



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

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

This template is a guide to assist applicant's in developing a plain language summary as required by [30 Texas Administrative Code Chapter 39 Subchapter H](#). Applicant's 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 Texas Administrative Code §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.

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

Nutri-Feeds, L.L.C. (CN603708132) operates the Nutri-Feeds facility RN102287257, a rendering and pet food production facility. The facility is located at 3261 Tierra Blanca Road in Hereford, Deaf Smith County, Texas 79045. The Site is seeking a renewal with minor permit amendment to the current permit. These changes include changing the treated wastewater sampling location in the current permit; the removal of the two 24,000-gallon skimmers; the removal of pet treats production activities from the site operations; changing the existing Anaerobic Lagoons 1 and 2 to aerobic treatment regime with Aerobic Treatment Lagoon 2 being equipped with a floating submerged mixer; updating the facility map representation of the pond capacity for the East Emergency Lagoon Pond 6 from 17.5MG to 38.9 MG; and removing Tejas Industries, Inc. (as depicted on the current permit) as a co-permittee, effective with this renewal.

Discharges from the facility are expected to contain wastewater effluent from boiler blowdown, equipment cleaning and sanitation, rendering plant scrubber units, stormwater runoff, Nutri-Feeds Rendering Operations, and washdown water (Hide plant, skinning floor, cannery). Bio-Amp™ is added to the wastewater for grease removal and settling solids and wastewater is pre-treated with chlorine dioxide before being pumped first to the Aerobic Treatment Lagoon 2, equipped with a floating submerged mixer and then to clay-lined Evaporation Lagoons 1 and 2 for evaporation. Brine wastewater is generated from the hide curing operation. Brine/saltwater generated from the hide curing operation is drained to the artificially lined Brine Lagoon for evaporation.

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 son representaciones federales exigibles de la solicitud de permiso.

Nutri-Feeds, L.L.C. (CN603708132) opera la instalación de Nutri-Feeds, RN102287257, una instalación de procesamiento y producción de alimentos para mascotas. La instalación está ubicada en 3261 Tierra Blanca Road, en Hereford, condado de Deaf Smith, Texas 79045. El sitio está buscando una renovación con una enmienda menor del permiso actual. Estos cambios incluyen cambiar la ubicación de muestreo de aguas residuales tratadas en el permiso actual; la retirada de los dos desnatadoras de grasas y aceites de 24.000 galones; la eliminación de las actividades de producción de golosinas para mascotas de las operaciones del sitio; cambiar las existentes Lagunas Anaeróbicas 1 y 2 a régimen de tratamiento aeróbico y Laguna de Tratamiento Aeróbico 2 equipada con un mezclador sumergido flotante; actualizar la representación del mapa de instalaciones de la capacidad del Estanque 6 de la Laguna de Emergencia Este de 17.5 millones de galones a 38.9 millones de galones; y eliminando a Tejas Industries, Inc. (como se muestra en el permiso actual) como coautor del permiso, a partir de esta renovación..

Se espera que las descargas de la instalación contengan efluentes de aguas residuales provenientes de la purga de calderas, limpieza y saneamiento de equipos, unidades de depuración de plantas de procesamiento, escorrentía de aguas pluviales, operaciones de procesamiento de Nutri-Feeds y agua de lavado (planta de cueros, piso de desollado, fábrica de conservas). Se agrega Bio-Amp™ a las aguas residuales para eliminar la grasa y sedimentar los sólidos, y las aguas residuales se tratan previamente con dióxido de cloro antes de bombearse primero a la Laguna de Tratamiento Aeróbico 2, equipada con un mezclador sumergido flotante y luego a las Lagunas de Evaporación 1 y 2 revestidas de arcilla para evaporación. Las aguas residuales de salmuera se generan a partir de la operación de curado de pieles. La salmuera/agua salada generada a partir de la operación de curado de pieles se drena a la Laguna de Salmuera revestida artificialmente para su evaporación.

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.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0001300000

APPLICATION. Nutri-Feeds, L.L.C., County Services, Inc., and GSM Land Holdings, Ltd., 3261 Tierra Blanca Road, Hereford, Texas 79045, which owns a rendering, pet food production, and hide curing facility, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0001300000 to authorize the disposal of treated wastewater and stormwater at a volume not to exceed a daily average flow of 288,055 gallons per day via evaporation, and the disposal of brine wastewater from the hide curing process shall not exceed a daily average flow of 3,280 gallons per day via evaporation. The facility and disposal area are located at 3261 Tierra Blanca Road, in the city of Hereford, in Deaf Smith County, Texas 79045. TCEQ received this application on June 24, 2024. The permit application will be available for viewing and copying at Hereford City Hall, 224 North Lee Street, Hereford, in Deaf Smith County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-102.461082,34.7596&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 Nutri-Feeds, LLC., County Services, Inc., and GSM Land Holdings, Ltd. at the address stated above or by calling Ms. Elena Ford, Braun Intertec Corporation, at 972-672-8786.

Issuance Date: September 05, 2024

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. WQ0001300000

SOLICITUD. Nutri-Feeds, LLC., County Services, Inc., and GSM Land Holdings, Ltd., ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) por una renovación Permiso No. WQ0001300000 de disposición de aguas residuales para autorizar la disposición de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 288,055 galones por día por medio de evaporación. La planta y el sitio de disposición están ubicadas en 3261 Tierra Blanca Road, en la ciudad de Hereford, en el Condado de Deaf Smith, Texas 79045. La TCEQ recibió esta solicitud el día 24 de junio del 2024. La solicitud para el permiso estará disponible para leerla y copiarla en Hereford City Hall, 224 North Lee Street, Hereford, in Deaf Smith County, Texas antes de la fecha de publicación de este aviso en el periódico. La aplicación, incluyendo las actualizaciones, y los avisos asociados están disponibles electrónicamente en la siguiente pagina web:

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

Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-102.461082,34.7596&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. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas de correos siguientes (1) la lista de correo permanente para recibir los avisos de el solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

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

También se puede obtener información adicional del Nutri-Feeds, LLC., County Services, Inc., and GSM Land Holdings, Ltd., a la dirección indicada arriba o llamando a Elena Ford, Braun Intertec Corporation, al 972-672-8786.

Fecha de emisión: 05 de septiembre de 2024

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

TCEQ INDUSTRIAL WASTEWATER PERMIT APPLICATION

INDUSTRIAL ADMINISTRATIVE REPORT 1.0

This report is required for all applications for TPDES permits and TLAPs. Contact the Applications Review and Processing Team at 512-239-4671 with any questions about completing this report

Item 1. Application Information and Fees (Instructions, Page 25)

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

Applicant Name: Nutri-Feeds, L.L.C. EPA ID No.: TX0 N/A

Permit No.: WQ0001300000 Expiration Date: December 1, 2024

- 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

- 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: The Site is seeking a renewal with minor permit amendment to the current permit. These changes include changing the treated wastewater sampling location in the current permit; the removal of the two 24,000-gallon skimmers; the removal of pet treats production activities from the site operations; changing the existing Anaerobic Lagoons 1 and 2 to aerobic treatment regime with Aerobic Treatment Lagoon 2 being equipped with a floating submerged mixer; updating the facility map representation of the pond capacity for the East Emergency Lagoon Pond 6 from 17.5MG to 38.9MG; and removing Tejas Industries, Inc. (as depicted on the current permit) as a co-permittee, effective with this renewal.

- 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)	<input type="checkbox"/> \$350	<input type="checkbox"/> \$350	<input checked="" type="checkbox"/> \$315	<input type="checkbox"/> \$150
Minor facility subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	<input type="checkbox"/> \$1,250	<input type="checkbox"/> \$1,250	<input type="checkbox"/> \$1,215	<input type="checkbox"/> \$150
Major facility	N/A ¹	<input type="checkbox"/> \$2,050	<input type="checkbox"/> \$2,015	<input type="checkbox"/> \$450

¹ All facilities are designated as minors until formally classified as a major by EPA.

For TCEQ Use Only

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

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: 709864

Copy of voucher attachment: Attachment A

Item 2. Applicant Information (Instructions, Pages 25)

- a. Customer Number, if applicant is an existing customer: CN603708132

Note: Locate the customer number using the [TCEQ's Central Registry Customer Search](#)².

- b. Legal name of the entity (applicant) applying for this permit: Nutri-Feeds, L.L.C.

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.)

☒ Mr. ☐ Ms. First/Last Name: Keith Bridwell

Title: Director of Operations

Credential: N/A

- d. Will the 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 3. Co-applicant Information (Instructions, Page 26)

- ☐ 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: County Services, Inc.

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): CN603310400

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.)

☒ Mr. ☐ Ms. First/Last Name: John D. Cates

Title: General Manager

Credential: N/A

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

² <https://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch>

☐ Yes ☒ No

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

Nutri-Feeds, L.L.C.
Renewal with Changes Application
3261 Tierra Blanca Road, in Hereford, Texas

Industrial Administrative Report 1.0

ITEM 3 Co-applicant Information

- a. Legal name of the entity (co-applicant) applying for this permit: GSM Land Holdings, Ltd.

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.

Customer Number (if applicant is an existing customer): CN604644328

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

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.)

☒ Mr. ☐ Ms. First/Last Name: Keith Bridwell

Title: Owner

Credential: N/A

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

☐ Yes ☒ No

Item 4. Core Data Form (Instructions, Pages 26)

- 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: B

Item 5. Application Contact Information (Instructions, Page 26)

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
☐ Mr. ☒ Ms. Full Name (First and Last): Cheryl Davison
Title: Office Manager Credential: N/A
Organization Name: Nutri-Feeds, L.L.C.
Mailing Address: 3261 Tierra Blanca Road
City: Hereford State: Texas Zip Code: 79045
Phone No: 806.357.2287 Fax No: N/A Email: cheryldavison@wtrt.net
- b. ☐ Administrative Contact ☒ Technical Contact
☐ Mr. ☒ Ms. Full Name (First and Last): Elena Ford
Title: Environmental Supervisor Credential: N/A
Organization Name: Braun Intertec Corporation
Mailing Address: 1124 Galveston Ave #102
City: Fort Worth State: Texas Zip Code: 76104
Phone No: 972-672-8786 Fax No: N/A Email: eford@braunintertec.com
Attachment: N/A

Item 6. Permit Contact Information (Instructions, Pages 26)

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

- a. ☒ Mr. ☐ Ms. Full Name (First and Last): Elena Ford
Title: Environmental Supervisor Credential: N/A
Organization Name: Braun Intertec Corporation
Mailing Address: 1124 Galveston Ave #102
City: Fort Worth State: Texas Zip Code: 76104
Phone No: 972.672.8786 Fax No: N/A Email: eford@braunintertec.com
- b. ☐ Mr. ☒ Ms. Full Name (First and Last): Janice King
Title: Principal Consultant Credential: N/A
Organization Name: Braun Intertec Corporation
Mailing Address: 2105 Donley Dr Suite #400
City: Austin State: Texas Zip Code: 78758
Phone No: 512.221.8902 Fax No: N/A Email: jaking@braunintertec.com

Attachment: N/A

Item 7. Billing Contact Information (Instructions, Page 27)

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.

☐ Mr. ☒ Ms. Full Name (First and Last): Cheryl Davison

Title: Office Manager Credential: N/A

Organization Name: Nutri-Feeds, L.L.C.

Mailing Address: 3261 Tierra Blanca Road

City: Hereford State: Texas

Zip Code: 79045

Phone No: 806.357.2287

Fax No: N/A

Email: cheryldavison@wtrt.net

Item 8. DMR/MER Contact Information (Instructions, Page 27)

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.

☐ Mr. ☒ Ms. Full Name (First and Last): Keith Bridwell

Title: Director of Operations Credential: N/A

Organization Name: Nutri-Feeds, L.L.C.

Mailing Address: 3261 Tierra Blanca Road

City: Hereford State: Texas

Zip Code: 79045

Phone No: 806.357.2287

Fax No: N/A

Email: brid@wtrt.net

Item 9. NOTICE INFORMATION (Instructions, Pages 27

a. Individual Publishing the Notices

☐ Mr. ☒ Ms. Full Name (First and Last): Elena Ford

Title: Environmental Supervisor Credential: N/A

Organization Name: Braun Intertec Corporation

Mailing Address: 1124 Galveston Ave #102

City: Fort Worth State: Texas

Zip Code: 76104

Phone No: 972-672-8786

Fax No: N/A

Email: eford@braunintertec.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: eford@braunintertec.com

☐ Fax: N/A

☐ Regular Mail (USPS)

Mailing Address: N/A

City: N/A

State: N/A

Zip Code: N/A

c. Contact in the Notice

☐ Mr. ☒ Ms Full Name (First and Last): Elena Ford

Title: Environmental Supervisor Credential: N/A

Organization Name: Braun Intertec Corporation

Phone No: 972-672-8786

Fax No: N/A

Email: eford@braunintertec.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: Hereford City Hall Lobby

Location within the building: Administrative

Physical Address of Building: 224 N Lee St City:

Hereford County: Deaf Smith

e. Bilingual Notice Requirements

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

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

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

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

☒ Yes ☐ No

If no, publication of an alternative language notice is not required; skip to 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 at the end of this application.

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 Pages 28-30)

- a. TCEQ issued Regulated Entity Number (RN), if available: RN102287257

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): Nutri-Feeds

- 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:

☒ Mr. ☐ Ms. Full Name (First and Last): Keith Bridwell

or Organization Name: Nutri-Feeds, L.L.C.

Mailing Address: 3261 Tierra Blanca Road

City: Hereford

State: Texas

Zip Code: 79045

Phone No: 806.357.2287

Fax No: N/A

Email: brid@wtrt.net

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

- f. Owner of land where treatment facility is or will be: GSM Land Holdings, Ltd.

☒ Mr. ☐ Ms. Full Name (First and Last): Keith Bridwell

or Organization Name: GSM Land Holdings, Ltd.

Mailing Address: 3261 Tierra Blanca Road

City: Hereford

State: Texas

Zip Code: 79045

Phone No: 806.357.2287

Fax No: N/A

Email: brid@wrt.net

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): GSM Land Holdings, Ltd.

☒ Mr. ☐ Ms. Full Name (First and Last): Keith Bridwell

or Organization Name: GSM Land Holdings, Ltd.

Mailing Address: 3261 Tierra Blanca Road

City: Hereford

State: Texas

Zip Code: 79045

Phone No: 806.357.2287

Fax No: N/A

Email: brid@wrt.net

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):

☐ Mr. ☐ Ms. Full Name (First and Last): N/A

or Organization Name: N/A

Mailing Address: N/A

City: N/A

State: N/A

Zip Code: N/A

Phone No: N/A

Fax 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. TDPES Discharge/TLAP Disposal Information (Instructions, Pages 30-32)

- 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

☐ Three-miles downstream information

☒ Applicant's property boundaries

☒ Treatment facility boundaries

☐ Labeled point(s) of discharge

☐ Highlighted discharge route(s)

☐ Effluent disposal site boundaries

☒ All wastewater ponds

☐ Sewage sludge disposal site

☐ New and future construction

Attachment: C

No discharge on site, no sewage sludge and no new or future construction

- 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: No sewage sludge disposal on site.

- 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: No points of discharge from the evaporation lagoons.

- 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: No discharge from the Evaporation Lagoons 1 and 2. Wastewater is allowed to evaporate in the evaporation lagoons.

- 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

If no, or a new application, provide an accurate location description: Effluent is disposed of in lagoons where it does not discharge, but instead is allowed to evaporate.

- j. City nearest the disposal site: Hereford
- k. County in which the disposal site is located: Deaf Smith
- l. Disposal Site Latitude: 34.75241 Longitude: -102.46496
- m. For TLAPs, describe how effluent is/will be routed from the treatment facility to the disposal site: Effluent flows to Aerobic Treatment Lagoon 2 before flowing into Evaporation Lagoons 1 and 2 for evaporation.
- n. For TLAPs, identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Tierra Blanca Creek (Segment ID 0229B), which eventually flows to the Upper Prairie Dog Town Fork Red River (Segment ID 0229).

Item 12. MISCELLANEOUS INFORMATION (Instructions, Page 32)

- 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 account no.: N/A and total amount due: N/A

- c. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, provide the enforcement order no.: N/A and amount due: N/A

Item 13. SIGNATURE PAGE (Instructions, Pages 32-33)

Permit No: WQ0001300000

Applicant Name: Nutri Feeds, L.L.C.

Certification: I, Keith Bridwell, 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): Keith Bridwell

Signatory title: Director of Operations

Signature: *Keith Bridwell*
(Use blue ink)

Date: 05-31-2024

Subscribed and Sworn to before me by the said Cheryl Davison
on this 31 day of May, 2024.

My commission expires on the 06 day of April, 2027.

Cheryl Davison
Notary Public

[SEAL]



Deaf Smith
County, Texas

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

Item 13. SIGNATURE PAGE (Instructions, Pages 32-33)

Permit No: WQ0001300000

Applicant Name: GSM Land Holdings, Ltd.

Certification: I, Keith Bridwell, 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): Keith Bridwell

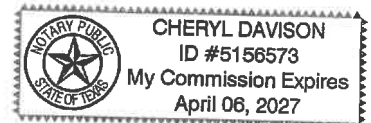
Signatory title: Owner

Signature: Keith Bridwell Date: 05-31-2024
(Use blue ink)

Subscribed and Sworn to before me by the said Cheryl Davison
on this 31 day of May, 20 24.
My commission expires on the 06 day of April, 20 27.

Cheryl Davison
Notary Public

[SEAL]



Deaf Smith
County, Texas

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

Item 13. SIGNATURE PAGE (Instructions, Pages 32-33)

Permit No: WQ0001300000

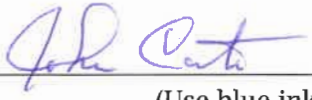
Applicant Name: County Services, Inc.

Certification: I, John D. Cates, 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.

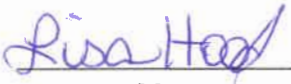
I further certify that I am authorized under 30 Texas Administrative Code §305.44 to sign and submit this document and can provide documentation in proof of such authorization upon request.

