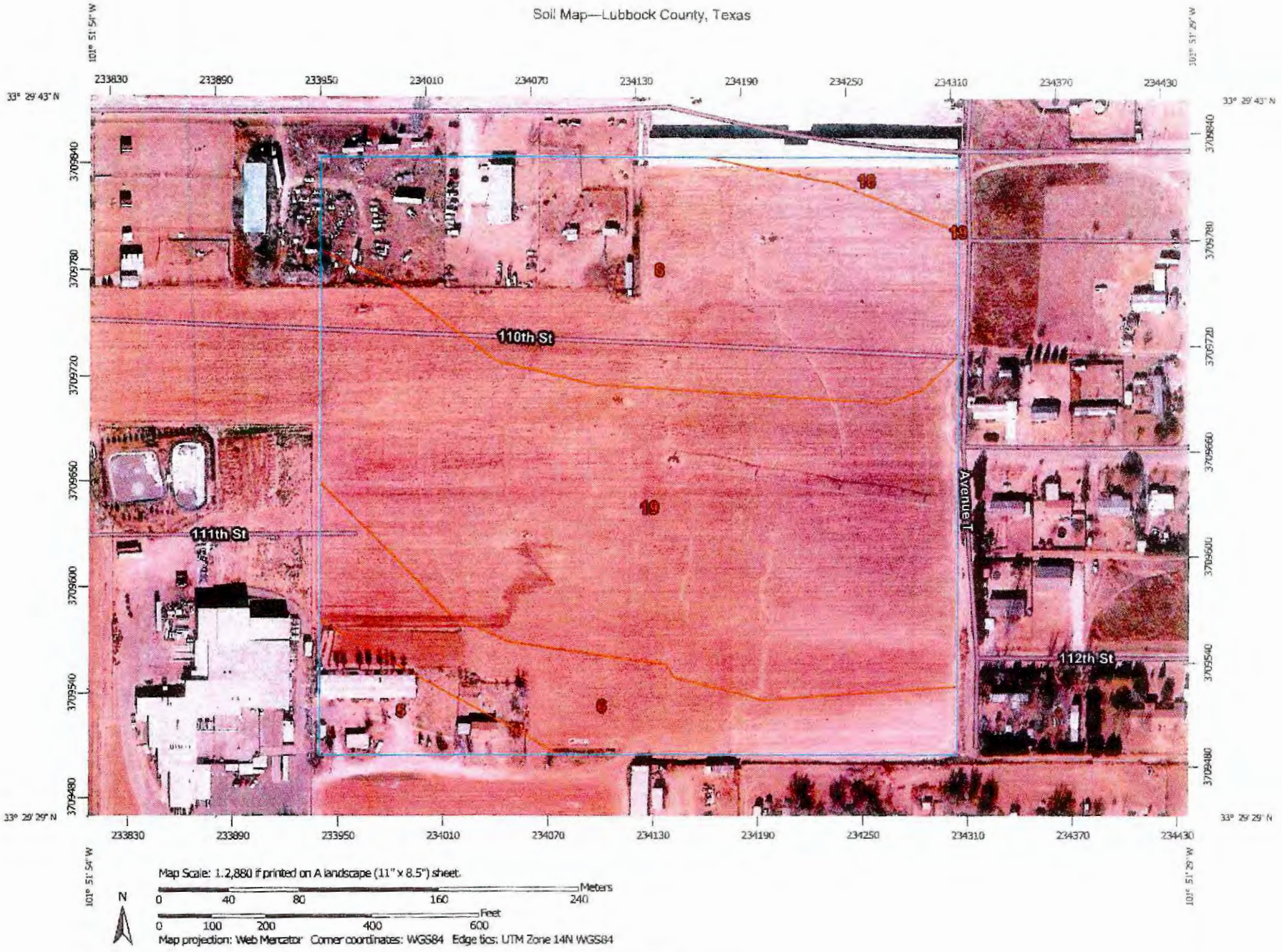
The risk to groundwater from land application of Praters Foods' process water effluent is deemed to be low.