Signatory name (typed or printed): John D. Cates

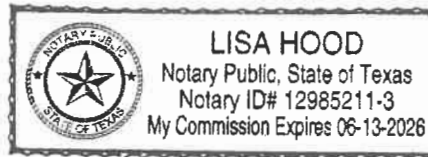
Signatory title: General Manager

Signature:  Date: 5/31/24
(Use blue ink)

Subscribed and Sworn to before me by the said John Cates
on this 31st day of May, 2024.
My commission expires on the 13th day of May 6-13, 2026.
alt


Notary Public

Hale
County, Texas



[SEAL]

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

INDUSTRIAL ADMINISTRATIVE REPORT 1.1

The following information is required for new and amendment applications.

Not required for Renewal Application

Item 1. AFFECTED LANDOWNER INFORMATION (Instructions, Pages 34-35)

- 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: .

- 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. Public Involvement Plan Form (Instructions, Page 36)

Complete and attach one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment to a permit.

Item 3. ORIGINAL PHOTOGRAPHS (Instructions, Page 36)

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

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

**FOR AGENCIES REVIEWING INDUSTRIAL
TPDES WASTEWATER PERMIT APPLICATIONS**

Not required for TLAP
Application

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

____ Texas Historical Commission

____ U.S. Fish and Wildlife

____ Texas Parks and Wildlife Department

____ U.S. Army Corps of Engineers

This form applies to TPDES permit applications only. (Instructions, Page 36)

The SPIF must be completed as a separate document. The TCEQ will mail a copy of the SPIF to each agency as required by the TCEQ agreement with EPA. If any of the items are not completely addressed or further information is needed, you will be contacted to provide the information before the permit is issued. Each item must be completely addressed.

Do not refer to a response of any item in the permit application form. Each attachment must be provided with this form separately from the administrative report of the application. The application will not be declared administratively complete without this form being completed in its entirety including all attachments.

The following applies to all applications:

1. Permittee Name: [Click to enter text.](#)
2. Permit No.: [WQ000Click to enter text.](#) EPA ID No.: [TX0Click to enter text.](#)
3. Address of the project (location description that includes street/highway, city/vicinity, and county):
[Click to enter text.](#)
4. Provide the name, address, phone and fax number, and email address of an individual that can be contacted to answer specific questions about the property.

Full Name (First and Last): [Click to enter text.](#)

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

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

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

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

Phone No: [Click to enter text.](#)

Fax No: [Click to enter text.](#)

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

5. List the county in which the facility is located: [Click to enter text.](#)
6. If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property: [Click to enter text.](#)
7. Provide a description of the effluent discharge route. The discharge route must follow the flow of effluent from the point of discharge to the nearest major watercourse (from the point of discharge

to a classified segment as defined in 30 TAC Chapter 307). If known, please identify the classified segment number: [Click to enter text.](#)

8. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report.) Attachment: [Click to enter text.](#)
9. Provide original photographs of any structures 50 years or older on the property. Attachment: [Click to enter text.](#)
10. Does your project involve any of the following? Check all that apply.
 - ☐ Proposed access roads, utility lines, construction easements
 - ☐ Visual effects that could damage or detract from a historic property's integrity
 - ☐ Vibration effects during construction or as a result of project design
 - ☐ Additional phases of development that are planned for the future
 - ☐ Sealing caves, fractures, sinkholes, other karst features
 - ☐ Disturbance of vegetation or wetlands
11. List proposed construction impact (surface acres to be impacted, depth of excavation, sealing of caves, or other karst features): [Click to enter text.](#)

12. Describe existing disturbances, vegetation, and land use: [Click to enter text.](#)

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

13. List construction dates of all buildings and structures on the property: [Click to enter text.](#)
14. Provide a brief history of the property, and name of the architect/builder, if known: [Click to enter text.](#)

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Not Applicable

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:** WQ000 [Click to enter text.](#)

1. Check or Money Order Number: [Click to enter text.](#)
2. Check or Money Order Amount: [Click to enter text.](#)
3. Date of Check or Money Order: [Click to enter text.](#)
4. Name on Check or Money Order: [Click to enter text.](#)

5. APPLICATION INFORMATION

Name of Project or Site: [Click to enter text.](#)

Physical Address of Project or Site: [Click to enter text.](#)

If the check is for more than one application, attach a list which includes the name of each Project or Site (RE) and Physical Address, exactly as provided on the application. Attachment: [Click to enter text.](#)

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Not Applicable

Item 1. Individual information (Instructions, Page 37)

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

Full legal name (first, middle, and last): [Click to enter text.](#)

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

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

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

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

Phone No.: [Click to enter text.](#)

Fax No.: [Click to enter text.](#)

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

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

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

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

This template is a guide to assist applicant's in developing a plain language summary as required by [30 Texas Administrative Code Chapter 39 Subchapter H](#). Applicant's 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 Texas Administrative Code §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.

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

Nutri-Feeds, L.L.C. (CN603708132) operates the Nutri-Feeds facility RN102287257, a rendering and pet food production facility. The facility is located at 3261 Tierra Blanca Road in Hereford, Deaf Smith County, Texas 79045. The Site is seeking a renewal with minor permit amendment to the current permit. These changes include changing the treated wastewater sampling location in the current permit; the removal of the two 24,000-gallon skimmers; the removal of pet treats production activities from the site operations; changing the existing Anaerobic Lagoons 1 and 2 to aerobic treatment regime with Aerobic Treatment Lagoon 2 being equipped with a floating submerged mixer; updating the facility map representation of the pond capacity for the East Emergency Lagoon Pond 6 from 17.5MG to 38.9 MG; and removing Tejas Industries, Inc. (as depicted on the current permit) as a co-permittee, effective with this renewal.

Discharges from the facility are expected to contain wastewater effluent from boiler blowdown, equipment cleaning and sanitation, rendering plant scrubber units, stormwater runoff, Nutri-Feeds Rendering Operations, and washdown water (Hide plant, skinning floor, cannery). Bio-Amp™ is added to the wastewater for grease removal and settling solids and wastewater is pre-treated with chlorine dioxide before being pumped first to the Aerobic Treatment Lagoon 2, equipped with a floating submerged mixer and then to clay-lined Evaporation Lagoons 1 and 2 for evaporation. Brine wastewater is generated from the hide curing operation. Brine/saltwater generated from the hide curing operation is drained to the artificially lined Brine Lagoon for evaporation.

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 son representaciones federales exigibles de la solicitud de permiso.

Nutri-Feeds, L.L.C. (CN603708132) opera la instalación de Nutri-Feeds, RN102287257, una instalación de procesamiento y producción de alimentos para mascotas. La instalación está ubicada en 3261 Tierra Blanca Road, en Hereford, condado de Deaf Smith, Texas 79045. El sitio está buscando una renovación con una enmienda menor del permiso actual. Estos cambios incluyen cambiar la ubicación de muestreo de aguas residuales tratadas en el permiso actual; la retirada de los dos desnatadoras de grasas y aceites de 24.000 galones; la eliminación de las actividades de producción de golosinas para mascotas de las operaciones del sitio; cambiar las existentes Lagunas Anaeróbicas 1 y 2 a régimen de tratamiento aeróbico y Laguna de Tratamiento Aeróbico 2 equipada con un mezclador sumergido flotante; actualizar la representación del mapa de instalaciones de la capacidad del Estanque 6 de la Laguna de Emergencia Este de 17.5 millones de galones a 38.9 millones de galones; y eliminando a Tejas Industries, Inc. (como se muestra en el permiso actual) como coautor del permiso, a partir de esta renovación..

Se espera que las descargas de la instalación contengan efluentes de aguas residuales provenientes de la purga de calderas, limpieza y saneamiento de equipos, unidades de depuración de plantas de procesamiento, escorrentía de aguas pluviales, operaciones de procesamiento de Nutri-Feeds y agua de lavado (planta de cueros, piso de desollado, fábrica de conservas). Se agrega Bio-Amp™ a las aguas residuales para eliminar la grasa y sedimentar los sólidos, y las aguas residuales se tratan previamente con dióxido de cloro antes de bombearse primero a la Laguna de Tratamiento Aeróbico 2, equipada con un mezclador sumergido flotante y luego a las Lagunas de Evaporación 1 y 2 revestidas de arcilla para evaporación. Las aguas residuales de salmuera se generan a partir de la operación de curado de pieles. La salmuera/agua salada generada a partir de la operación de curado de pieles se drena a la Laguna de Salmuera revestida artificialmente para su evaporación.

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.

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 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

ABC Corporation (CN6000000000) operates the Starr Power Station (RN100000000000), 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 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 (CN6000000000, PWS 000000) 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.

TECHNICAL REPORT 1.0

INDUSTRIAL

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, refer to the [Instructions for Completing the Industrial Wastewater Permit Application](#)¹ available on the TCEQ website.

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.

1. FACILITY/SITE INFORMATION (Instructions, Pages 39-40)

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

The Site has two separate and distinct operations:

- 1) 2077 - Animal rendering operations, and
- 2) 2047 - Dog and cat food production.

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

Wastewater effluent discharging to the wastewater lagoons is primarily generated from boiler blowdown, equipment cleaning and sanitation, rendering plant scrubber units, stormwater runoff, Nutri-Feeds Rendering Operations, and washdown water (Hide plant, skinning floor, cannery). Bio-Amp™ is added to the wastewater for grease removal and settling solids and wastewater is pre-treated with chlorine dioxide before being pumped first to the Aerobic Treatment Lagoon 2, equipped with a floating submerged mixer and then to clay-lined Evaporation Lagoons 1 and 2 for evaporation. Brine wastewater is generated from the hide curing operation. Brine/saltwater generated from the hide curing operation is drained to the artificially lined Brine Lagoon for evaporation.

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

Materials List

Raw Materials	Intermediate Products	Final Products
Offal (70% water)	Crax	Tallow

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

Raw Materials	Intermediate Products	Final Products
Fat		Meat and Bone Meal
Bones		Cured Hides
Hides		Canned Pet Food
Meats		

Attachment: D

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: E

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 FEMA has not performed a flood survey of Deaf County

List source(s) used to determine 100-year frequency flood plain: Area has not been mapped by FEMA.

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: N/A

Attachment: N/A

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

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.

With the exception of the brine water from the hide curing process, which is discharged to the Brine Lagoon, Bio-Amp™ is added to the wastewater for grease removal and settling solids and wastewater is pre-treated with chlorine dioxide before being pumped first to the Aerobic Treatment Lagoon 2, equipped with a floating submerged mixer with a capacity of 27 acre-feet (8,800,000 gallons), and flows into one of two active evaporation lagoons. Evaporation Lagoons 1 and 2 have a combined capacity of 233.27 acre-feet (7,600,000 gallons). A second aerobic treatment Lagoon 1 is only used in case of emergencies and has a capacity of 27.0 acre-feet (8,800,000 gallons). There are an additional three emergency overflow lagoons. The western most lagoon, Pond 8, has a capacity of 53.75 acre-feet (17,500,000 gallons), the northeastern lagoon, Pond 6, has a capacity of 119.46 acre-feet (38,900,000 gallons), and the southeastern lagoon, Pond 5, has a capacity of 149.12 acre-feet (4,860,000 gallons). The emergency overflow lagoons are still part of this Permit Renewal Application with changes, so that the wastewater can be routed to these lagoons in the event of an emergency.

A March 26, 2021 air permit alteration authorized the installation of a chlorine dioxide generator for the production of chlorine dioxide (ClO₂) to be used as an oxidizing agent for odor control in the packed-bed stage of the two-stage venturi Little Scrubber North, the second packed scrubber system, Little Scrubber South, and the room air packed bed scrubber, Big Scrubber. The ClO₂ generator system is a pressure and vacuum system where precursor chemicals packaged in 275-gallon totes are fed and mixed via self-priming diaphragm pumps and polyethylene tubing to a heat exchange reactor to produce ClO₂, oxygen (O₂), sodium sulfate (Na₂SO₄), and water (H₂O). The products of reaction are educed by motive water where they are absorbed into the motive water stream and anticipated to contain between 200 to 1,600 parts per million (ppm) of ClO₂. The generator is designed to produce 1 to 10 pounds per hour (lb/hr) of ClO₂. The ClO₂ generated will be automatically added to the scrubber solution at a rate between 1 to 10 lb/hr, depending on flow to spray nozzles, to maintain a residual chlorine dioxide concentration of 1 to 3 ppm. All chemicals are stored indoors in appropriate containers to preserve the integrity of the chemical composition. The water from the chlorine dioxide generator helps stabilize the pH of the wastewater from the scrubber system entering the lagoon system to a more neutral pH. The more neutral pH allows the Bio-Amp™ bacteria to thrive and further target the decay and destruction of the oil & grease (O&G), total suspended solids (TSS), and biological oxygen demand (BOD).

- 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: F

3. IMPOUNDMENTS (Instructions, Pages 40-42)

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:

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 #1 Aerobic Treatment Lagoon 1	Pond #2 – Aerobic Treatment Lagoon 2	Pond #3 - Evaporation Lagoon 1	Pond #4 – Evaporation Lagoon 2
Use Designation: (T) (D) (C) or (E)	T	T	E	E
Associated Outfall Number	Treatment	Treatment	E1-Evaporate	E2-Evaporate
Liner Type (C) (I) (S) or (A)	C	C	C	C
Alt. Liner Attachment Reference	N/A	N/A	N/A	N/A
Leak Detection System, Y/N	Y	Y	Y	Y
Groundwater Monitoring Wells, Y/N	Y	Y	Y	Y
Groundwater Monitoring Data Attachment	Y	Y	Y	Y
Pond Bottom Located Above The Seasonal High-Water Table, Y/N	Y	Y	Y	Y
Length (ft)	-	-	-	-
Width (ft)	-	-	-	-
Max Depth From Water Surface (ft), Not Including Freeboard	30	30	<4	<4
Freeboard (ft)	<2	>2	>2	>2
Surface Area (acres)	1.3	1.3	18.55	17.3
Storage Capacity (gallons)	8,800,000	8,800,000	Combined 76,000,00	
40 CFR Part 257, Subpart D, Y/N	N	N	N	N
Date of Construction	2004	2004	2004	2004

Impoundment Information

Parameter	Pond #5 – Emergency Overflow Lagoon	Pond #6 – Emergency Overflow Lagoon	Pond #7 – Brine Evaporation Lagoon	Pond #8 – Emergency Overflow Lagoon
Use Designation: (T) (D) (C) or (E)	E	E	E	E
Associated Outfall Number	E3-Evaporate	E5-Evaporate	E4-Evaporate	E6-Evaporate

Parameter	Pond #5 – Emergency Overflow Lagoon	Pond #6 – Emergency Overflow Lagoon	Pond #7 – Brine Evaporation Lagoon	Pond #8 – Emergency Overflow Lagoon
Liner Type (C) (I) (S) or (A)	C	C	S	C
Alt. Liner Attachment Reference	N/A	N/A	N/A	N/A
Leak Detection System, Y/N	Y	Y	Y	Y
Groundwater Monitoring Wells, Y/N	Y	Y	Y	Y
Groundwater Monitoring Data Attachment	Y	Y	Y	Y
Pond Bottom Located Above The Seasonal High-Water Table, Y/N	Y	Y	Y	Y
Length (ft)	-	-	-	-
Width (ft)	-	-	-	-
Max Depth From Water Surface (ft), not including freeboard	<4	>2	>2	>2
Freeboard (ft)	>2	>2	>2	>2
Surface Area (acres)	21.95	12.53	1.5	12.08
Storage Capacity (gallons)	48,600,000	38,900,000	5,800,000	17,500,000
40 CFR Part 257, Subpart D, Y/N	N	N	N	N
Date of Construction	2004	2004	2004	2004

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**.

i. Liner data

☐ Yes ☒ No ☐ Not yet designed

ii. Leak detection system or groundwater monitoring data

☐ Yes ☒ No ☐ Not yet designed

iii. Groundwater impacts

☐ Yes ☒ No ☐ Not yet designed

NOTE: Item b.iii 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 1/2-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

4. OUTFALL/DISPOSAL METHOD INFORMATION (Instructions, Pages 42-43)

Complete the following tables to describe the location and wastewater discharge or disposal operations for each outfall for discharge operations, 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/or 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 Latitude and Longitude

Outfall Number	Latitude-decimal degrees	Longitude-decimal degrees
E1 - Pond 3	34.75223	-102.46601
E2 - Pond 4	34.75260	-102.46397
E3 - Pond 5	34.752719	-102.46200
E4 - Pond 7	34.76006	-102.46335
E5 - Pond 6	34.75547	-102.46152
E6 - Pond 8	34.75150	-102.46864

Outfall Location Description

Outfall Number	Location Description
E1 - Pond 3	located approximately 0.5 mile south of the plant location
E2 - Pond 4	located approximately 0.5 mile south of the plant location
E3 - Pond 5	located approximately 0.5 mile south of the plant location
E4 - Pond 7	located approximately 400 feet west of the plant location
E5 - Pond 6	located approximately 0.5 mile south of the plant location
E6 - Pond 8	located approximately 0.5 mile south of the plant location

Description of Sampling Points (if different from Outfall location)

Outfall Number	Description of Sampling Point
E1 - Pond 3	No outfall or discharge. Wastewater goes to Aerobic Treatment Lagoon 2 before evaporation

Outfall Number	Description of Sampling Point
E2 - Pond 4	No outfall or discharge. Wastewater goes to Aerobic Treatment Lagoon 2 before evaporation
E3 – Pond 5	No outfall or discharge. Emergency overflow only
E4 – Pond 7	No outfall or discharge. Saltwater goes to Brine Evaporation Lagoon before evaporation
E5 – Pond 6	No outfall or discharge. Emergency overflow only
E6 - Pond 8	No outfall or discharge. Emergency overflow only