Source: *High Plains Underground Water Conservation District, https://www.hpwd.org, 2025.*

ATTACHMENT 9

SOIL MAP AND SOIL INFORMATION

Soil Map—Lubbock County, Texas



MAP LEGEND

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

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

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

Water Features
- Streams and Canals

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

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

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

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

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

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

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

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

Soil Survey Area: Lubbock County, Texas
Survey Area Data: Version 9, Dec 12, 2013

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

Date(s) aerial images were photographed: Aug 3, 2010—Jan 5, 2011

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

Map Unit Legend

Lubbock County, Texas (TX303)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
5	Amarillo fine sandy loam, 0 to 1 percent slopes	1.3	4.3%
6	Amarillo fine sandy loam, 1 to 3 percent slopes	4.3	14.0%
8	Arch loam, 0 to 3 percent slopes	9.9	32.2%
18	Estacado clay loam, 0 to 1 percent slopes	0.6	2.0%
19	Estacado clay loam, 1 to 3 percent slopes	14.6	47.5%
Totals for Area of Interest		30.7	100.0%

1.29 ac.
4.20 ac.
9.66 ac.
0.60 ac.
14.25 ac.
30.00 ac.

Engineering Properties

This table gives the engineering classifications and the range of engineering properties for the layers of each soil in the survey area.

Hydrologic soil group is a group of soils having similar runoff potential under similar storm and cover conditions. The criteria for determining Hydrologic soil group is found in the National Engineering Handbook, Chapter 7 issued May 2007(http://directives.sc.egov.usda.gov/OpenNonWebContent.aspx?content=17757.wba). Listing HSGs by soil map unit component and not by soil series is a new concept for the engineers. Past engineering references contained lists of HSGs by soil series. Soil series are continually being defined and redefined, and the list of soil series names changes so frequently as to make the task of maintaining a single national list virtually impossible. Therefore, the criteria is now used to calculate the HSG using the component soil properties and no such national series lists will be maintained. All such references are obsolete and their use should be discontinued. Soil properties that influence runoff potential are those that influence the minimum rate of infiltration for a bare soil after prolonged wetting and when not frozen. These properties are depth to a seasonal high water table, saturated hydraulic conductivity after prolonged wetting, and depth to a layer with a very slow water transmission rate. Changes in soil properties caused by land management or climate changes also cause the hydrologic soil group to change. The influence of ground cover is treated independently. There are four hydrologic soil groups, A, B, C, and D, and three dual groups, A/D, B/D, and C/D. In the dual groups, the first letter is for drained areas and the second letter is for undrained areas.

The four hydrologic soil groups are described in the following paragraphs:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

Depth to the upper and lower boundaries of each layer is indicated.

Texture is given in the standard terms used by the U.S. Department of Agriculture. These terms are defined according to percentages of sand, silt, and clay in the fraction of the soil that is less than 2 millimeters in diameter. "Loam," for example, is soil that is 7 to 27 percent clay, 28 to 50 percent silt, and less than 52 percent sand. If the content of particles coarser than sand is 15 percent or more, an appropriate modifier is added, for example, "gravelly."

Classification of the soils is determined according to the Unified soil classification system (ASTM, 2005) and the system adopted by the American Association of State Highway and Transportation Officials (AASHTO, 2004).

The Unified system classifies soils according to properties that affect their use as construction material. Soils are classified according to particle-size distribution of the fraction less than 3 inches in diameter and according to plasticity index, liquid limit, and organic matter content. Sandy and gravelly soils are identified as GW, GP, GM, GC, SW, SP, SM, and SC; silty and clayey soils as ML, CL, OL, MH, CH, and OH; and highly organic soils as PT. Soils exhibiting engineering properties of two groups can have a dual classification, for example, CL-ML.

The AASHTO system classifies soils according to those properties that affect roadway construction and maintenance. In this system, the fraction of a mineral soil that is less than 3 inches in diameter is classified in one of seven groups from A-1 through A-7 on the basis of particle-size distribution, liquid limit, and plasticity index. Soils in group A-1 are coarse grained and low in content of fines (silt and clay). At the other extreme, soils in group A-7 are fine grained. Highly organic soils are classified in group A-8 on the basis of visual inspection.

If laboratory data are available, the A-1, A-2, and A-7 groups are further classified as A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-7-5, or A-7-6. As an additional refinement, the suitability of a soil as subgrade material can be indicated by a group index number. Group index numbers range from 0 for the best subgrade material to 20 or higher for the poorest.

Rock fragments larger than 10 inches in diameter and 3 to 10 inches in diameter are indicated as a percentage of the total soil on a dry-weight basis. The percentages are estimates determined mainly by converting volume percentage in the field to weight percentage

Percentage (of soil particles) passing designated sieves is the percentage of the soil fraction less than 3 inches in diameter based on an ovendry weight. The sieves, numbers 4, 10, 40, and 200 (USA Standard Series), have openings of 4.76, 2.00, 0.420, and 0.074 millimeters, respectively. Estimates are based on laboratory tests of soils sampled in the survey area and in nearby areas and on estimates made in the field.