Outfall Flow Information – Permitted and Proposed

Outfall Number	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)
E1 - Pond 3	<0.288055	<0.288055	<0.288055	<0.288055	Ongoing
E2 - Pond 4	<0.288055	<0.288055	<0.288055	<0.288055	Ongoing
E3 – Pond 5	<0.288055	<0.288055	<0.288055	<0.288055	Inactive
E4 – Pond 7	<0.00328	<0.00328	<0.00328	<0.00328	Ongoing
E5 – Pond 6	<0.288055	<0.288055	<0.288055	<0.288055	Inactive
E6 - Pond 8	<0.288055	<0.288055	<0.288055	<0.288055	Inactive

Outfall Discharge – Method and Measurement

Outfall Number	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
E1 - Pond 3	Y	N	Hour meter
E2 - Pond 4	Y	N	Hour meter
E3 – Pond 5	N	N	Hour meter
E4 – Pond 7	Y	N	Hour meter
E5 – Pond 6	N	N	Hour meter
E6 - Pond 8	N	N	Hour meter

Outfall Discharge – Flow Characteristics

Outfall Number	Intermittent Discharge? Y/N	Continuous Discharge? Y/N	Seasonal Discharge? Y/N	Discharge Duration (hrs/day)	Discharge Duration (days/mo)	Discharge Duration (mo/yr)
E1 - Pond 3	N	Y	N	24	30	12
E2 - Pond 4	N	Y	N	24	30	12
E3 – Pond 5	N	Y	N	24	30	12
E4 – Pond 7	N	Y	N	24	30	12
E5 – Pond 6	Y	N	N	24	30	12
E6 - Pond 8	Y	N	N	24	30	12

Wastestream Contributions

Outfall No.: E1 - Evaporation Lagoon 1 (Pond 3) Evaporation Disposal Method

Contributing Wastestreams	Volume (MGD)	% of Total Flow
Boiler Blowdown	0.001	0

Contributing Wastestreams	Volume (MGD)	% of Total Flow
Equipment Cleaning and Sanitation	0.0525	15
Rendering Plant Scrubber Units	0.00175	1
Stormwater Runoff	0.0035	1
Nutri-Feeds Rendering Operations	0.1785	51
Washdown Water (Hide Plant, Skinning Floor, and Cannery)	0.042	12
Process and Washdown Water	0.07	20

Outfall No.: E2 - Evaporation Lagoon 2 (Pond 4) Evaporation Disposal Method

Contributing Wastestreams	Volume (MGD)	% of Total Flow
Boiler Blowdown	0.001	0
Equipment Cleaning and Sanitation	0.0525	15
Rendering Plant Scrubber Units	0.00175	1
Stormwater Runoff	0.0035	1
Nutri-Feeds Rendering Operations	0.1785	51
Washdown Water (Hide Plant, Skinning Floor, and Cannery)	0.042	12
Process and Washdown Water	0.07	20

Outfall No.: E3 – Emergency Overflow Lagoon (Pond 5) Evaporation Disposal Method

Contributing Wastestreams	Volume (MGD)	% of Total Flow
Not currently active		

Attachment: G

5. BLOWDOWN AND ONCE-THROUGH COOLING WATER DISCHARGES (Instructions, Page 44)

- a. Does the facility use/propose to use any cooling towers which discharge blowdown or other wastestreams to the outfall(s)?

☐ Yes ☒ No

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

- b. Does the facility use or plan to use any boilers that discharge blowdown or other wastestreams to the outfall(s)?

☒ Yes ☐ No

- c. Does or will the facility discharge once-through cooling water to the outfall(s)?

☐ Yes ☒ No

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

- d. If **yes** to Items 5.a, 5.b, **or** 5.c, attach the 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.

Attach a summary of this information in addition to the submittal of the SDS for each specific wastestream and the associated chemical additives and specify which outfalls are affected.

Attachment: H

e. Cooling Towers and Boilers

If **yes** to either Item 5.a **or** 5.b, complete the following table.

Cooling Towers and Boilers

Type of Unit	Number of Units	Dly Avg Blowdown (gallons/day)	Dly Max Blowdown (gallons/day)
Boilers	5	1,000	1,500

6. STORMWATER MANAGEMENT (Instructions, Page 44)

Are there any existing/proposed outfalls which 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 some manner which may result in exposure of the activities or materials to stormwater: Stormwater and wastewater both flow from an approximately 12.9-acre operational area into drains that flow to the wastewater lagoons. However, discharge of neither wastewater nor stormwater into a water of the state is permitted from the evaporation ponds. Wastewater and stormwater flow into the lagoons, where it is evaporated. Various portions of the Site are covered under a TCEQ Multi-Sector General Permit, as depicted on Attachment E.

7. DOMESTIC SEWAGE, SEWAGE SLUDGE, AND SEPTAGE MANAGEMENT AND DISPOSAL (Instructions, Page 45)

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:**

- 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.
N/A	N/A

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

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

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**.

11. RADIOACTIVE MATERIALS (Instructions, Pages 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	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	Concentration (pCi/L)
N/A	

12. COOLING WATER (Instructions, Pages 46-47)

- 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

- i. 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				
Owner				
Operator				

- ii. 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.

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: N/A

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

☐ Yes ☐ No

If **yes**, provide the actual intake flow of the Independent Supplier's CWIS that is/will be used to provide water for cooling purposes to the facility and proceed: N/A

If **no**, proceed to Item 12.d.

- d. 316(b) General Criteria

- i. 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

- ii. 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

- iii. 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.o, Items 1(a), 1(b)(i-iii) and (vi), 2(b)(i), and 3(a) to allow for a determination based upon BPJ.

- f. Oil and Gas Exploration and Production

- i. 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.

- ii. 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.o, Items 1(a), 1(b)(i-iii) and (vi), 2(b)(i), and 3(a) to allow for a determination based upon BPJ. If **no**, skip to Item 12.g.iii.

- g. Compliance Phase and Track Selection

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

☐ Yes ☐ No

If **yes**, check the box next to the facility's compliance track selection, attach the requested information, and complete Worksheet 11.o, 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

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

☐ Yes ☐ No

If **yes**, complete Worksheets 11.o through 11.3, as applicable.

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

☐ Yes ☐ No

If **yes**, check the box next to the facility's 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 the CWIS latitude and 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

NOTE: Item 13 is required only for existing permitted facilities.

13. PERMIT CHANGE REQUESTS (Instructions, Pages 49-50)

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 discuss the requested changes.

The Site is seeking a renewal with minor amendments to the current permit. These changes include:

1. Revising the treated wastewater sampling location in the current permit.

A readily accessible sample point will be located at the end of the final Evaporation Lagoon 2 as depicted in Attachment E. Samples will be collected at the Evaporation Lagoon 2 overflow from the newly converted Aerobic Treatment Lagoon 2 to the Evaporation Lagoon 2.

2. Removal of the two 24,000-gallon skimmers to be replaced with Bio-Amp™ treatment addition for oil and grease removal prior to wastewater entering the Aerobic Treatment Lagoon 2.

A March 26, 2021 air permit alteration authorized the installation of a chlorine dioxide generator for the production of chlorine dioxide (ClO₂) to be used as an oxidizing agent for odor control in the packed-bed stage of the two-stage venturi Little Scrubber North, the second packed scrubber system, Little Scrubber South, and the room air packed bed scrubber, Big Scrubber. The ClO₂ generator system is a pressure and vacuum system where precursor chemicals packaged in 275-gallon totes are fed and mixed via self-priming diaphragm pumps and polyethylene tubing to a heat exchange reactor to produce ClO₂, oxygen (O₂), sodium sulfate (Na₂SO₄), and water (H₂O). The products of reaction are educed by motive water where they are absorbed into the motive water stream and anticipated to contain between 200 to 1,600 parts per million (ppm) of ClO₂. The generator is designed to produce 1 to 10 pounds per hour (lb/hr) of ClO₂. The ClO₂ generated will be automatically added to the scrubber solution at a rate between 1 to 10 lb/hr, depending on flow to spray nozzles, to maintain a residual chlorine dioxide concentration of 1 to 3 ppm. All chemicals are stored indoors in appropriate containers to preserve the integrity of the chemical composition. The water from the chlorine dioxide generator helps stabilize the pH of the wastewater from the scrubber system entering the lagoon system to a more neutral pH. The more neutral pH allows the Bio-Amp™ bacteria to thrive and further target the decay and destruction of the oil & grease (O&G), total suspended solids (TSS), and biological oxygen demand (BOD).

3. Removal of the pet treats production activities from the site operations.

Pet treats production activities no longer occur at the site and therefore the activity will be removed from the Site's process description.

4. Updating the Capacity of the East Emergency Evaporation Lagoon.

The facility map representation of the pond capacity for the Emergency Overflow Lagoon (Pond 6) is being updated in the Permit, from 17.5 MG to 38.9 MG, to correspond with the correct sizes of the lagoons.

5. Removing Tejas Industries, Inc. as a Co-permittee from the application.

Nutri-Feeds maintains the sole financial responsibility and is the primary entity responsible for facility operations and compliance with the issued permit and GSM Land Holdings, Ltd. (GSM) maintains ownership of the permitted facility. At this time, Nutri-Feeds and GSM do not believe it is necessary for Tejas Industries, Inc. to continue to be a co-applicant for the industrial wastewater permit going forward.

6. Changing the existing Anaerobic Lagoons 1 and 2 to aerobic treatment regime with Aerobic Treatment Lagoon 2 being equipped with a floating submerged mixer for aeration.

Originally, the anaerobic lagoons were built with the intent to generate methane that could be used in the facility boilers, reducing natural gas consumption. However, over time, it was observed that the amount of methane produced by anaerobic digestion of facility wastewaters did not generate sufficient amounts of methane to be useful for this purpose. Anaerobic digestion is difficult to maintain and control and is not as efficient for BOD removal as aerobic digestion. The primary purpose of the treatment lagoon is reduction of organic matter and BOD, prior to evaporation of the treated wastewater. Since aerobic digestion is much more efficient for destruction of organic wastes, the current Anaerobic Lagoon #2 will be converted

to Aerobic Treatment Lagoon 2 by removing the current lagoon cover and installing a submerged mixer for aeration. Aerobic Treatment Lagoon 1, will remain as a potential treatment lagoon in the future, as needed.

7. This permit amendment is also requesting removal of the current permit monthly sampling requirement for Biochemical Oxygen Demand 5-Day (BOD₅) of the effluent routed to the evaporation ponds with a limit of 250 milligrams per liter (mg/L).

With conversion to aerobic treatment, any organics contained in the wastewater will be degraded to carbon dioxide and water. The addition of a submerged mixer will ensure that adequate oxygen is always available for complete degradation of wastes contained in the wastewater routed to the Aerobic Treatment Lagoon 2. Aerobic biological treatment can achieve 95% removal of organics, as evidenced in municipal wastewater treatment plants, which have negligible air emissions resulting from aerobic treatment units. Originally, the purpose of this sampling requirement was to ensure that negligible H₂S and volatile organic compound (VOC) emissions occurred in the subsequent evaporation basins. This is because anaerobic digestion does not completely degrade organic compounds and can lead to the formation of many intermediate by-products, some of which may be odorous or volatile. The sampling requirement was linked to the facility's air permit, which required that the anaerobic lagoon be covered and emissions be routed either to a flare or combusted in a boiler, in lieu of natural gas. In conjunction with this permit amendment, a permit amendment request is being filed for the facility air permit to authorize emissions from the lagoon, as well as remove the requirement for the flare or boiler combustion of biogas from the lagoon. Emission estimates performed for the proposed newly converted aerobic treatment lagoon indicated negligible VOC emissions and no H₂S emissions; therefore, the need to demonstrate adequate biological treatment for the aerated treatment lagoon through sampling is no longer warranted or required. Nutri-Feeds is requesting this permit requirement to be removed. Adequate treatment conditions will be maintained in the aerobic lagoon by the use of a submerged mechanical mixer (considered Best Available Control Technology or BACT for aerobic lagoons) and upstream addition of the BioAmp product to enhance and stimulate biological activity in the lagoon.

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

☐

Yes

☒

No

If **yes**, list and discuss the requested changes.

N/A

WORKSHEET 3.0

LAND APPLICATION OF EFFLUENT

This worksheet is required for all applications for a permit to dispose of wastewater by land application.

1. TYPE OF DISPOSAL SYSTEM (Instructions, Page 70)

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

- | | |
|--|---|
| <p><input type="checkbox"/> Irrigation</p> <p><input checked="" type="checkbox"/> Evaporation</p> <p><input type="checkbox"/> Evapotranspiration beds</p> <p><input type="checkbox"/> Drip irrigation system</p> | <p><input type="checkbox"/> Subsurface application</p> <p><input type="checkbox"/> Subsurface soils absorption</p> <p><input type="checkbox"/> Surface application</p> <p><input type="checkbox"/> Other, specify: <input style="width: 150px;" type="text"/></p> |
|--|---|

2. LAND APPLICATION AREA (Instructions, Page 70)

Land Application Area Information

Effluent Application (gallons/day)	Irrigation Acreage (acres)	Describe land use & indicate type(s) of crop(s)	Public Access? (Y/N)
N/A	N/A	Water is not used for irrigation. All wastewater evaporates	N/A

3. ANNUAL CROPPING PLAN (Instructions, Page 70)

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: N/A

4. WELL AND MAP INFORMATION (Instructions, Page 71)

- 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 1/2-mile of the disposal site, wastewater ponds, or property boundaries
- ☐ All springs and seeps onsite and within 500 feet of the property boundaries

No effluent storage and tailwater control facilities, no buffer zones, no surface waters in the state on-site and within 500 feet of the property boundaries, no springs or seeps on-site and within 500 feet of the property boundaries.

Attachment: I

- 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
647296	Irrigation	Y	Open	Proper operation of the land application system.
179445	Irrigation	Y	Open	Maintain cleanliness and recordkeeping. Regularly inspect the well. Proper handling when not in use.
179441	Irrigation	Y	Open	Maintain cleanliness and recordkeeping. Regularly inspect the well. Proper handling when not in use.
10-13-7E	Irrigation	Y	Open	Maintain cleanliness and recordkeeping. Regularly inspect the well. Proper handling when not in use.
10-13-706	Irrigation	Y	Open	Proper operation of the land application system.
10-13-7J	Industrial	Y	Open	Proper operation of the land application system.

Attachment: N/A

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

- ☒ Yes ☐ No

Three monitoring wells are already installed around the current anaerobic and evaporation lagoons.

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: I and J

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

Attachment: K

5. SOIL MAP AND SOIL INFORMATION (Instructions, Page 72)

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: L

No laboratory soil analyses is required or provided, evaporation ponds only.

6. LABORATORY ACCREDITATION CERTIFICATION (Instructions, Page 73)

Effective July 1, 2008, all laboratory tests performed must meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification* with the following general exemptions:

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

Not applicable, no irrigation to soil.

Review *30 TAC Chapter 25* for specific requirements. The following certification statement shall be signed and submitted with every application. See Instructions, Page 32, for a list of approved signatories.

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

(Signature)

7. EFFLUENT MONITORING DATA (Instructions, Page 73)

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.

All other parameters not required by current permit, no acres irrigated, and no hydraulic application rate.

Table 14 for Site No.: Evaporation Lagoons 1 and 2

Samples are (check one): ☐ Composites ☒ Grabs

Date (mo/yr)	Daily Avg Flow (gpd)	BOD ₅ (mg/L)	TSS (mg/L)	Nitrogen (mg/L)	Conductivity (mmhos/cm)	Total acres irrigated	Hydraulic Application rate (acre-feet/month)
01/2022	111,898	243.0					
02/2022	119,211	265.0					
03/2022	129,139	198.0					
04/2022	141,368	83.5					
05/2022	128,583	80.2					
06/2022	152,816	48.1					
07/2022	151,907	28.8					
08/2022	188,656	5.26					
09/2022	168,532	131.0					
10/2022	152,522	129.0					
11/2022	158,470	130.0					
12/2022	146,696	207.0					
01/2023	154,047	180.0					
02/2023	145,587	220.0					
03/2023	133,991	206.0					
04/2023	126,807	95.0					
05/2023	192,171	188.0					
06/2023	158,782	27.4					
07/2023	171,732	24.3					
08/2023	178,361	15.6					
09/2023	250,580	46.8					
10/2023	168,644	108.0					
11/2023	133,169	248.0					
12/2023	124,143	176.0					

Attach an explanation of all persistent excursions to permitted parameters and corrective actions taken.

Attachment: M

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)	pH						
01/2022	8.52						
02/2022	8.49						
03/2022	8.42						
04/2022	7.99						
05/2022	8.01						
06/2022	8.05						
07/2022	7.94						
08/2022	8.01						
09/2022	8.06						
10/2022	8.12						
11/2022	8.09						
12/2022	7.81						
01/2023	7.86						
02/2023	8.02						
03/2023	8.12						
04/2023	8.10						
05/2023	8.18						
06/2023	8.25						
07/2023	8.53						
08/2023	8.69						
09/2023	8.69						
10/2023	7.99						
11/2023	7.89						
12/2023	8.02						

Attach an explanation of all persistent excursions to permitted parameters and corrective actions taken.

Attachment: M

8. POLLUTANT ANALYSIS (Instructions, Page 73)

- 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): 11/28/2023
- ☒ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- Completion of Tables 15 and 16 **is required** for all applications for the authorization of land application.

Table 15 for Site No.: E1 – (Pond 3); Samples are (check one): ☒ Composites ☒ Grabs

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
BOD (5-day)	653			
CBOD (5-day)	708			
Chemical oxygen demand	972			
Total organic carbon	281			
Ammonia nitrogen	175			
Total suspended solids	740			
Nitrate nitrogen	ND			
Total organic nitrogen	143			
Total phosphorus	12.4			
Oil and grease	Grab Sample	17.5		
Total residual chlorine	Grab Sample	ND		
Total dissolved solids	7800			
Sulfate	143			
Chloride	2230			
Fluoride	ND			
Fecal Coliform (cfu/100 mL)	Grab Sample	N/A		
Specific conductance (mmhos/cm)	11.5			
pH (standard units; min/max)	Grab Sample	8.4		
Soluble sodium	N/A			
Soluble calcium	N/A			
Soluble magnesium	N/A			
SAR (unitless)	N/A			

Table 16: for Site No.: E1 – (Pond 3); Samples are (check one): ☒ Composites ☒ Grabs

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total	0.122				2.5
Antimony, total	ND				5
Arsenic, total	0.007				0.5
Barium, total	0.125				3
Beryllium, total	ND				0.5
Boron, total	1.73				20
Cadmium, total	ND				1
Chromium, total	ND				3
Chromium, hexavalent	ND				3
Chromium, trivalent	ND				N/A
Copper, total	0.0131				2
Cyanide	Grab Sample	ND			2/10
Lead, total	ND				0.5
Mercury, total	ND				0.005/0.0005
Nickel, total	0.010				2
Selenium, total	0.0060				5
Silver, total	ND				0.5
Thallium, total	ND				0.5
Zinc, total	0.036				5.0

See Attachment N for Analytical Result

Table 15 for Site No.: E2 – Pond 4; Samples are (check one): ☒ Composites ☒ Grabs

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
BOD (5-day)	720			
CBOD (5-day)	695			
Chemical oxygen demand	1640			
Total organic carbon	769			
Ammonia nitrogen	470			
Total suspended solids	850			
Nitrate nitrogen	ND			
Total organic nitrogen	230			
Total phosphorus	17.8			
Oil and grease <input type="checkbox"/> Grab Sample	34.9			
Total residual chlorine <input type="checkbox"/> Grab Sample	ND			
Total dissolved solids	4500			
Sulfate	ND			
Chloride	1050			
Fluoride	ND			
Fecal Coliform (cfu/100 mL) <input type="checkbox"/> Grab Sample	N/A			
Specific conductance (mmhos/cm)	8.75			
pH (standard units; min/max) <input type="checkbox"/> Grab Sample	8.2			
Soluble sodium	N/A			
Soluble calcium	N/A			
Soluble magnesium	N/A			
SAR (unitless)	N/A			

Table 16: for Site No.: E2 – Pond 4; Samples are (check one): ☒ Composites ☒ Grabs

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total	0.149				2.5
Antimony, total	ND				5
Arsenic, total	ND				0.5
Barium, total	0.062				3
Beryllium, total	ND				0.5
Boron, total	1.73				20
Cadmium, total	ND				1
Chromium, total	ND				3
Chromium, hexavalent	ND				3
Chromium, trivalent	ND				N/A
Copper, total	0.0129				2
Cyanide <input type="checkbox"/> Grab Sample	ND				2/10
Lead, total	ND				0.5
Mercury, total	ND				0.005/0.0005
Nickel, total	ND				2
Selenium, total	ND				5
Silver, total	ND				0.5
Thallium, total	ND				0.5
Zinc, total	0.038				5.0

See Attachment N for Analytical Result

WORKSHEET 3.1

SURFACE LAND APPLICATION AND EVAPORATION

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

1. EDWARDS AQUIFER (Instructions, Page 74)

- 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 information:

- 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

2. SURFACE SPRAY/IRRIGATION (Instructions, Pages 74-75)

- a. Provide the following information on the irrigation operations:

Area under irrigation (acres): N/A

Design application rate (acre-ft/acre/yr): N/A

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

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

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

Average slope of the application area (percent): N/A

Maximum slope of the application area (percent): N/A

Irrigation efficiency (percent): N/A

Effluent conductivity (mmhos/cm): N/A

Soil conductivity (mmhos/cm): N/A

Curve number: N/A

Describe the application method and equipment: N/A

- b. Attach a detailed engineering report which includes a water balance, storage volume calculations, and a nitrogen balance.

Attachment: N/A

3. EVAPORATION PONDS (Instructions, Page 75)

- a. Daily average effluent flow into ponds: <288,055 gallons per day to main evaporation lagoons
<3,280 gallons per day to Brine lagoon
- b. Attach a separate engineering report of evaporation calculations for average long-term and worst-case critical conditions.

Attachment: 0

4. EVAPOTRANSPIRATION BEDS (Instructions, Page 75)

- 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

5. OVERLAND FLOW (Instructions, Page 75)

- 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

Attachment A

TLAP Application Fee Payment Documentation

Print this voucher for your records. If you are sending the TCEQ hardcopy documents related to this payment, include a copy of this voucher.

Transaction Information

Voucher Number:

709863

Trace Number:

582EA000614493

Date:

06/18/2024 07:53 AM

Payment Method:

CC - Authorization 0000059599

Voucher Amount:

\$300.00

Fee Type:

WW PERMIT - MINOR FACILITY NOT SUBJECT TO 40 CFR 400-471 - RENEWAL

ePay Actor:

ELENA FORD

Actor Email:

eford@braunintertec.com

IP:

75.88.217.121

Payment Contact Information

Name:

ELENA FORD

Company:

BRAUN INTERTEC CORPORATION

Address:

1124 GALVESTON AVE SUITE 102, FORT WORTH, TX 76104

Phone:

817-886-4465

Site Information

RN:

RN102287257

Site Name:

NUTRI-FEEDS

Site Location:

APPROXIMATELY 3.5 MI SW OF HEREFORD AT 3261 TIERRA BLANCA ROAD

Customer Information

Customer Name:

NUTRI-FEEDS L L C

Customer Address:

3261 TIERRA BLANCA ROAD, HEREFORD, TX 79045

Other Information

Program Area ID:

WQ0001300000

Close

Print this voucher for your records. If you are sending the TCEQ hardcopy documents related to this payment, include a copy of this voucher.

Transaction Information

Voucher Number: 709864
Trace Number: 582EA000614493
Date: 06/18/2024 07:53 AM
Payment Method: CC - Authorization 0000059599
Voucher Amount: \$15.00
Fee Type: 30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE
ePay Actor: ELENA FORD
Actor Email: eford@braunintertec.com
IP: 75.88.217.121

Payment Contact Information

Name: ELENA FORD
Company: BRAUN INTERTEC CORPORATION
Address: 1124 GALVESTON AVE SUITE 102, FORT WORTH, TX 76104
Phone: 817-886-4465

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[Statewide Links](#): [Texas.gov](#) | [Texas Homeland Security](#) | [TRAIL Statewide Archive](#) | [Texas Veterans Portal](#)

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Attachment B

Core Data Forms



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.

A.1. SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input checked="" type="checkbox"/> Other Renewal with Changes	
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 603708132		RN 102287257

A.2. SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		5/1/2024	
<input type="checkbox"/> New Customer <input checked="" type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				If new Customer, enter previous Customer below:	
Nutri-Feeds, L.L.C.					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	
0801282624		32042067846			
10. DUNS Number (if applicable)					
11. Type of Customer:		<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
12. Number of Employees		13. Independently Owned and Operated?			
<input type="checkbox"/> 0-20 <input checked="" type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:					
3261 Tierra Blanca Road					
City		Hereford		State TX	
ZIP		79045		ZIP + 4 7823	
16. Country Mailing Information (if outside USA)			17. E-Mail Address (if applicable)		
N/A			brid@wtrt.net		
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)	
(806) 357-2287		0		() -	

A.3. SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)		
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input checked="" type="checkbox"/> 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.)		

Nutri-Feeds, L.L.C.							
23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	3261 Tierra Blanca Road						
	City	Hereford	State	TX	ZIP	79045	ZIP + 4
24. County	Deaf Smith						

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

25. Description to Physical Location:							
26. Nearest City					State	Nearest ZIP Code	
<i>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).</i>							
27. Latitude (N) In Decimal:				28. Longitude (W) In Decimal:			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)		
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>							
Rendering and Pet Food Manufacturing							
34. Mailing Address:	3261 Tierra Blanca Road						
	City	Hereford	State	TX	ZIP	79045	ZIP + 4
35. E-Mail Address:	brid@wtrt.net						
36. Telephone Number		37. Extension or Code		38. Fax Number <i>(if applicable)</i>			
(806) 357-2287		N/A		() -			

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

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input checked="" type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
	TXR05AW85			
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other: On Site Sewage Facility
	WQ0001300000			

A.4. SECTION IV: Preparer Information

40. Name:	Elena Ford	41. Title:	Environmental Supervisor
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(972) 672-8786	N/A	() -	eford@brauintertec.com

A.5. 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:	Nutri-Feeds, L.L.C.	Job Title:	Director of Operations
-----------------	---------------------	-------------------	------------------------

Name (In Print):	Keith Bridwell	Phone:	(806) 357- 2287
Signature:	Keith Bridwell	Date:	05-31-2024



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.

A.1. SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input checked="" type="checkbox"/> Other Renewal with Changes	
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 604644328		RN 102287257

A.2. SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		5/1/2024	
<input type="checkbox"/> New Customer <input checked="" type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				If new Customer, enter previous Customer below:	
GSM Land Holdings, Ltd.					
7. TX SOS/CPA Filing Number 0800347774		8. TX State Tax ID (11 digits) 12050950695		9. Federal Tax ID (9 digits)	
				10. DUNS Number (if applicable)	
11. Type of Customer:		<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
12. Number of Employees <input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input checked="" type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				13. Independently Owned and Operated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:					
3261 Tierra Blanca Road					
City		Hereford		State	
TX		ZIP		79045	
ZIP + 4		7823			
16. Country Mailing Information (if outside USA)				17. E-Mail Address (if applicable)	
N/A				brid@wtrt.net	
18. Telephone Number (806) 357-2287		19. Extension or Code 0		20. Fax Number (if applicable) () -	

A.3. SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)	
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input checked="" type="checkbox"/> 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.)	

Nutri-Feeds, L.L.C.							
23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	3261 Tierra Blanca Road						
	City	Hereford	State	TX	ZIP	79045	ZIP + 4
24. County	Deaf Smith						

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

25. Description to Physical Location:							
26. Nearest City					State	Nearest ZIP Code	
<i>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).</i>							
27. Latitude (N) In Decimal:				28. Longitude (W) In Decimal:			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)		
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>							
Rendering and Pet Food Manufacturing							
34. Mailing Address:	3261 Tierra Blanca Road						
	City	Hereford	State	TX	ZIP	79045	ZIP + 4
35. E-Mail Address:	brid@wtrt.net						
36. Telephone Number		37. Extension or Code		38. Fax Number (if applicable)			
(806) 357-2287		N/A		() -			

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

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other: On Site Sewage Facility
WQ0001300000				

A.4. SECTION IV: Preparer Information

40. Name:	Elena Ford	41. Title:	Environmental Supervisor
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(972) 672-8786	N/A	() -	eford@brauintertec.com

A.5. 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:	GSM Land Holdings, Ltd.	Job Title:	Director of Operations
-----------------	-------------------------	-------------------	------------------------

Name (In Print):	Keith Bridwell	Phone:	(806) 357- 2287
Signature:	Keith Bridwell	Date:	05-31-2024



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.

A.1. SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input checked="" type="checkbox"/> Other Renewal with Changes
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 603310400		RN 102287257

A.2. SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		6/30/2024	
<input type="checkbox"/> New Customer <input checked="" type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
County Services, Inc.					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	
0800836357		12050951701			
11. Type of Customer:		<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
12. Number of Employees				13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input checked="" type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) -- as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:					
3261 Tierra Blanca Road					
City		Hereford	State	TX	ZIP
					79045
					ZIP + 4
					7823
16. Country Mailing Information (If outside USA)				17. E-Mail Address (If applicable)	
N/A				jcates@countyserv.com	
18. Telephone Number		19. Extension or Code		20. Fax Number (If applicable)	
(806) 292-5736				() -	

A.3. SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If "New Regulated Entity" is selected, a new permit application is also required.)	
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input checked="" type="checkbox"/> 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.)	

Nutri-Feeds, L.L.C.								
23. Street Address of the Regulated Entity: (No PO Boxes)	3261 Tierra Blanca Road							
	City	Hereford	State	TX	ZIP	79045	ZIP + 4	7823
24. County	Deaf Smith							

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:			28. Longitude (W) In Decimal:					
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)			
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)								
Rendering and Pet Food Manufacturing								
34. Mailing Address:	3261 Tierra Blanca Road							
	City	Hereford	State	TX	ZIP	79045	ZIP + 4	7823
35. E-Mail Address:	jcates@countyserv.com							
36. Telephone Number			37. Extension or Code			38. Fax Number (if applicable)		
(806) 292-5736			N/A			() -		

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

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input checked="" type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
	TXR05W216			
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other: On Site Sewage Facility
	WQ0001300000			

A.4. SECTION IV: Preparer Information

40. Name:	Elena Ford	41. Title:	Environmental Supervisor
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(972) 672-8786	N/A	() -	eford@braunintertec.com

A.5. 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:	County Services, Inc.	Job Title:	Director of Operations
-----------------	-----------------------	-------------------	------------------------

Name (In Print):	John D. Cates	Phone:	(806) 292- 5736
Signature:		Date:	5/31/24

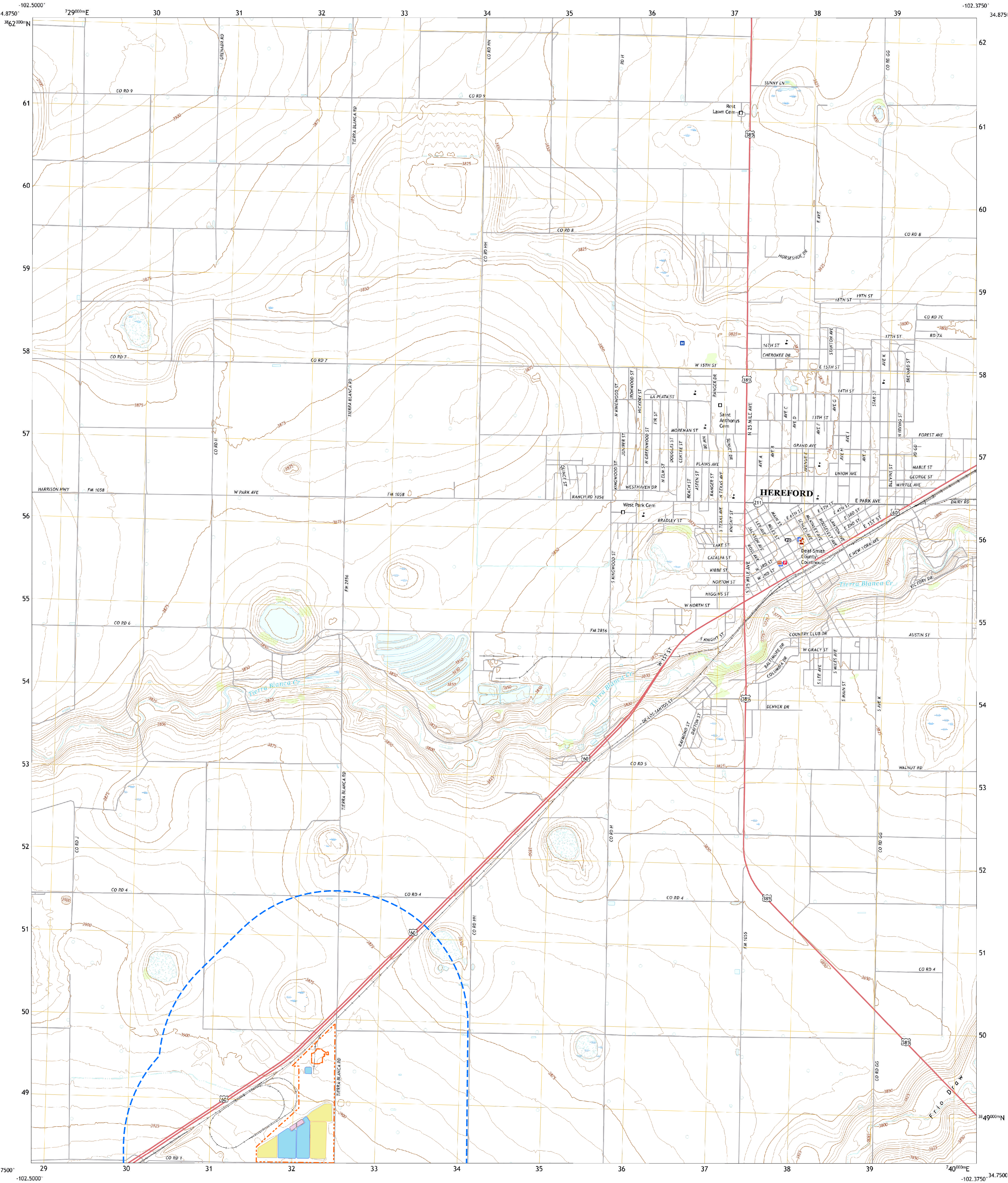
Attachment C
USGS Topo Map



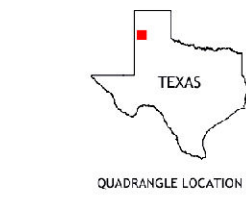
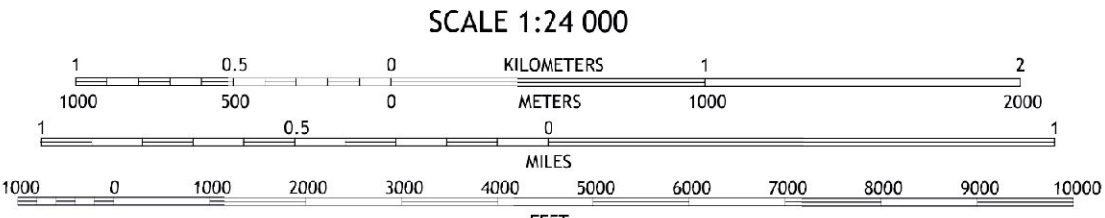
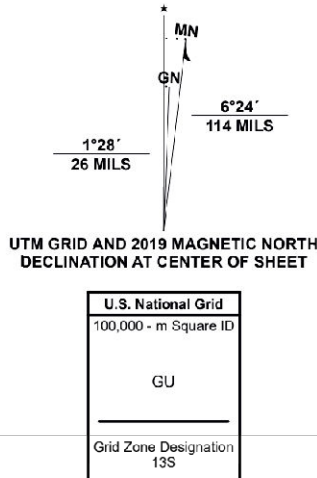
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY



HEREFORD QUADRANGLE
TEXAS - DEAF SMITH COUNTY
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid/Universal Transverse Mercator, Zone 13S
This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within government
reservations may not be shown. Obtain permission before
entering private lands.
Imagery.....NAD, August 2016 - November 2016
Roads.....U.S. Census Bureau, 2019
Names.....GNIS, 2008 - 2021
Hydrography.....National Hydrography Dataset, 2004 - 2018
Contours.....National Elevation Dataset, 2019
Boundaries.....Multiple sources; see metadata file 2019 - 2021
Wetlands.....FWS National Wetlands Inventory Not Available



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

1	2	3
4	5	6
7	8	9

1 Westway NE
2 Milo Center
3 Hereford NE
4 Westway
5 Hereford SE
6 Summerfield
7 Easter
8 Jumbo

HEREFORD, TX
2022

- Approximate Site Boundary
One-Mile Radius from Site Boundary
Treatment Facility Boundaries/Wastewater Ponds:
Evaporation Lagoon
Emergency Overflow Lagoon
Treatment Lagoon



Project No:
01512.000_TLAP
Drawing No:
A10C_USGS_Topo
Drawn By:
JPM
Date Drawn:
11/8/2023
Checked By:
EE
Last Modified:
6/4/2024

Texas Land Application Permit - WQ0001300000
3261 Tierra Blanca Road
Hereford, Texas

USGS Topo Map

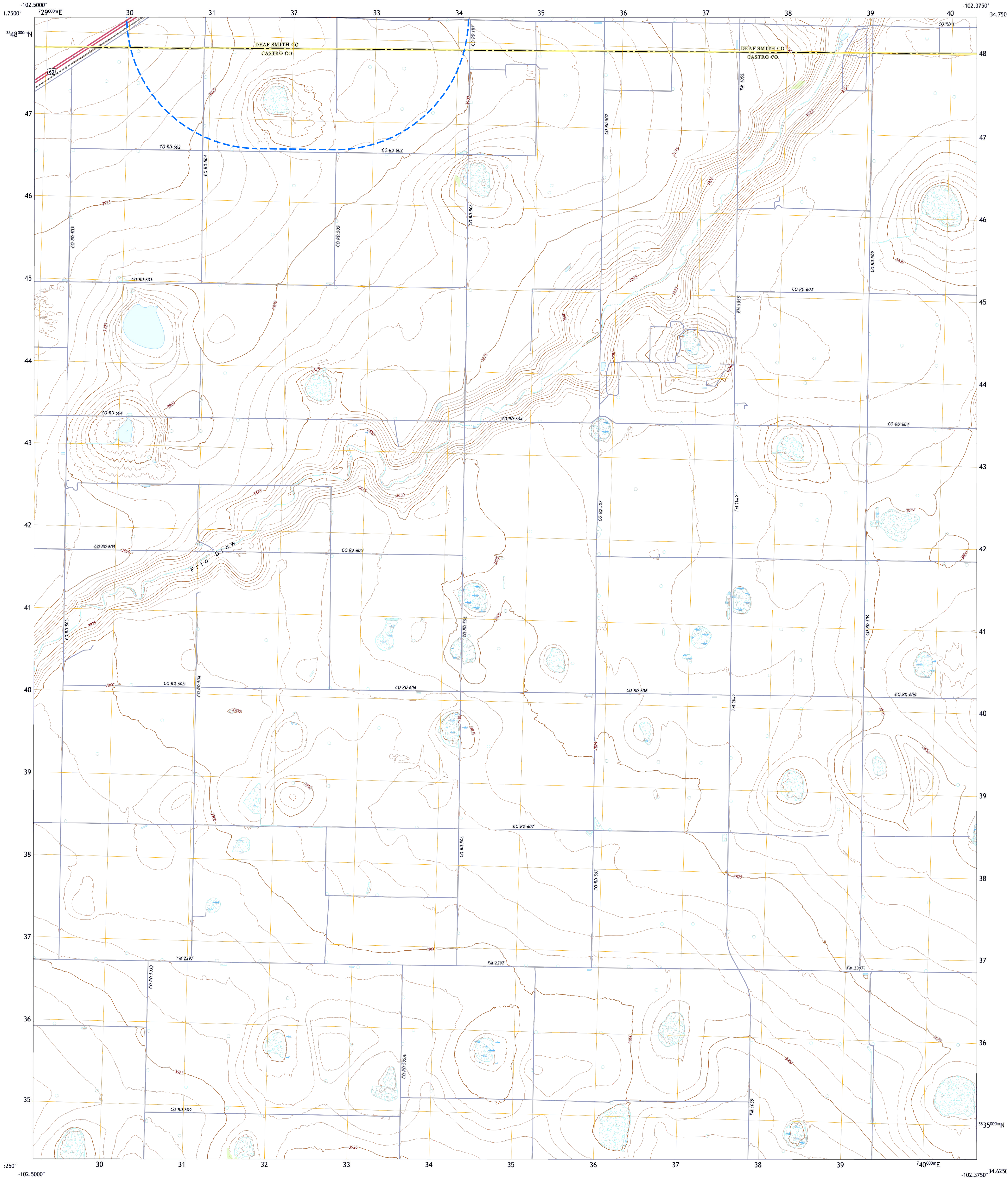
Attachment C-1



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

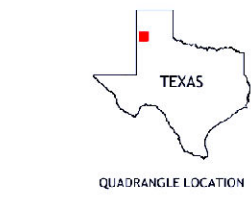
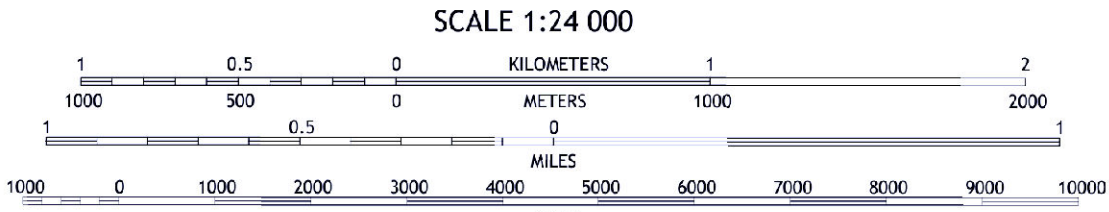
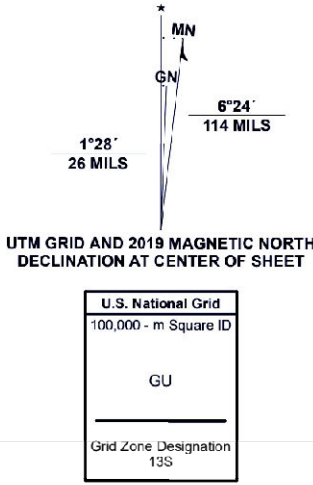


EASTER QUADRANGLE
TEXAS
7.5-MINUTE SERIES



Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter graticule/Universal Transverse Mercator, Zone 13S
This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within government
reservations may not be shown. Obtain permission before
entering private lands.
Imagery.....NAP, August 2016 - November 2016
Roads.....U.S. Census Bureau, 2015
Names.....GNIS, 2015 - 2017
Hydrography.....National Hydrography Dataset, 2003 - 2018
Contours.....National Elevation Dataset, 2019
Boundaries.....Multiple Sources; see metadata file 2019 - 2021
Wetlands.....FWS National Wetlands Inventory Not Available



1	2	3
4	5	6
7	8	9

ADJOINING QUADRANGLES

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

EASTER, TX
2022

- Approximate Site Boundary
- One-Mile Radius from Site Boundary
- Treatment Facility Boundaries/Wastewater Ponds:
- Evaporation Lagoon
- Emergency Overflow Lagoon
- Treatment Lagoon



Project No:
01512.006_TLAP
Drawing No:
A11C_USGS_Topo
Drawn By:
JPM
Date Drawn:
11/8/2023
Checked By:
EE
Last Modified:
6/4/2024

Texas Land Application Permit - WQ0001300000
3261 Tierra Blanca Road
Hereford, Texas

USGS Topo Map

Attachment C-2

Attachment D

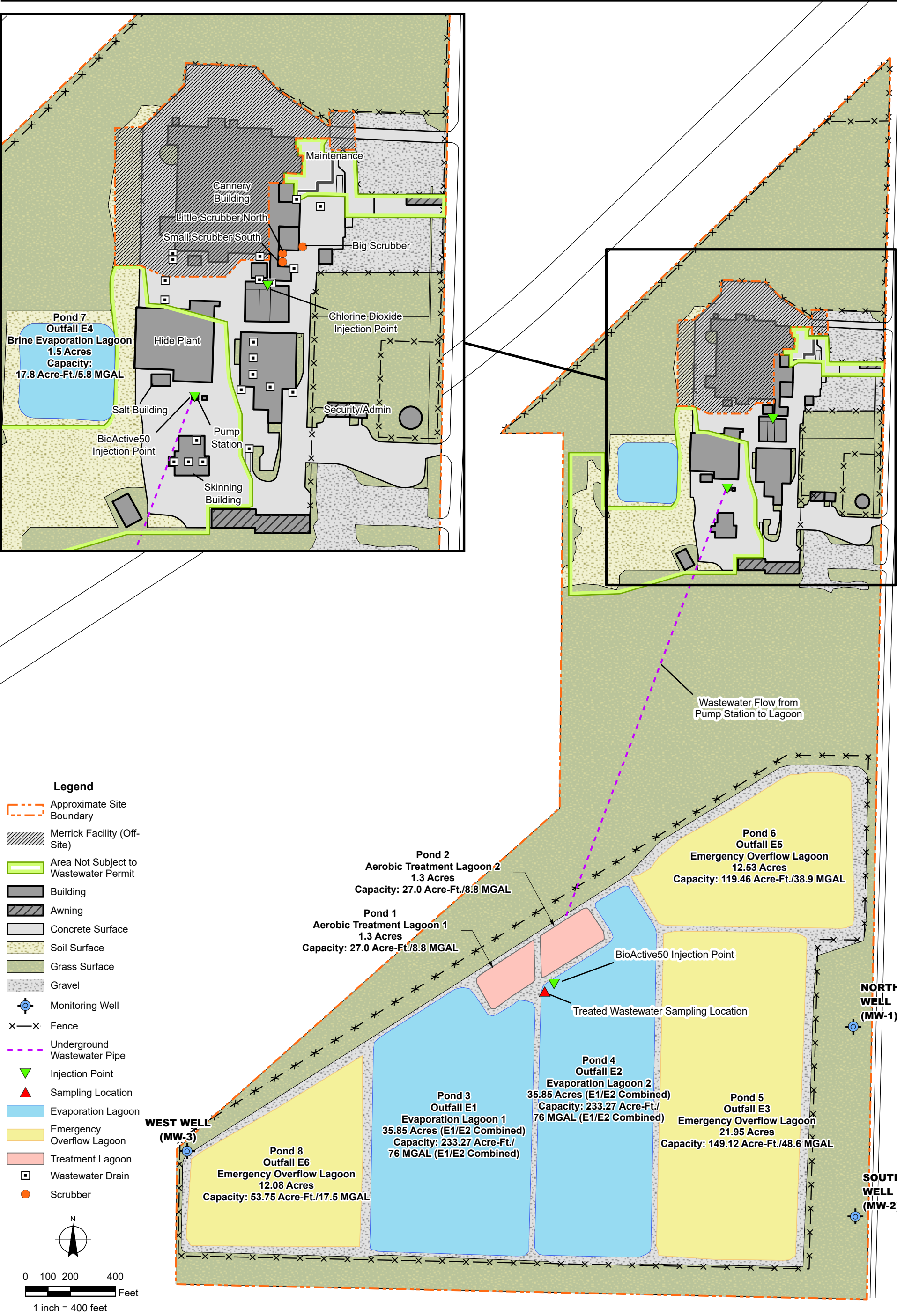
Raw Material List

Attachment D - Raw Material List
Nutri-Feeds, L.L.C.
Renewal with Changes Application
3261 Tierra Blanca Road
Hereford, Texas

Manufacturing Product	Product Use	Main Component and CAS number
Formula 105 (aliphatic and aromatic hydrocarbons)	Scrubber Odor Control	Aliphatic and Aromatic Hydrocarbons
Positive deodorant	Odor Control	Ethyl Alcohol 64-17-5 Ethyl Acetate 141-78-6 Methanol 67-56-1 Methyl Isobutyl Ketone 108-10-1
Di-Chlor Max (CD Max)	ClO ₂ Generator	Sodium Hypochlorite 7681-52-9 Sodium Chloride 7647-14-5 Sodium Hydroxide 1310-73-2
Chlorate activator	ClO ₂ Generator	Unlisted
RenderClean	Plant/Trailer Sanitizer	Unlisted
Quest Dyna-Myte	Scrubber Sanitizer	Tetrasodium EDTA 64-02-8 Sodium Tripolyphosphate 7758-29-4
Phosphoric Acid	Scrubber Sanitizer	Phosphoric Acid 7664-38-2 Deionized water 7732-18-5

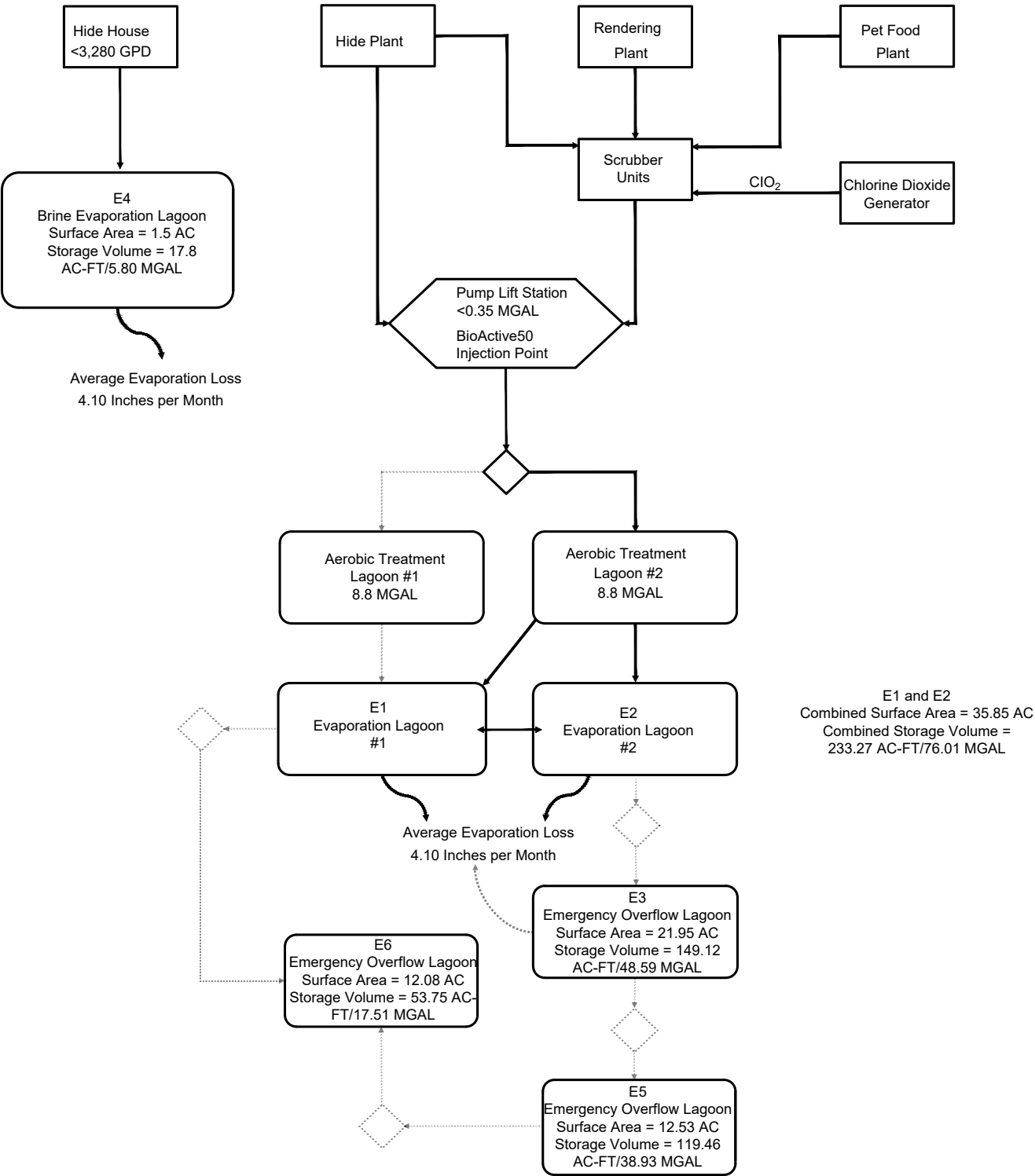
Attachment E

Facility Map



Attachment F

Water Balance Flow Schematic



Junction Box



Flow Direction



Unused Flow Direction

MGPD = Million Gallons Per Day

MGAL = Million Gallons

AC = Acres

AC-FT = Acre-Feet

**BRAUN
INTERTEC**

The Science You Build On.