Liquid limit and *plasticity index* (Atterberg limits) indicate the plasticity characteristics of a soil. The estimates are based on test data from the survey area or from nearby areas and on field examination.

References:

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Physical Soil Properties

This table shows estimates of some physical characteristics and features that affect soil behavior. These estimates are given for the layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils.

Depth to the upper and lower boundaries of each layer is indicated.

Particle size is the effective diameter of a soil particle as measured by sedimentation, sieving, or micrometric methods. Particle sizes are expressed as classes with specific effective diameter class limits. The broad classes are sand, silt, and clay, ranging from the larger to the smaller.

Sand as a soil separate consists of mineral soil particles that are 0.05 millimeter to 2 millimeters in diameter. In this table, the estimated sand content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

Silt as a soil separate consists of mineral soil particles that are 0.002 to 0.05 millimeter in diameter. In this table, the estimated silt content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

Clay as a soil separate consists of mineral soil particles that are less than 0.002 millimeter in diameter. In this table, the estimated clay content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of sand, silt, and clay affects the physical behavior of a soil. Particle size is important for engineering and agronomic interpretations, for determination of soil hydrologic qualities, and for soil classification.

The amount and kind of clay affect the fertility and physical condition of the soil and the ability of the soil to adsorb cations and to retain moisture. They influence shrink-swell potential, saturated hydraulic conductivity (Ksat), plasticity, the ease of soil dispersion, and other soil properties. The amount and kind of clay in a soil also affect tillage and earthmoving operations.

Moist bulk density is the weight of soil (ovendry) per unit volume. Volume is measured when the soil is at field moisture capacity, that is, the moisture content at 1/3- or 1/10-bar (33kPa or 10kPa) moisture tension. Weight is determined after the soil is dried at 105 degrees C. In the table, the estimated moist bulk density of each soil horizon is expressed in grams per cubic centimeter of soil material that is less than 2 millimeters in diameter. Bulk density data are used to compute linear extensibility, shrink-swell potential, available water capacity, total pore space, and other soil properties. The moist bulk density of a soil indicates the pore space available for water and roots. Depending on soil texture, a bulk density of more than 1.4 can restrict water storage and root penetration. Moist bulk density is influenced by texture, kind of clay, content of organic matter, and soil structure.

Saturated hydraulic conductivity (Ksat) refers to the ease with which pores in a saturated soil transmit water. The estimates in the table are expressed in terms of micrometers per second. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Saturated hydraulic conductivity (Ksat) is considered in the design of soil drainage systems and septic tank absorption fields.

Available water capacity refers to the quantity of water that the soil is capable of storing for use by plants. The capacity for water storage is given in inches of water per inch of soil for each soil layer. The capacity varies, depending on soil properties that affect retention of water. The most important properties are the content of organic matter, soil texture, bulk density, and soil structure. Available water capacity is an important factor in the choice of plants or crops to be grown and in the design and management of irrigation systems. Available water capacity is not an estimate of the quantity of water actually available to plants at any given time.

Linear extensibility refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. It is an expression of the volume change between the water content of the clod at 1/3- or 1/10-bar tension (33kPa or 10kPa tension) and oven dryness. The volume change is reported in the table as percent change for the whole soil. The amount and type of clay minerals in the soil influence volume change.

Linear extensibility is used to determine the shrink-swell potential of soils. The shrink-swell potential is low if the soil has a linear extensibility of less than 3 percent; moderate if 3 to 6 percent; high if 6 to 9 percent; and very high if more than 9 percent. If the linear extensibility is more than 3, shrinking and swelling can cause damage to buildings, roads, and other structures and to plant roots. Special design commonly is needed.

Organic matter is the plant and animal residue in the soil at various stages of decomposition. In this table, the estimated content of organic matter is expressed as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter. The content of organic matter in a soil can be maintained by returning crop residue to the soil.

Organic matter has a positive effect on available water capacity, water infiltration, soil organism activity, and tilth. It is a source of nitrogen and other nutrients for crops and soil organisms.

Erosion factors are shown in the table as the K factor (Kw and Kf) and the T factor. Erosion factor K indicates the susceptibility of a soil to sheet and rill erosion by water. Factor K is one of six factors used in the Universal Soil Loss Equation (USLE) and the Revised Universal Soil Loss Equation (RUSLE) to predict the average annual rate of soil loss by sheet and rill erosion in tons per acre per year. The estimates are based primarily on percentage of silt, sand, and organic matter and on soil structure and Ksat. Values of K range from 0.02 to 0.69. Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water.