1124 Galveston Avenue, Ste. 102
Fort Worth, TX 76104
952.995.2000
braunintertec.com

Project No:
01512.006

Drawing No:
ATT_F_WW_FLOW

Drawn By: JPM
Date Drawn: 11/9/2023
Checked By: EE
Last Modified: 5/31/24

Texas Land Application Permit - Application WQ0001300000

3261 Tierra Blanca Road

Hereford, Texas

**Wastewater Flow
Schematic**

Attachment F

Attachment G

Waste Stream Contributions

Attachment G – Waste Stream Contributions
Nutri-Feeds, L.L.C.
Renewal with Changes Application
3261 Tierra Blanca Road
Hereford, Texas

Outfall No.: E4 – Brine Evaporation Lagoon (Pond 7) Evaporation Disposal Method

Contributing Waste streams	Volume (MGD)	% of Total Flow
Hide House Brine Water Hide Processing Operations	<0.00328	100

Outfall No.: E5 – Emergency Overflow Lagoon (Pond 6) Evaporation Disposal Method

Contributing Waste streams	Volume (MGD)	% of Total Flow
Not currently active		

Outfall No.: E6 - Emergency Overflow Lagoon (Pond 8) Evaporation Disposal Method

Contributing Waste streams	Volume (MGD)	% of Total Flow
Not currently active		

Attachment H

Safety Data Sheets Summary

Attachment H - SDS Summary
Nutri-Feeds, L.L.C.
Renewal with Changes Application
3261 Tierra Blanca Road
Hereford, Texas

Manufacturing Product ID Number	Product Use	Chemical Composition	Product Classification (non-persistent, persistent, bioaccumulative)¹	Product or Active Ingredient Half-life¹	Frequency of Product Use	Product Toxicity to Fish and Aquatic Invertebrate Organisms¹	Product Concentration¹	Affected Outfall
B-42	Boiler treatment	Sodium Hydroxide – 1310-73-2	Non-persistent	No half-life	Daily	No data available ²	Less than 5%	E1/E2 No discharge
B-44	Boiler treatment	Sodium Hydroxide – 1310-73-2	Non-persistent	No half-life	Daily	No data available ²	Less than 5%	E1/E2 No discharge
B-54	Boiler treatment	Sodium Hexametaphosphate - 68915-31-1	Non-persistent	No half-life	Daily	No data available ²	No data available ²	E1/E2 No discharge
S-21	Boiler treatment	Cyclohexylamine – 08-91-8 Morpholine – 110-91-8	Non-persistent	No half-life	Daily	No data available ²	Less than 20%	E1/E2 No discharge
A-15S (Polyalkylene Glycol)	Boiler Treatment	Polyalkylene Glycol Monobutyl Ether - 9038-95-3	Non-persistent	No half-life	Two times per year	Non-toxic to Fish, and toxic to aquatic invertebrate organisms	> 65.0 - < 75.0%	E1/E2 No discharge
		Bisphenol A 80-05-7				Toxic to fish and aquatic invertebrate organisms	>1.0 - <3.0%	E1/E2 No discharge
NP-50	Wastewater Treatment	Bio-Amp™	Non-persistent	No half-life	Monthly	No data available ²	No data available ²	E1/E2 No discharge

1 – Product classification, product half-life, product toxicity, and product concentration obtained from the SDS provided.

2 - No data available from the SDS provided.

Safety Data Sheet

B-42

**PANHANDLE FLUID PROCESS, INC. dba
HYDROTHERM INDUSTRIES**
(806) 364-1363 P.O. BOX 1188 HEREFORD, TEXAS 79045

MATERIAL SAFETY DATA SHEETS

PRODUCT NAME: B-42 Boiler Water Treatment, Corrosive Material

HAZARD (S): As defined by OSHA Hazard Communication Standard Eye and Skin Irritant.

COMPONENTS

CHEMICAL NAME	CAS NO. +	% BY WT.
Sodium Hydroxide	1310-73-2	Less than 5
The balance of the components comprise proprietary information		

PHYSICAL DATA

APPEARANCE:	Clear solution	SPECIFIC GRAVITY: 1.08
ODOR:	None	PH (NEAT): Greater than 9
BOILING POINT:	Above 212 F	PH (100PPM IN WATER): N/A
SOLUBILITY:	Miscible in water	

FIRE AND EXPLOSION DATA

FLASH POINT:	None	FLAMMABLE LIMITS: N/A
EXTINGUISHING MEDIA: Water fog, Carbon Dioxide, Foam, Dry Chemical		
SPECIAL FIRE-FIGHTING PROCEDURES: None		

REACTIVITY DATA

STABILITY:	Stable	INCOMPATIBILITY: None
HAZARDOUS DECOMPOSITION PRODUCTS: None		
HAZARDOUS POLYMERIZATION: None		

HEALTH HAZARD INFORMATION

B-42 is a corrosive material.

ACUTE EFFECTS: Not tested, not expected to be hazardous by ingestion or dermal exposure based on components.

MATERIAL SAFETY DATA SHEETS (CONT.)

PRIMARY ROUTES OF ACUTE EXPOSURE

INHALATION - Airborne concentration of spray may cause damage to upper respiratory tract and even to the lung tissue proper which could produce chemical pneumonia, depending upon severity of exposure.

SKIN CONTACT - Irritant effects may vary depending on length of exposure, solution concentration and first aid measures.

EYE CONTACT - Probable eye irritant. Effects may range from mild to severe (possible corrosion) depending on the length of exposure, solution concentration and first aid measures

INGESTION - No data is available on human ingestion. May be harmful.

CHRONIC EXPOSURE - The effects from chronic exposure to this product have not been fully evaluated.

EMERGENCY AND FIRST AID PROCEDURES

EYES - Object is flush material out immediately then seek medical attention. Immediately flush eye with large amounts of water for at least 15 minutes holding lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness.

SKIN - Immediately wash contaminated areas with plenty of water. Remove contaminated clothing and footwear and wash clothing before reuse.

INHALATION - Get person out of contaminated area to fresh air. If breathing has stopped, resuscitate and administer oxygen if readily available.

INGESTION - Never give anything by mouth to an unconscious person. If conscious, have victim rinse mouth, then immediately give 2 to 4 glasses of water and induce vomiting by touching finger to back of throat. Continue until vomited fluid is clear. Get prompt medical attention. If cyanosis (blue skin) develops, give oxygen, provided a qualified operator is available.

MATERIAL SAFETY DATA SHEET (CONT.)**HANDLING PRECAUTIONS****VENTILATION REQUIREMENTS:**

Use adequate local exhaust ventilation.

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY: Respiration protection is not required under normal use.

EYE: Face shield and goggles or chemical goggles should be worn.

GLOVES: Gloves should be worn. Gloves may be decontaminated by washing with mild soap and water.

OTHER CLOTHING AND EQUIPMENT: Coveralls closed to the neck. Chemically resistant safety shoes. Wash contaminated clothing with soap and water and dry before reuse. Safety showers and eyewash stations should be provided in all areas in which chemical is used.

SPILL, LEAK AND DISPOSAL PROCEDURES

LARGE SPILLS: Dam area to prevent spill from spreading. Pump into appropriate containers. Dispose of as below.

SMALL SPILLS: Flush liquid into sewer with copious amounts of water.

PRODUCT DISPOSAL

CONTAINER DISPOSAL: Offer for recycling or triple rinse and dispose of in an approved landfill.

Safety Data Sheet

B-44

PANHANDLE FLUID PROCESS, INC. dba
HYDROTHERM INDUSTRIES
(806) 364-1363 P.O. BOX 1188 HEREFORD, TEXAS 79045

MATERIAL SAFETY DATA SHEETS

PRODUCT NAME: B-44 Boiler Water Treatment, Corrosive Material

HAZARD (S): As defined by OSHA Hazard Communication Standard Eye and Skin Irritant.

COMPONENTS

CHEMICAL NAME	CAS NO. +	% BY WT.
Sodium Hydroxide	1310-73-2	Less than 5
The balance of the components comprise proprietary information		

PHYSICAL DATA

APPEARANCE:	Clear solution	SPECIFIC GRAVITY:	1.08
ODOR:	None	PH (NEAT):	Greater than 12
BOILING POINT:	Above 212 F	PH (100PPM IN WATER):	9 to 10
SOLUBILITY:	Miscible in water		

FIRE AND EXPLOSION DATA

FLASH POINT: None below 212 F FLAMMABLE LIMITS: N/A
EXTINGUISHING MEDIA: Water fog, Carbon Dioxide, Foam, Dry Chemical
SPECIAL FIRE-FIGHTING PROCEDURES: None

REACTIVITY DATA

STABILITY: Stable INCOMPATIBILITY: None
HAZARDOUS DECOMPOSITION PRODUCTS: None
HAZARDOUS POLYMERIZATION: None

HEALTH HAZARD INFORMATION

B-44 is a corrosive material.
ACUTE EFFECTS: Not tested, not expected to be hazardous by ingestion or dermal exposure based on components.

ADD NICK

MATERIAL SAFETY DATA SHEETS (CONT.)

PRIMARY ROUTES OF ACUTE EXPOSURE

INHALATION - Airborne concentration of spray may cause damage to upper respiratory tract and even to the lung tissue proper which could produce chemical pneumonia, depending upon severity of exposure.

SKIN CONTACT - Irritant effects may vary depending on length of exposure, solution concentration and first aid measures.

EYE CONTACT - Probable eye irritant. Effects may range from mild to severe (possible corrosion) depending on the length of exposure, solution concentration and first aid measures

INGESTION - No data is available on human ingestion. May be harmful.

CHRONIC EXPOSURE - The effects from chronic exposure to this product have not been fully evaluated.

EMERGENCY AND FIRST AID PROCEDURES

EYES - Object is flush material out immediately then seek medical attention. Immediately flush eye with large amounts of water for at least 15 minutes holding lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness.

SKIN - Immediately wash contaminated areas with plenty of water. Remove contaminated clothing and footwear and wash clothing before reuse.

INHALATION - Get person out of contaminated area to fresh air. If breathing has stopped, resuscitate and administer oxygen if readily available.

INGESTION - Never give anything by mouth to an unconscious person. If conscious, have victim rinse mouth, then immediately give 2 to 4 glasses of water and induce vomiting by touching finger to back of throat. Continue until vomited fluid is clear. Get prompt medical attention. If cyanosis (blue skin) develops, give oxygen, provided a qualified operator is available.

MATERIAL SAFETY DATA SHEET (CONT.)**HANDLING PRECAUTIONS****VENTILATION REQUIREMENTS:**

Use adequate local exhaust ventilation.

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY: Respiration protection is not required under normal use.

EYE: Face shield and goggles or chemical goggles should be worn.

GLOVES: Gloves should be worn. Gloves may be decontaminated by washing with mild soap and water.

OTHER CLOTHING AND EQUIPMENT: Coveralls closed to the neck. Chemically resistant safety shoes. Wash contaminated clothing with soap and water and dry before reuse. Safety showers and eyewash stations should be provided in all areas in which chemical is used.

SPILL, LEAK AND DISPOSAL PROCEDURES

LARGE SPILLS: Dam area to prevent spill from spreading. Pump into appropriate containers. Dispose of as below.

SMALL SPILLS: Flush liquid into sewer with copious amounts of water.

PRODUCT DISPOSAL

CONTAINER DISPOSAL: Offer for recycling or triple rinse and dispose of in an approved landfill.

Safety Data Sheet

B-54

PANHANDLE FLUID PROCESS, INC. dba
HYDROTHERM INDUSTRIES
(806) 364-1363 P.O. BOX 1188 HEREFORD, TEXAS 79045

MATERIAL SAFETY DATA SHEETS

PRODUCT NAME: B-54 Boiler Water Treatment, Non Corrosive Material

HAZARD (S): As defined by OSHA Hazard Communication Standard
Non Hazardous

COMPONENTS

CHEMICAL NAME

CAS NO. +

% BY WT.

Sodium Hexametaphosphate

68915-31-1

The balance of the components comprises proprietary information

PHYSICAL DATA

APPEARANCE: Clear solution

SPECIFIC GRAVITY: 1.31

ODOR: None

PH (NEAT): Less than 9

BOILING POINT: Above 212 F

PH (100PPM IN WATER): N/A

SOLUBILITY: Miscible in water

FIRE AND EXPLOSION DATA

FLASH POINT: None below 212 F

FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: Water fog, Carbon Dioxide, Foam, Dry Chemical

SPECIAL FIRE-FIGHTING PROCEDURES: None

REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: None

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: None

HEALTH HAZARD INFORMATION

B-54 is a non corrosive material.

ACUTE EFFECTS: Not tested, not expected to be hazardous by ingestion or dermal exposure based on components.

Alvin Nick

MATERIAL SAFETY DATA SHEETS (CONT.)**ROUTES OF EXPOSURE**

INHALATION - Airborne concentration of spray may cause damage to the upper respiratory tract and even to the lung tissue proper which could produce chemical pneumonia, depending upon severity of exposure.

SKIN CONTACT No adverse effects from available information

EYE CONTACT No adverse effects from available information.

INGESTION No adverse effects from available information..

EFFECTS OF OVEREXPOSURE

ACUTE OVEREXPOSURE No adverse effects from available information

CHRONIC OVEREXPOSURE No adverse effects from available information.

EMERGENCY AND FIRST AID PROCEDURES

EYES OBJECT IS TO FLUSH MATERIAL OUT IMMEDIATELY THEN SEEK MEDICAL ATTENTION.
IMMEDIATELY flush eye with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness.

SKIN Immediately wash contaminated areas with plenty of water. Remove contaminated clothing and footwear and wash clothing before reuse.

INHALATION Get person out of contaminated area to fresh air. If Breathing has stopped, resuscitate and administer Oxygen if readily available.

INGESTION NEVER give anything by mouth to an unconscious person. If swallowed **DO NOT INDUCE VOMITING.** Give large quantity of water. If available give several glasses of milk. If vomiting occurs spontaneously, keep airway clear. Seek medical attention immediately.

MATERIAL SAFETY DATA SHEET (CONT.)**HANDLING PRECAUTIONS****VENTILATION REQUIREMENTS:**

Use adequate local exhaust ventilation.

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY: Respiration protection is not required under normal use.

EYE: Face shield and goggles or chemical goggles should be worn.

GLOVES: Gloves should be worn. Gloves may be decontaminated by washing with mild soap and water.

OTHER CLOTHING AND EQUIPMENT: Coveralls closed to the neck. Chemically resistant safety shoes. Wash contaminated clothing with soap and water and dry before reuse. Safety showers and eyewash stations should be provided in all areas in which chemical is used.

SPILL, LEAK AND DISPOSAL PROCEDURES

LARGE SPILLS: Dam area to prevent spill from spreading. Pump into appropriate containers. Dispose of as below.

SMALL SPILLS: Flush liquid into sewer with copious amounts of water.

PRODUCT DISPOSAL: Incinerate in a furnace or otherwise dispose of in accordance with applicable Federal, State and Local requirements.

CONTAINER DISPOSAL: Offer for recycling or triple rinse and dispose of in an approved landfill.

Safety Data Sheet

S-21



PANHANDLE FLUID PROCESS, INC. dba
HYDRO - THERM INDUSTRIES

(806) 364-1363 • P.O. Box 1188 • Hereford, Texas 79045

MATERIAL SAFETY DATA SHEETS

PRODUCT NAME: S-21 Steam Line Treatment Corrosive Material

HAZARD (S): As defined by OSHA Hazard Communication Standard
Eye and Skin irritant.

COMPONENTS

CHEMICAL NAME	CAS NO. +	%by wt.
Cyclohexylamine	108-91-8	Less than 20
Morpholine	110-91-8	Less than 20

The balance of the component comprises proprietary information.

PHYSICAL DATA

APPEARANCE: Clear solution	Specific gravity: 1.0018
Odor: Slight	PH (neat): Greater than 12
Boiling Point: Above 212 F	Ph (100PPM in water): 8 to 9
Solubility: Miscible in water	

FIRE AND EXPLOSION DATA

FLASH POINT: None below 212 F **Flammable limits:** N/A
Extinguishing Media: Water fog, Carbon Dioxide, Foam, Dry
Chemical.
Special Firefighting Procedures: None

REACTIVITY DATE

Stability: Stable **Incompatibility:** None
Hazardous Decomposition Products: None
Hazardous Polymerization: None

HEALTH HAZARD INFORMATION

S-21 Is a corrosive material.
Morpholine Acute Oral LD50 1.05 g/kg
Cyclohexylamine Acute Dermal LD50 .500 g/kg

MATERIAL SAFETY DATA SHEETS (CONT.)

PRIMARY ROUTES OF ACUTE EXPOSURE

INHALATION - Airborne concentration of spray may cause damage to upper respiratory tract and even to the lung tissue proper which could produce chemical pneumonia, depending upon severity of exposure.

SKIN CONTACT- Irritant effects may vary depending on length of exposure, solution concentration and first aid measures.

EYE CONTACT - Probable eye irritant. Effects may range from mild to severe (possible corrosion) depending on the length of exposure, solution concentration and first aid measures.

INGESTION - No data is available on human ingestion. May be harmful.

CHRONIC EXPOSURE - The effects from chronic exposure to this product have not been fully evaluated.

EMERGENCY AND FIRST AID PROCEDURES

EYES - Object is flush material out immediately then seek medical attention. Immediately flush eye with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness.

SKIN - Immediately wash contaminated areas with plenty of water. Remove contaminated clothing and footwear and wash clothing before reuse.

INHALATION - Get person out of contaminated area to fresh air. If breathing has stopped, resuscitate and administer oxygen if readily available.

INGESTION - Never give anything by mouth to an unconscious person. If conscious, have victim rinse mouth, then immediately give 2 to 4 glasses of water and induce vomiting by touching finger to back of throat. Continue until vomited fluid is clear. Get prompt medical attention. If cyanosis (blue skin) develops, give oxygen, provided a qualified operator is available.

MATERIAL SAFETY DATA SHEET (Cont.)

HANDLING PRECAUTIONS

VENTILATION REQUIREMENTS:

Use adequate local exhaust ventilation.

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY Respiration protection is not required under normal use.

EYE Face Shield and goggles or chemical goggles should be worn.

GLOVES Gloves should be worn. Gloves may be decontaminated by washing with mild soap and water.

OTHER CLOTHING AND EQUIPMENT Coveralls closed to the neck. Chemically resistant safety shoes. Wash contaminated clothing with soap and water and dry before reuse. Safety showers and eyewash stations should be provided in all areas in which chemical is used.

SPILL, LEAK AND DISPOSAL PROCEDURES

LARGE SPILLS Dam area to prevent spill from spreading. Pump into appropriate containers. Dispose of as below.

SMALL SPILLS Flush liquid to sewer with copious amounts of water.

PRODUCT DISPOSAL

CONTAINER DISPOSAL Offer for recycling or triple rinse and dispose of in an approved landfill.