Erosion factor Kw indicates the erodibility of the whole soil. The estimates are modified by the presence of rock fragments.

Erosion factor Kf indicates the erodibility of the fine-earth fraction, or the material less than 2 millimeters in size.

Erosion factor T is an estimate of the maximum average annual rate of soil erosion by wind and/or water that can occur without affecting crop productivity over a sustained period. The rate is in tons per acre per year.

Wind erodibility groups are made up of soils that have similar properties affecting their susceptibility to wind erosion in cultivated areas. The soils assigned to group 1 are the most susceptible to wind erosion, and those assigned to group 8 are the least susceptible. The groups are described in the "National Soil Survey Handbook."

Wind erodibility index is a numerical value indicating the susceptibility of soil to wind erosion, or the tons per acre per year that can be expected to be lost to wind erosion. There is a close correlation between wind erosion and the texture of the surface layer, the size and durability of surface clods, rock fragments, organic matter, and a calcareous reaction. Soil moisture and frozen soil layers also influence wind erosion.

Reference:
United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. (http://soils.usda.gov)

Report—Physical Soil Properties

Physical Soil Properties–Lubbock County, Texas															
Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	*Pct*	*Pct*	*Pct*	*g/cc*	*micro m/sec*	*In/In*	*Pct*	*Pct*					
5—Amarillo fine sandy loam, 0 to 1 percent slopes														
Amarillo	0-14	-66-	-20-	10-14-18	1.35-1.60	14.00-42.00	0.11-0.15	0.0-2.9	0.5-1.0	.24	.24	5	3	86
	14-46	-55-	-17-	20-28-35	1.30-1.65	4.00-14.00	0.14-0.18	0.0-2.9	0.1-0.5	.32	.32			
	46-80	-55-	-17-	20-28-35	1.40-1.80	4.00-14.00	0.10-0.15	0.0-2.9	0.1-0.5	.32	.32			
6—Amarillo fine sandy loam, 1 to 3 percent slopes														
Amarillo	0-14	-66-	-20-	10-14-18	1.35-1.60	14.00-42.00	0.11-0.15	0.0-2.9	0.5-1.0	.24	.24	5	3	86
	14-46	-55-	-17-	20-28-35	1.30-1.65	4.00-14.00	0.14-0.18	0.0-2.9	0.1-0.5	.32	.32			
	46-80	-55-	-17-	20-28-35	1.40-1.80	4.00-14.00	0.10-0.15	0.0-2.9	0.1-0.5	.32	.32			
8—Arch loam, 0 to 3 percent slopes														
Arch	0-9	-42-	-38-	15-20-25	1.40-1.50	4.00-14.00	0.14-0.16	0.0-2.9	0.8-1.0	.37	.49	3	4L	86
	9-17	-56-	-18-	18-27-35	1.40-1.50	4.00-14.00	0.14-0.16	3.0-5.9	0.1-0.5	.37	.37			
	17-62	-34-	-38-	18-28-35	1.40-1.50	4.00-14.00	0.13-0.15	3.0-5.9	0.1-0.5	.32	.32			

Physical Soil Properties–Lubbock County, Texas														
Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Saturated hydraulic conductivity	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	*Pct*	*Pct*	*Pct*	*g/cc*	*micro m/sec*	*In/In*	*Pct*	*Pct*					
18—Estacado clay loam, 0 to 1 percent slopes														
Estacado	0-16	-34-	-37-	27-29- 30	1.30-1.45	4.00-14 00	0.12-0.18	0.0-2.9	1.0-3 0	.32	.32	5	5	56
	16-28	-35-	-38-	20-28- 35	1.35-1.55	4.00-14 00	0.12-0.18	3.0-5.9	0.5-1.0	32	.32			
	28-66	-35-	-38-	20-28- 35	1.35-1.55	4.00-14.00	0 12-0.18	3.0-5.9	0 1-0.5	.32	.32			
	66-80	-35-	-38-	20-28- 35	1.40-1.60	4.00-14.00	0.10-0.18	3.0-5.9	0.1-0.5	.32	.32			
19—Estacado clay loam, 1 to 3 percent slopes														
Estacado	0-16	-34-	-37-	27-29- 30	1.30-1.45	4.00-14.00	0.12-0.18	0.0-2.9	1.0-3.0	.32	.32	5	5	56
	16-28	-35-	-38-	20-28- 35	1.35-1.55	4.00-14.00	0 12-0.18	3.0-5.9	0.5-1.0	32	.32			
	28-66	-35-	-38-	20-28- 35	1.35-1.55	4.00-14.00	0.12-0.18	3.0-5.9	0.1-0.5	32	.32			
	66-80	-35-	-38-	20-28- 35	1.40-1.60	4.00-14.00	0.10-0.18	3.0-5.9	0.1-0.5	.32	.32			

Data Source Information

Soil Survey Area: Lubbock County, Texas
Survey Area Data: Version 9, Dec 12, 2013

ATTACHMENT 10

ENGINEERING REPORT

Attachment 10
Engineering Report
(Water Balance, Storage Volume Calculations, Nitrogen Balance)

USM Manufacturing LLC (operating as Praters Foods) generates wastewater during cleanup and sanitation procedures related to the production of smoked baked meat products (turkey, chicken, brisket, ham, and bacon), gravy, vegetable casseroles, and cornbread dressing. The facility is currently permitted to land apply a maximum of 22,000 gallons per day of process wastewater that has been treated via three steps:

1) A grease trap (oil-water separator) separates out the majority of fats, oils and grease. The fats, oils, and grease are removed via vacuum truck and hauled offsite for disposal at Southwaste Disposal. The process wastewater then gravity feeds to the primary wastewater treatment pond (West Pond).

2) Process wastewater leaves the grease trap and enters the West Pond. The West Pond contains aerobic microbes that digests remaining fats, oils, and grease, generating carbon dioxide. The microbes are aided by two mechanical aerators that agitate the water, thereby providing oxygen for the microbes.

   At the maximum allowable level, maintaining 2 feet of freeboard for precipitation events, the surface area of the West Pond's water surface is approximately 8,000 feet^2 (80 feet wide and 100 feet long). With an approximate 1:2 slope and a depth of 8 feet, the storage capacity in the West Pond is estimated to be 45,056 feet^3 (x 7.48 gallons/feet^3 = 337,019 gallons). There is no infiltration loss, as the West Pond has a geosynthetic liner.

   Approximately 600 gallons of wastewater per day, on average, are lost to evaporation in the West Pond. This was calculated by multiplying the length of the pond by the width of the pond to obtain the pond surface area. The 10-year average of net annual evaporation losses was obtained from *Water Data for Texas, https://waterdatafortexas.org/lake-evaporation-rainfall; Texas Water Development Board).* The surface area of the pond was multiplied by the average annual net loss, then multiplied by 7.48 gallons per cubic foot to arrive at the annual loss. Calculations are shown at the end of this report.

   After 3 days, treated process wastewater is pumped into the secondary wastewater treatment pond (East Pond), via a transfer pump located in a pump house between the East and West Ponds.

3) In the East Pond, the process wastewater is further treated with aerobic microbes and mechanical aeration (1 aerator). This pond also acts as storage for the system.

The East Pond, which also has an approximate slope of 1:2 and depth of 8 feet, has a maximum surface area (allowing for 2 feet of freeboard) of 5,600 feet^2 (40 feet wide and 140 feet long). With this data in mind, the East Pond has an estimated volume of approximately 25,856 feet^3 (x 7.48 gallons/feet^3 = 193,403 gallons).There is no infiltration loss, as the East Pond has a geosynthetic liner.

Approximately 420 gallons of water are lost per day to evaporation, as calculated using the procedure detailed in #2 above. Calculations are shown at the end of this report.

After 4 days, the water is pumped to irrigation via the transfer pump located between the West and East Ponds.

4) A maximum permitted amount of 22,000 gallons is land applied to 30 acres of Coastal Bermudagrass owned by Praters Foods and located northeast and north of the main plant. The water is applied via an irrigation pivot and a series of pivot sprinklers. The land application area is bermed to prevent runoff from leaving the property to the north. No fertilizers are added to the crop, other than the nutrients in the treated wastewater.