Safety Data Sheet
A-15S (Polyalkylene Glycol)



SAFETY DATA SHEET

THE DOW CHEMICAL COMPANY

Product name: UCON™ Compressor Lubricant R-1

Issue Date: 10/15/2019

Print Date: 07/09/2021

THE DOW CHEMICAL COMPANY encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

1. IDENTIFICATION

Product name: UCON™ Compressor Lubricant R-1

Recommended use of the chemical and restrictions on use

Identified uses: Selection of the appropriate polyglycol product for a specific application requires knowledge of the fluid requirements of the application, awareness of the most important of these requirements, and a match-up with the properties of the various polyglycol materials. Polyglycol products can be formulated for use in numerous industry applications such as hydraulic fluids, quenchants, compressor and refrigeration lubricants, heat transfer fluids, machinery lubricants, solder assist fluids, metalworking lubricants, textile finishing, etc. We recommend that you use this product in a manner consistent with the listed use. If your intended use is not consistent with the stated use, please contact your sales or technical service representative.

COMPANY IDENTIFICATION

THE DOW CHEMICAL COMPANY
2211 H.H. DOW WAY
MIDLAND MI 48674
UNITED STATES

Customer Information Number:

800-258-2436
SDSQuestion@dow.com

EMERGENCY TELEPHONE NUMBER

24-Hour Emergency Contact: CHEMTREC +1 800-424-9300

Local Emergency Contact: 800-424-9300

2. HAZARDS IDENTIFICATION

Hazard classification

GHS classification in accordance with 29 CFR 1910.1200

Acute toxicity - Category 4 - Inhalation

Eye irritation - Category 2A

Reproductive toxicity - Category 2

Specific target organ toxicity - single exposure - Category 3

Label elements

Hazard pictograms



Signal word: **WARNING!**

Hazards

Causes serious eye irritation.

Harmful if inhaled.

May cause respiratory irritation.

Suspected of damaging fertility or the unborn child.

Precautionary statements**Prevention**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Avoid breathing dust, fume, gas, mist, vapours and/or spray.

Wash skin thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves, protective clothing, eye protection and/or face protection.

Response

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER and/or doctor if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice and/or attention.

If eye irritation persists: Get medical advice and/or attention.

Storage

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Disposal

Dispose of contents and/or container to an approved waste disposal plant.

Other hazards

No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

Component	CASRN	Concentration
Polyalkylene glycol monobutyl ether	9038-95-3	> 65.0 - < 75.0 %

Polyalkylene glycol monobutyl ether	9038-95-3	> 20.0 - < 30.0 %
Bisphenol A	80-05-7	> 1.0 - < 3.0 %

4. FIRST AID MEASURES

Description of first aid measures

General advice:

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Inhalation: Move person to fresh air. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc). If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.

Skin contact: Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands.

Eye contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist. Suitable emergency eye wash facility should be available in work area.

Ingestion: Rinse mouth with water. No emergency medical treatment necessary.

Most important symptoms and effects, both acute and delayed:

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed

Notes to physician: Repeated excessive exposure may aggravate preexisting lung disease. Maintain adequate ventilation and oxygenation of the patient. May cause asthma-like (reactive airways) symptoms. Bronchodilators, expectorants, antitussives and corticosteroids may be of help. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Water fog or fine spray.. Dry chemical fire extinguishers.. Carbon dioxide fire extinguishers.. Foam.. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective..

Unsuitable extinguishing media: Do not use direct water stream.. May spread fire..

Special hazards arising from the substance or mixture

Hazardous combustion products: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.. Combustion products may include and are not limited to:. Carbon monoxide.. Carbon dioxide..

Unusual Fire and Explosion Hazards: Container may rupture from gas generation in a fire situation.. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids..

Advice for firefighters

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry.. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed.. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles.. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container.. Burning liquids may be extinguished by dilution with water.. Do not use direct water stream. May spread fire.. Move container from fire area if this is possible without hazard.. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage..

Special protective equipment for firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves).. If protective equipment is not available or not used, fight fire from a protected location or safe distance..

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to section 7, Handling, for additional precautionary measures. Keep upwind of spill. Ventilate area of leak or spill. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Methods and materials for containment and cleaning up: Contain spilled material if possible. Collect in suitable and properly labeled containers. See Section 13, Disposal Considerations, for additional information.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid prolonged or repeated contact with skin. Avoid breathing vapor or mist. Avoid contact with eyes. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION. Spills of these organic materials on hot fibrous insulations may lead to lowering of the autoignition temperatures possibly resulting in spontaneous combustion.

Conditions for safe storage: Store in the following material(s): 316 stainless steel. Carbon steel. Glass-lined container. Polypropylene. Polyethylene-lined container. Stainless steel. Teflon. This material may soften and lift certain paint and surface coatings. Use product promptly after opening. Store in original unopened container. Unopened containers of material stored beyond the recommended shelf life should be retested against the sales specifications before use. Additional storage and handling information on this product may be obtained by calling your sales or customer service contact.

Storage stability

Shelf life: Use within
24 Month

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

Component	Regulation	Type of listing	Value
Bisphenol A	Dow IHG	TWA Inhalable fraction and vapor	2 mg/m3

Exposure controls

Engineering controls: Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

Individual protection measures

Eye/face protection: Use chemical goggles.

Skin protection

Hand protection: Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Examples of preferred glove barrier materials include: Butyl rubber. Ethyl vinyl alcohol laminate ("EVAL"). Examples of acceptable glove barrier materials include: Natural rubber ("latex"). Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Other protection: Wear clean, body-covering clothing.

Respiratory protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use an approved respirator. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	Liquid.
Color	Yellow
Odor	Mild
Odor Threshold	No test data available
pH	No test data available
Melting point/range	Not applicable to liquids
Freezing point	See Pour Point
Boiling point (760 mmHg)	> 200 °C (> 392 °F) <i>Calculated.</i> Calculated.
Flash point	closed cup 241 °C (466 °F) <i>ASTM D 93</i>
Evaporation Rate (Butyl Acetate = 1)	No test data available
Flammability (solid, gas)	Not applicable to liquids
Flammability (liquids)	Not expected to be a static-accumulating flammable liquid.
Lower explosion limit	No test data available
Upper explosion limit	No test data available
Vapor Pressure	< 0.01 mmHg at 20 °C (68 °F) <i>ASTM E1719</i>
Relative Vapor Density (air = 1)	>1 <i>Calculated.</i>
Relative Density (water = 1)	1.053 at 20 °C (68 °F) / 20 °C <i>Calculated.</i>
Water solubility	980 g/L <i>Visual</i>
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No test data available
Decomposition temperature	No test data available
Kinematic Viscosity	187 - 207 cSt at 40 °C (104 °F) <i>ASTM D 445</i>
Explosive properties	No test data available
Oxidizing properties	No test data available
Molecular weight	No data available
Molecular formula	Trade secret
Volatile Organic Compounds	0.00 g/L <i>EPA Method No. 24</i>

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Reactivity: No data available

Chemical stability: Thermally stable at recommended temperatures and pressures.

Possibility of hazardous reactions: Polymerization will not occur.

Conditions to avoid: Exposure to elevated temperatures can cause product to decompose. Generation of gas during decomposition can cause pressure in closed systems.

Incompatible materials: Avoid contact with: Strong acids. Strong bases. Strong oxidizers.

Hazardous decomposition products: Decomposition products depend upon temperature, air supply and the presence of other materials.. Decomposition products can include and are not limited to:. Aldehydes.. Alcohols.. Ethers.. Hydrocarbons.. Ketones.. Organic acids.. Polymer fragments..

11. TOXICOLOGICAL INFORMATION

Toxicological information appears in this section when such data is available.

Information on likely routes of exposure

Ingestion, Inhalation, Skin contact, Eye contact.

Acute toxicity (represents short term exposures with immediate effects - no chronic/delayed effects known unless otherwise noted)

Acute oral toxicity

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

As product: Single dose oral LD50 has not been determined.

Based on information for component(s):

LD50, Rat, > 5,000 mg/kg Estimated.

Information for components:

Polyalkylene glycol monobutyl ether

LD50, Rat, 8,639 mg/kg

Polyalkylene glycol monobutyl ether

LD50, Rat, > 21,753 mg/kg

Bisphenol A

LD50, Rat, male and female, > 2,000 mg/kg

Acute dermal toxicity

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

As product: The dermal LD50 has not been determined.

Based on information for component(s):

LD50, Rabbit, > 8,000 mg/kg Estimated.

Information for components:

Polyalkylene glycol monobutyl ether

LD50, Rabbit, > 8,000 mg/kg

Polyalkylene glycol monobutyl ether

LD50, Rabbit, > 21,120 mg/kg

Bisphenol A

LD50, Rabbit, 3,000 mg/kg

Acute inhalation toxicity

At room temperature, exposure to vapor is minimal due to low volatility; single exposure is not likely to be hazardous. Vapor from heated material or mist may cause effects including irritation to upper respiratory tract and lungs. Prolonged exposure to aerosol/mist may cause serious adverse effects, even death. This product should not be used in aerosol applications.

As product: The LC50 has not been determined.

Information for components:

Polyalkylene glycol monobutyl ether

LC50, Rat, 4 Hour, dust/mist, > 5.01 mg/l No deaths occurred at this concentration.

Polyalkylene glycol monobutyl ether

LC50, Rat, 4 Hour, dust/mist, 0.33 mg/l

Bisphenol A

The LC50 has not been determined.

Skin corrosion/irritation

Based on information for component(s):

Brief contact is essentially nonirritating to skin.

Information for components:

Polyalkylene glycol monobutyl ether

Brief contact is essentially nonirritating to skin.

Polyalkylene glycol monobutyl ether

Brief contact is essentially nonirritating to skin.

Bisphenol A

Brief contact is essentially nonirritating to skin.

Prolonged contact may cause skin irritation with local redness.

Repeated contact may cause skin irritation with local redness.

Serious eye damage/eye irritation

Based on information for component(s):

May cause slight eye irritation.

May cause slight corneal injury.

Information for components:

Polyalkylene glycol monobutyl ether

Essentially nonirritating to eyes.

Corneal injury is unlikely.

Polyalkylene glycol monobutyl ether

Essentially nonirritating to eyes.

Bisphenol A

May cause moderate eye irritation.
May cause slight corneal injury.
Dust may irritate eyes.
May cause permanent impairment of vision.

Sensitization

For the minor component(s):

Skin contact may cause an allergic skin reaction in a small proportion of individuals.

For respiratory sensitization:

No relevant information found.

Information for components:

Polyalkylene glycol monobutyl ether

Did not cause allergic skin reactions when tested in humans.

For respiratory sensitization:

No relevant data found.

Polyalkylene glycol monobutyl ether

For this family of materials:

Did not cause allergic skin reactions when tested in humans.

For respiratory sensitization:

No relevant data found.

Bisphenol A

Skin contact may cause an allergic skin reaction.

For respiratory sensitization:

No relevant data found.

Specific Target Organ Systemic Toxicity (Single Exposure)

May cause respiratory irritation.

Route of Exposure: inhalation (vapour)

Target Organs: Respiratory Tract

Information for components:

Polyalkylene glycol monobutyl ether

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Polyalkylene glycol monobutyl ether

May cause respiratory irritation.

Route of Exposure: Inhalation

Target Organs: Respiratory Tract

Bisphenol A

May cause respiratory irritation.

Route of Exposure: Inhalation

Target Organs: Respiratory Tract

Aspiration Hazard

Based on physical properties, not likely to be an aspiration hazard.

Information for components:

Polyalkylene glycol monobutyl ether

Based on physical properties, not likely to be an aspiration hazard.

Polyalkylene glycol monobutyl ether

Based on physical properties, not likely to be an aspiration hazard.

Bisphenol A

Based on physical properties, not likely to be an aspiration hazard.

Chronic toxicity (represents longer term exposures with repeated dose resulting in chronic/delayed effects - no immediate effects known unless otherwise noted)

Specific Target Organ Systemic Toxicity (Repeated Exposure)

For some component(s):

In animals, effects have been reported on the following organs after exposure to aerosols:
Lung.

Information for components:

Polyalkylene glycol monobutyl ether

Mist may cause irritation of upper respiratory tract (nose and throat) and lungs.

Polyalkylene glycol monobutyl ether

Exposure to high concentrations of mist and/or aerosol may be associated with delayed lung damage.

Bisphenol A

Liver effects and questionable kidney and bladder effects were observed in animals fed bisphenol A.

Carcinogenicity

Similar material(s) did not cause cancer in laboratory animals.

Information for components:

Polyalkylene glycol monobutyl ether

Similar material(s) did not cause cancer in laboratory animals.

Polyalkylene glycol monobutyl ether

No relevant data found.

Bisphenol A

No convincing evidence for carcinogenicity of Bisphenol A has been seen in long-term animal studies.

Teratogenicity

For the minor component(s): Has been toxic to the fetus in laboratory animals at doses toxic to the mother. Did not cause birth defects in laboratory animals.

Information for components:**Polyalkylene glycol monobutyl ether**

No relevant data found.

Polyalkylene glycol monobutyl ether

No relevant data found.

Bisphenol A

Has been toxic to the fetus in laboratory animals at doses toxic to the mother. Did not cause birth defects in laboratory animals.

Reproductive toxicity

Bisphenol A affected reproduction in rats and mice, but only at high exposure levels that exceeded the body's capacity to metabolize and deactivate the chemical. Maintaining exposures below appropriate workplace exposure limits should avoid these and other effects.

Information for components:**Polyalkylene glycol monobutyl ether**

No relevant data found.

Polyalkylene glycol monobutyl ether

No relevant data found.

Bisphenol A

Bisphenol A affected reproduction in rats and mice, but only at high exposure levels that exceeded the body's capacity to metabolize and deactivate the chemical. Maintaining exposures below appropriate workplace exposure limits should avoid these and other effects.

Mutagenicity

For the minor component(s): In vitro genetic toxicity studies were predominantly negative. Animal genetic toxicity studies were negative.

Information for components:**Polyalkylene glycol monobutyl ether**

No relevant data found.

Polyalkylene glycol monobutyl ether

Based on information for a similar material: In vitro genetic toxicity studies were negative in some cases and positive in other cases. Animal genetic toxicity studies were negative.

Bisphenol A

In vitro genetic toxicity studies were predominantly negative. Animal genetic toxicity studies were negative.

12. ECOLOGICAL INFORMATION

Ecotoxicological information appears in this section when such data is available.

Toxicity

Polyalkylene glycol monobutyl ether**Acute toxicity to fish**

Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).
LC50, Pimephales promelas (fathead minnow), static test, 96 Hour, 24,500 mg/l, OECD Test Guideline 203 or Equivalent

Acute toxicity to aquatic invertebrates

EC50, Daphnia magna (Water flea), static test, 48 Hour, 21,000 mg/l, OECD Test Guideline 202 or Equivalent

Toxicity to bacteria

IC50, Bacteria, static test, 16 Hour, Growth inhibition, 32,000 mg/l, OECD 209 Test

Polyalkylene glycol monobutyl ether**Acute toxicity to fish**

For this family of materials:
Material is practically non-toxic to fish on an acute basis (LC50 > 100 mg/L).
For this family of materials:
LL50, Poecilia reticulata (guppy), static test, 96 Hour, > 100 mg/l, OECD Test Guideline 203 or Equivalent

Acute toxicity to aquatic invertebrates

For this family of materials:
EL50, Daphnia magna (Water flea), Static, 48 Hour, > 100 mg/l, OECD Test Guideline 202 or Equivalent

Bisphenol A**Acute toxicity to fish**

Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/L in the most sensitive species tested).
LC50, Fathead minnow (Pimephales promelas), 96 Hour, 4.6 mg/l
LC50, Atlantic silverside (Menidia menidia), 96 Hour, 9.4 mg/l

Acute toxicity to aquatic invertebrates

EC50, Daphnia magna (Water flea), 48 Hour, 10.2 mg/l
EC50, saltwater mysid Mysidopsis bahia, 96 Hour, 1.1 mg/l

Acute toxicity to algae/aquatic plants

EC50, Skeletonema costatum (marine diatom), static test, 96 Hour, Growth rate inhibition, 1.1 mg/l

Toxicity to bacteria

EC50, Bacteria, 96 Hour, Respiration rates., > 320 mg/l

Chronic toxicity to fish

NOEC, Fathead minnow (Pimephales promelas), 164 d, mortality, 0.160 mg/l
NOEC, Pimephales promelas (fathead minnow), 444 d, number of offspring, 0.016 mg/l
NOEC, Cyprinodon variegatus (sheepshead minnow), 116 d, number of offspring, 0.066 mg/l

Chronic toxicity to aquatic invertebrates

NOEC, saltwater mysid Mysidopsis bahia, 28 d, number of offspring, 0.17 mg/l
NOEC, Marisa cornuarietis (Giant Ramshorn Snail), 328 d, growth, 0.025 mg/l

Persistence and degradability**Polyalkylene glycol monobutyl ether**

Biodegradability: Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

10-day Window: Fail

Biodegradation: 45 %

Exposure time: 28 d

Method: OECD Test Guideline 301B or Equivalent

10-day Window: Fail

Biodegradation: 44 %

Exposure time: 28 d

Method: OECD Test Guideline 301F or Equivalent

Polyalkylene glycol monobutyl ether

Biodegradability: Based on information for a similar material: Material is inherently biodegradable (reaches > 20% biodegradation in OECD test(s) for inherent biodegradability).

Bisphenol A

Biodegradability: Material is readily biodegradable. Passes OECD test(s) for ready biodegradability.

10-day Window: Pass

Biodegradation: 93.1 %

Exposure time: 28 d

Method: OECD Test Guideline 301F or Equivalent

10-day Window: Not applicable

Biodegradation: 87 - 95 %

Exposure time: 28 d

Method: OECD Test Guideline 302A or Equivalent

Theoretical Oxygen Demand: 2.52 mg/mg

Photodegradation

Test Type: Half-life (direct photolysis)

Method: Measured

Bioaccumulative potential**Polyalkylene glycol monobutyl ether**

Bioaccumulation: For this family of materials: No bioconcentration is expected because of the relatively high water solubility.