On a monthly basis, the treated wastewater that is being land applied is sampled for Biological Oxygen Demand (BOD), Nitrate Nitrogen, Nitrite Nitrogen, and TKN. Once every three months, the treated wastewater sample is also analyzed for Oil & Grease and pH. Current permit limits are 20 milligrams per liter (mg/l) Oil & Grease daily maximum and pH between 6.0 and 9.0. In addition, the permitted Hydraulic Loading Rate, Nitrogen Loading Rate, and Organic Loading Rates are calculated, with limits of 0.80 acre-feet/acre/year, 180 pounds/acre/year, and 100 pounds/acre/day, respectively. Formulas are as follows:

Hydraulic Loading Rate = Avg daily flow (gal) x 365 days x 1 acre-foot x 1 / 1 / 325,853 gal / 30 acres

Nitrogen Loading Rate = Total Nitrogen (mg/l) x 0.0000086 lbs x Avg daily flow (gal) x 1 / gal / 1 x 365 days / year x 1 / 30 acres

Organic Loading Rate = BOD (mg/l) x 0.0000086 lb x Avg daily flow (gal) x 1 / 1 / gal / 1 / 30 acres

Net evaporation loss data (TWDB Quadrangle 406) used in #2 and #3 (inches):

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2014	4.12	2.10	6.39	7.79	3.96	6.32	7.56	7.76	-1.72	5.26	1.48	1.52
	Total = 53.38											
2015	0.21	1.91	3.23	3.74	-4.92	5.27	5.08	8.67	7.44	2.63	2.46	1.13
	Total = 36.78											
2016	2.16	4.17	5.76	4.44	1.30	5.05	7.92	4.28	1.92	6.55	2.58	2.28
	Total = 48.18											
2017	0.69	3.08	4.54	3.97	6.12	4.72	3.93	2.33	1.33	6.06	5.00	2.82
	Total = 44.61											
2018	4.46	4.12	6.05	7.98	8.05	9.78	8.94	7.57	1.86	-2.71	2.97	1.61
	Total = 62.06											
2019	2.77	3.21	3.27	2.17	-1.41	5.92	8.71	9.61	2.96	6.71	2.03	3.66
	Total = 48.86											
2020	2.87	2.58	1.54	5.19	4.44	6.96	5.71	9.09	4.61	5.19	3.92	2.54
	Total = 54.90											
2021	0.43	2.00	4.37	4.37	-0.55	1.89	3.41	4.32	4.36	5.91	4.84	5.19
	Total = 39.94											
2022	3.30	2.30	7.64	8.47	2.58	9.84	11.47	4.59	4.51	4.08	3.64	3.17
	Total = 65.59											
2023	2.96	2.41	4.24	5.05	0.07	3.81	6.04	9.28	3.52	1.15	3.27	1.16
	Total = 42.96 (gross 66")											

Average net evaporative loss over 10 years (2014-2023) = 49.73 inches per year (0.14 inches per day; 0.01 feet per day)

Water Data for Texas, https://waterdatafortexas.org/lake-evaporation-rainfall; Texas Water Development Board 20250224

Evaporation Loss Calculations:

80 feet x 100 feet = 8,000 feet^2 x 0.01 feet per day = 80 cubic feet per day x 7.48 gal/foot^3 = 600 gal per day evaporative loss (average)

40 feet x 140 feet = 5,600 feet^2 x 0.01 feet per day = 56 cubic feet per day x 7.48 gal/foot^3 = 420 gal per day evaporative loss (average)

Water Balance Calculations

(all units in inches of water per acre of irrigated area, unless otherwise specified)

USM Manufacturing, LLC; Permit No. WQ0004443000

NOTE: Water balance calculations are designed to evaluate the maximum application rate (hydraulic loading rate) for the land application area.

Month (1)	Avg Rain (2)	Avg Runoff* (3)	Avg Infill Rainfall (4)	Evapo-transp. (5)	Required Leaching (6)	Total Water Needs (7)	Effl Needed Root Zone (8)	Net Evap. Reservoir Ft. (9A)	Net Evap. Reservoir Surf (9B)	Effl to be Applied to Land (10)	Consump. from Reservoir (11)
Jan.	0.68	0.00	0.68	1.20	0.14	1.34	0.67	0.20	0.02	0.79	0.81
Feb.	0.42	0.01	0.41	2.10	0.46	2.56	2.15	0.23	0.03	2.53	2.56
Mar.	0.86	0.03	0.83	4.60	1.03	5.63	4.80	0.39	0.05	5.64	5.69
Apr.	1.05	0.07	0.98	5.40	1.21	6.61	5.63	0.44	0.05	6.62	6.67
May	4.15	2.01	2.14	8.80	1.82	10.62	8.47	0.16	0.02	9.97	9.99
Jun.	2.58	0.84	1.74	19.80	4.93	24.73	22.99	0.50	0.06	27.04	27.10
Jul.	1.86	0.41	1.45	9.40	2.17	11.57	10.12	0.57	0.07	11.90	11.97
Aug.	2.08	0.53	1.55	6.50	1.35	7.85	6.30	0.56	0.07	7.41	7.48
Sep.	2.98	1.11	1.87	6.60	1.29	7.89	6.03	0.08	0.01	7.09	7.10
Oct.	2.01	0.49	1.52	5.00	0.95	5.95	4.43	0.34	0.04	5.21	5.25
Nov.	0.95	0.05	0.90	2.30	0.38	2.68	1.78	0.31	0.04	2.09	2.13
Dec.	0.78	0.02	0.76	1.00	0.06	1.06	0.30	0.21	0.03	0.35	0.38
Total	20.40	0.00	14.84	72.70	15.78	88.48	73.64	3.99	0.49	86.64	87.14

Parameter	Value	Units				
Crop	Alfalfa	**Maximum Application Rate = Consumption from Reservoir / 12 mos.**				
CN	78.00	Row Crop; Hydrologic Soil Group: B			=	**7.26** **Ac-in/ac/month**
Ce	1.50					
Cl	7.00					
Pond Area	0.31	acres				
Irrig. Area	30.00	acres				
Irrig. Eff. K	0.85					
Design Flow	0.022	MGD				
Effluent Avail. Appl	0.81	AC-IN/AC/MO	(22,000 gal/ day)	1 acre-foot/ 325,851 gal	12 in / 1 foot	

(2) Average Rainfall Data Source = Texas Water Development Board, Quadrangle 406 2014-2023

(3) Average Runoff = [(average rainfall-(0.2*((1000/CN)-10)))]^2/((average rainfall+(0.8*((1000/CN)-10))))

(4) Average Infiltrated Rainfall = (average rainfall-average runoff)

(5) Evapotranspiration Data Source = Borelli, Bulletin 6019

(6) Required leaching:

If evapotranspiration - average infiltrated rainfall <0, then 0.

If evapotranspiration - average infiltrated rainfall >0, then Ce/(Cl-Ce)*(evapotranspiration-avg infiltrated rainfall)

(7) Total Water Needs = evapotranspiration+ required leaching

(8) Effluent Needed in Root Zone = Total Water Needs - Average Infiltrated Rainfall

(9A) Net Evaporation Data Source = Texas Water Development Board, Quadrangle 406 2014-2023

(9B) Net Evaporation From Reservoir Surface = (net evaporation from reservoir*12)*((pond area)/(irrigation area))

(10) Effluent Needed Based on Irrigation Efficiency = (effluent needed in root zone)/(irrigation efficiency)

(11) Consumption from Reservoir - Net Evaporation from Reservoir Surface + Effluent Needed based on Irrigation Efficiency

***NOTE: Numbers are conservative as existing berm on site prevents runoff from leaving the subject property.**

Average Rainfall

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0.00	0.38	0.12	0.22	4.19	3.01	1.96	1.43	6.97	0.39	1.71	0.37
1.57	0.57	0.31	2.35	10.84	2.53	3.71	0.82	0.54	3.80	1.93	1.91
0.46	0.23	0.45	1.38	4.04	1.76	0.86	3.98	3.53	0.55	1.73	0.89
2.30	1.35	1.22	1.65	0.74	2.66	3.44	3.87	3.62	0.46	0.11	0.07
0.02	0.18	0.97	0.11	2.04	2.31	1.49	2.13	4.33	5.96	0.39	1.26
0.03	0.03	1.35	3.47	3.97	2.90	0.82	0.76	4.67	0.34	2.11	0.44
0.64	0.67	2.87	0.03	2.86	1.93	1.06	0.61	1.01	0.90	0.20	0.45
1.12	0.21	1.17	0.71	5.21	4.43	2.51	2.47	0.40	0.71	0.16	0.13
0.26	0.24	0.08	0.00	2.28	1.26	0.42	4.15	1.06	2.48	1.01	0.35
0.43	0.32	0.04	0.56	5.31	3.02	2.34	0.57	3.65	4.46	0.10	1.97
0.68	0.42	0.86	1.05	4.15	2.58	1.86	2.08	2.98	2.01	0.95	0.78
0.03	0.02	0.04	0.05	0.20	0.13	0.09	0.10	0.15	0.10	0.05	0.04

Net Evaporation

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
4.12	2.10	6.39	7.79	3.96	6.32	7.56	7.76	-1.72	5.26	1.48	1.52
0.21	1.91	3.23	3.74	-4.92	5.27	5.08	8.67	7.44	2.63	2.46	1.13
2.16	4.17	5.76	4.44	1.30	5.05	7.92	4.28	1.92	6.55	2.58	2.28
0.69	3.08	4.54	3.97	6.12	4.72	3.93	2.33	1.33	6.06	5.00	2.82
4.46	4.12	6.05	7.98	8.05	9.78	8.94	7.57	1.86	-2.71	2.97	1.61
2.77	3.21	3.27	2.17	-1.41	5.92	8.71	9.61	2.96	6.71	2.03	3.66
2.87	2.58	1.54	5.19	4.44	6.96	5.71	9.09	4.61	5.19	3.92	2.54
0.43	2.00	4.37	4.37	-0.55	1.89	3.41	4.32	4.36	5.91	4.84	5.19
3.30	2.30	7.64	8.47	2.58	9.84	11.47	4.59	4.51	4.08	3.64	3.17
2.96	2.41	4.24	5.05	0.07	3.81	6.04	9.28	3.52	1.15	3.27	1.16
2.40	2.79	4.70	5.32	1.96	5.96	6.88	6.75	3.08	4.08	3.22	2.51

Storage Calculations

(all units in inches of water per acre of irrigated area, unless otherwise specified)

USM Manufacturing, LLC; Permit No. WQ0004440000

NOTE: Storage calculations are designed to evaluate the surface area of the ponds. The ponds must have enough surface area to evaporation all the flow to the ponds under low-net evaporation and maximum annual rainfall conditions.

Month (12)	Rain Dist. % (13)	Rain Worst Year (14)	Field Runoff Worst Year (15)	Infiltrat. Rain Check (16)	Infiltrat. Rain (17)	Available Water (18a)	Net Low Evap Mean Dist. % (18b)	Net Low Evap Reservoir Surface (19)	Storage (20)	Accum. Storage (21)
Jan.	3	1.00	0.03	0.97	0.97	1.78	3.77	0.01	0.53	0.00
Feb.	2	0.67	0.00	0.66	0.66	1.47	4.63	0.01	-0.69	0.00
Mar.	4	1.33	0.11	1.22	1.22	2.03	8.38	0.03	0.71	0.00
Apr.	5	1.66	0.23	1.43	1.43	2.24	10.94	0.04	-0.72	0.00
May	20	6.65	3.84	2.81	2.81	3.62	8.94	0.03	-0.71	0.00
Jun.	13	4.32	1.91	2.41	2.41	3.22	11.74	0.04	0.72	0.00
Jul.	9	2.99	0.96	2.04	2.04	2.85	14.36	0.05	-0.73	0.00
Aug.	10	3.33	1.18	2.15	2.15	2.96	11.50	0.04	-0.72	0.00
Sep.	15	4.99	2.44	2.55	2.55	3.36	7.91	0.03	-0.71	0.00
Oct.	10	3.33	1.18	2.15	2.15	2.96	7.68	0.02	-0.70	0.00
Nov.	5	1.66	0.23	1.43	1.43	2.24	6.15	0.02	-0.70	0.00
Dec.	4	1.33	0.11	1.22	1.22	2.03	4.02	0.01	-0.69	0.00
Total	100	33.25	12.22	21.03	21.03	30.75	100.02	0.33	-7.31	0.00

Parameter	Value	Units
Low Net Evap	2.59	feet
Storage Req. Max.	2.01	Ac-ft
Annual Rain	33.25	inches

(13) Rainfall Distribution Data Source = Texas Water Development Board, Quadrangle 406

(14) Rainfall Worst Year = ((rainfall distribution/100)*maximum annual rainfall

(15) Field Runoff Worst Year = ((rainfall worst year-(0.2*(1000/CN-10)))^2((rainfall worst year+((1000/CN)-10))

(16) Infiltration Rain Check = this colum is used to convert any negative numbers to zero from column 17.

(17) Infiltrated Rianfall = (rainfall worst year - field runoff worst year)

(18A) Available Water = (Effluent Available for Land Applcatrion + Infiltrated Rain Check)

(19) Net Low Evaporation from Reservoir Surface = ((low net evaporation * ((net low evap. Mean distribution/200)*12)*((pond area)/(irrigation

(20) Storage:

If (total water deeds-infiltrated rainfall)<0, (effluent available for land application - net low evaporration from reservoir surfaces)

If (total water needs-infiltrated rainfall)<0, (effluent available for land application - net low evaporation from reservoir surfaces)-((total wate

(21) Accumulated Storage:

If net low evaporation from reservoir surface + storage < or equal to 0, then 0

If net low evaporation from reservoir surface + storage > 0, enter value