Polyalkylene glycol monobutyl ether

Bioaccumulation: For this family of materials: No bioconcentration is expected because of the relatively high molecular weight (MW greater than 1000).

Bisphenol A

Bioaccumulation: Bioconcentration potential is low (BCF less than 100 or log Pow greater than 7).

Partition coefficient: n-octanol/water(log Pow): 3.4 at 21.5 °C OECD Test Guideline 107 or Equivalent

Bioconcentration factor (BCF): 5.1 - 13.3 Cyprinus carpio (Carp) 42 d

Mobility in soil**Polyalkylene glycol monobutyl ether**

No relevant data found.

Polyalkylene glycol monobutyl ether

No relevant data found.

Bisphenol A

Potential for mobility in soil is low (Koc between 500 and 2000).

Partition coefficient (Koc): 636 - 931 Measured

13. DISPOSAL CONSIDERATIONS

Disposal methods: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device.

14. TRANSPORT INFORMATION

DOT

Not regulated for transport

Classification for SEA transport (IMO-IMDG):

**Transport in bulk
according to Annex I or II
of MARPOL 73/78 and the
IBC or IGC Code**

Not regulated for transport

Consult IMO regulations before transporting ocean bulk

Classification for AIR transport (IATA/ICAO):

Not regulated for transport

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

Acute toxicity (any route of exposure)

Serious eye damage or eye irritation

Reproductive toxicity

Specific target organ toxicity (single or repeated exposure)

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

This product contains the following substances which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and which are listed in 40 CFR 372.

Components

Bisphenol A

CASRN

80-05-7

Pennsylvania Worker and Community Right-To-Know Act:

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

California Prop. 65

WARNING: This product can expose you to chemicals including Bisphenol A, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

United States TSCA Inventory (TSCA)

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

16. OTHER INFORMATION

Hazard Rating System**NFPA**

Health	Flammability	Instability
1	1	0

Revision

Identification Number: 177711 / A001 / Issue Date: 10/15/2019 / Version: 14.0

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

Legend

Dow IHG	Dow Industrial Hygiene Guideline
TWA	Time Weighted Average (TWA):

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Information Source and References

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

THE DOW CHEMICAL COMPANY urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.

US

Safety Data Sheet

NP-50



GLOBAL ENVIRONMENTAL RESTORATION SAFETY DATA SHEET

Global Environmental Restoration, Inc

Safety Data Sheet

SECTION I

IDENTIFICATION

NP-50

August 2015

DISTRIBUTOR / MANUFACTURER:

Global Environmental Restoration, Inc.
P.O. Box 667
Carencro, LA 70520

PHONE NUMBERS:

Product Information
Medical Emergency

(877) 236-4710
Chem-Tel (800) 255-3924

Product use: Farm use

Not recommended for: Human consumption

SECTION II – HAZARDS

According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910:1200

GHS Ratings:

GHS Hazards:

GHS Precautions:

Signal Word:

There are no GHS ratings that apply to this product at this time however this SDS contains valuable information on the safe handling and storage of this product.

SECTION III - COMPOSITION

CHEMICAL NAME: NP-50

CAS NUMBER

Weight Concentration %

SECTION IV - FIRST AID MEASURES

INHALATION - Take affected persons out into the fresh air. Supply fresh air; consult doctor in case of complaints.

Provide oxygen treatment if affected person has difficulty breathing.

In case of irregular breathing or respiratory arrest provide artificial respiration.

In case of unconsciousness place patient stably in side position for transportation.

EYE CONTACT - In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, quickly remove them, then flush the eyes with water. Have a physician examine the eyes if irritation persists.

SKIN CONTACT - Immediately remove any clothing soiled by the product.

Immediately wash with water and soap and rinse thoroughly.

Rinse until skin no longer feels slippery.

If skin irritation continues, consult a doctor.

INGESTION - If material is ingested, rinse out mouth with water and seek immediate medical attention. Do not induce vomiting but if vomiting occurs spontaneously, keep the head below the hips to prevent aspiration of liquid into the lungs. If victim is conscious drink large quantities of water to dilute stomach contents.

Notes to Physician:

If swallowed or in case of vomiting, danger of entering the lungs.

If necessary oxygen respiration treatment.

SECTION V - FIRE FIGHTING MEASURES

Flash Point: None

LEL:

UEL:

EXTINGUISHING MEDIA: This product is not inherently flammable. Use media appropriate for surrounding fire.

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known.

HAZARDOUS COMBUSTION PRODUCTS: See section 10 for a list of hazardous decomposition products for this mixture.

FIRE FIGHTING: If evacuation of personnel is necessary, evacuate to an upwind area.

Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

FIRE FIGHTING EQUIPMENT: Firemen and emergency responders: wear full turnout gear or Level A equipment, including positive-pressure, self-contained breathing apparatus (SCBA).

SECTION VI - ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES: Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Keep nonessential personnel away from the contaminated area. Spilled product may be very slippery!

SMALL SPILLS: Ventilate the contaminated area. Mix the appropriate sorbent into the spilled material. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Collect the saturated sorbent and transfer it into a covered container. Steel or plastic containers are acceptable for wastes. Rinse with water to remove any residue.

Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

LARGE SPILLS: Prevent this material from entering sewers and watercourses by diking or impounding the spilled material. Advise authorities if the product has entered or may enter, sewers, watercourses, or extensive land areas.

Ventilate the contaminated area. Mix the appropriate sorbent into the spilled material. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Collect the saturated sorbent and transfer it into a covered container. Steel or plastic containers are acceptable for wastes. Rinse with water to remove any residue.

Label the waste container. Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

SECTION VII - HANDLING AND STORAGE

HANDLING PRECAUTIONS: Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Avoid aerosolizing product. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containers closed when not in use. Store at room temperatures, i.e., 40 to 95 F (4 to 35 C).

STORAGE: Requirements to be met by storerooms and receptacles:

Store in a cool location.

Provide ventilation for receptacles.

· **Information about storage in one common storage facility:**

Store away from foodstuffs.

Do not store together with acids.

· Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Keep container tightly sealed.

REGULATORY REQUIREMENTS: No data found.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

Other Exposure Limits

ACGIH Exposure Limits
OSHA Exposure Limits
Chemical Name / CAS No.

Water

7732-18-5

Not Established

Not Established

Not Established

ENGINEERING:

VENTILATION: Use only with adequate ventilation, i.e., ventilation in compliance with occupational exposure limits. Use mechanical ventilation to reduce buildup of vapors in enclosed areas.

ADMINISTRATIVE CONTROLS: Read SDS and follow recommended procedures.

PROTECTIVE EQUIPMENT: Wear splash goggles. If extra protection is required, wear a face shield over the splash goggles. Face shields are effective only if worn in addition to splash goggles.

Wear a chemical-resistant, butyl-rubber apron and other protective clothing, as deemed appropriate, to avoid skin contact with material.

Wear chemical-resistant gloves (butyl rubber or neoprene). Protective gloves should be inspected frequently and discarded when they exhibit cuts, tears, pinholes, or signs of excessive wear.

Respiratory protection may not be needed if the local exhaust is sufficient to maintain levels of hazardous ingredients below occupational exposure limits. If needed, use a NIOSH/MSHA approved respirator equipped with a full facepiece, organic vapor cartridges, and high-efficiency, particulate air (HEPA) filters. Do not use respirators beyond their capabilities. FOR

EMERGENCIES AND UNKNOWN CONCENTRATIONS, use supplied-air respiratory protection or a positive-pressure, self-contained breathing apparatus (SCBA).

CONTAMINATED EQUIPMENT: Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

This mixture typically exhibits the following properties under normal circumstances:

Tan liquid

Appearance:

Mild

Odor:

17.0 mmHg

Vapor Pressure:

No Data

Odor threshold:

0.6

Vapor Density:

4

pH:

1.02

Specific Gravity:

No Data

Melting point:

No Data

Freezing point:

No Data

Solubility:

100°C

Boiling range:

Not Applicable

Flash point:

No Data

Evaporation rate:

No Data

Flammability:

Not Applicable

Explosive Limits:

No Data

Partition coefficient (n-octanol/water):

No Data

Autoignition temperature:

No Data

Decomposition temperature:

No Data

Viscosity:

No Data

Grams VOC less water:

SECTION X - STABILITY AND REACTIVITY

Stability: Hazardous polymerization will not occur.

STABLE

Components of this mixture are incompatible with the following materials: Strong acids, bases, and oxidizers.

This mixture is likely to exhibit the following combustion products:

Oxides of carbon and nitrogen

SECTION XI - TOXICOLOGICAL INFORMATION

Mixture Toxicity

Component Toxicity

Exposure to this material may affect the following organs:

Effects of Overexposure

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

Carcinogen Rating

CAS Number

Description

% Weight

SECTION XII - ECOLOGICAL INFORMATION

Ecological Information: No data found

Component Ecotoxicity

SECTION XIII - DISPOSAL CONSIDERATIONS

As the US EPA, state, regional, and other regulatory agencies may have jurisdiction over the disposal of your facility's hazardous waste, it is incumbent upon you, the hazardous waste generator, to learn of and satisfy all the requirements which affect you. Dispose of the hazardous waste at a properly licensed and permitted disposal site or facility. Ensure conformity to all applicable hazardous waste disposal regulations.

The US EPA Hazardous Waste Numbers which follow are applicable to this unadulterated product if the product enters the "waste stream." Refer to Title 40 of the Code of Federal Regulations, Part 261 (40 CFR 261). This part of the Code identifies solid wastes which are subject to regulation under various sections of the Code and which are subject to the notification requirements of Section 3010 of the Resource Conservation and Recovery Act (RCRA).

SECTION XIV - TRANSPORT INFORMATION

This material is classified for transport as follows:

Hazard Class

Packing Group

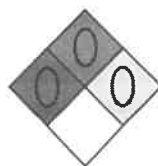
UN Number

Proper Shipping Name

Agency

US DOT

Non Regulated



SECTION XV - REGULATORY INFORMATION

Additional regulatory listings, where applicable.

All Components Listed

Regulation

Country

Canada

Canadian Domestic Substances List

Yes

US

Toxic Substances Control Act

Yes

EU Risk Phrases

Safety Phrase

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

- None

SECTION XVI - OTHER INFORMATION

Hazardous Material Information System (HMIS)

National Fire Protection Association (NFPA)

HMIS & NFPA Hazard Rating Legend

*** = Chronic Health Hazard**

0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

4 = SEVERE

Special 0

Instability 0

Flammability 0

Health 0

DISCLAIMER AND NON-WARRANTY: This Safety Data Sheet was prepared by Shore Corporation and is correct to the best of our knowledge, information and belief at the date of its publication. The information came from raw material suppliers, regulatory databases, and/or third parties with expertise in this area. This information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. No warranties of any kind, either expressed or implied, including warranties of the accuracy of the information presented and the suitability of a product for a particular purpose

END OF DOCUMENT

Safety Data Sheet

BioActive 50



GLOBAL ENVIRONMENTAL RESTORATION SAFETY DATA SHEET

Global Environmental Restoration, Inc

Safety Data Sheet

SECTION I

IDENTIFICATION

BioActive 50
Wastewater Treatment

August 2015

DISTRIBUTOR / MANUFACTURER:

Global Environmental Restoration, Inc.
P.O. Box 667
Carencro, LA 70520

PHONE NUMBERS:

Product Information
Medical Emergency

(877) 236-4710
Chem-Tel (800) 255-3924

Product use: Farm use

Not recommended for: Human consumption

SECTION II – HAZARDS

According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910:1200

GHS Ratings:

GHS Hazards:

GHS Precautions:

Signal Word:

There are no GHS ratings that apply to this product at this time however this SDS contains valuable information on the safe handling and storage of this product.

SECTION III - COMPOSITION

CHEMICAL NAME: BioActive 50

CAS NUMBER

Weight Concentration %

SECTION IV - FIRST AID MEASURES

INHALATION - Take affected persons out into the fresh air. Supply fresh air; consult doctor in case of complaints.

Provide oxygen treatment if affected person has difficulty breathing.

In case of irregular breathing or respiratory arrest provide artificial respiration.

In case of unconsciousness place patient stably in side position for transportation.

EYE CONTACT - In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, quickly remove them, then flush the eyes with water. Have a physician examine the eyes if irritation persists.

SKIN CONTACT - Immediately remove any clothing soiled by the product.

Immediately wash with water and soap and rinse thoroughly.

Rinse until skin no longer feels slippery.

If skin irritation continues, consult a doctor.

INGESTION - If material is ingested, rinse out mouth with water and seek immediate medical attention. Do not induce vomiting but if vomiting occurs spontaneously, keep the head below the hips to prevent aspiration of liquid into the lungs. If victim is conscious drink large quantities of water to dilute stomach contents.

Notes to Physician:

If swallowed or in case of vomiting, danger of entering the lungs.

If necessary oxygen respiration treatment.

SECTION V - FIRE FIGHTING MEASURES

Flash Point: None

LEL:

UEL:

EXTINGUISHING MEDIA: This product is not inherently flammable. Use media appropriate for surrounding fire.

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known.

HAZARDOUS COMBUSTION PRODUCTS: See section 10 for a list of hazardous decomposition products for this mixture.

FIRE FIGHTING: If evacuation of personnel is necessary, evacuate to an upwind area.

Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

FIRE FIGHTING EQUIPMENT: Firemen and emergency responders: wear full turnout gear or Level A equipment, including positive-pressure, self-contained breathing apparatus (SCBA).

SECTION VI - ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES: Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Keep nonessential personnel away from the contaminated area. Spilled product may be very slippery!

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· **Information about storage in one common storage facility:**

Store away from foodstuffs.

Do not store together with acids.

· **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

Keep container tightly sealed.

REGULATORY REQUIREMENTS: No data found.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

Other Exposure Limits

ACGIH Exposure Limits

OSHA Exposure Limits

Chemical Name / CAS No.

Water

7732-18-5

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Not Established

Not Established

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VENTILATION: Use only with adequate ventilation, i.e., ventilation in compliance with occupational exposure limits. Use mechanical ventilation to reduce buildup of vapors in enclosed areas.

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Issued August 2015

BioActive 50

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Vapor Pressure:

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Odor threshold:

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Vapor Density:

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pH:

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Specific Gravity:

No Data

Melting point:

No Data

Freezing point:

No Data

Solubility:

100°C

Boiling range:

Not Applicable

Flash point:

No Data

Evaporation rate:

No Data

Flammability:

Not Applicable

Explosive Limits:

No Data

Partition coefficient (n-octanol/water):

No Data

Autoignition temperature:

No Data

Decomposition temperature:

No Data

Viscosity:

SECTION X - STABILITY AND REACTIVITY

Stability: Hazardous polymerization will not occur.

STABLE

Components of this mixture are incompatible with the following materials: Strong acids, bases, and oxidizers.

This mixture is likely to exhibit the following combustion products:

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Mixture Toxicity

Component Toxicity

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Description

% Weight

SECTION XII - ECOLOGICAL INFORMATION

Ecological Information: No data found

Component Ecotoxicity

SECTION XIII - DISPOSAL CONSIDERATIONS

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Hazard Class

Packing Group

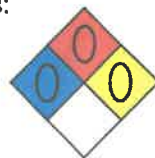
UN Number

Proper Shipping Name

Agency

US DOT

Non Regulated



SECTION XV - REGULATORY INFORMATION

Additional regulatory listings, where applicable.

All Components Listed

Regulation

Country

Canada

Canadian Domestic Substances List

Yes

US

Toxic Substances Control Act

Yes

EU Risk Phrases

Safety Phrase

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

- None

SECTION XVI - OTHER INFORMATION

Hazardous Material Information System (HMIS)

National Fire Protection Association (NFPA)

HMIS & NFPA Hazard Rating Legend

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0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

4 = SEVERE

Special 0

Instability 0

Flammability 0

Health 0

DISCLAIMER AND NON-WARRANTY: This Safety Data Sheet was prepared by Global Environmental Restoration and is correct to the best of our knowledge, information and belief at the date of its publication. The information came from raw material suppliers, regulatory databases, and/or third parties with expertise in this area. This information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. No warranties of any kind, either expressed or implied, including warranties of the accuracy of the information presented and the suitability of a product for a particular purpose

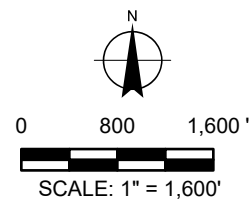
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Attachment I

Water and Monitoring Well Map Information



- | | | |
|------------------------------------|---|--|
| Approximate Site Boundary | Building | |
| 0.5 Mile Radius from Site Boundary | Awning | |
| Intermittent Stream (USGS) | Treatment Facility Boundaries/Wastewater Ponds: | |
| Water Well Location (TWDB/TCEQ) | Evaporation Lagoon | |
| Monitoring Well | Emergency Overflow Lagoon | |
| | Treatment Lagoon | |



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INTERTEC**
The Science You Build On.

1124 Galveston Ave, Suite 102
Fort Worth, TX 76104
817.402.3128
braunintertec.com

Project No:
01512.006_TLAP

Drawing No:
Attl_MWs

Drawn By: JPM
Date Drawn: 11/8/2023
Checked By: EE
Last Modified: 6/4/2024

Texas Land Application Permit - WQ0001300000

3261 Tierra Blanca Road

Hereford, Texas

**Water and
Monitoring Well
Map Information**

Attachment I

Attachment J

Groundwater Monitoring Well Information

Attachment J – Groundwater Monitoring Well Information
Nutri-Feeds, L.L.C.
Renewal with Changes Application
3261 Tierra Blanca Road
Hereford, Texas

Groundwater Depth

Groundwater elevations for each of the three wells were recorded during the annual monitoring event conducted in 2023. The minimum, maximum, and average depths to groundwater, as measured since December 2011, are presented in the table below:

Monitoring Well	Depth to Groundwater (feet below top of casing)		
	Minimum	Maximum	Average
MW-1 (North Well)	218.38	230.22	221.94
MW-2 (South Well)	212.02	221.39	214.60
MW-3 (West Well)	201.15	209.35	203.34

Review of the observed groundwater level measurements indicates that the depth to groundwater is slowly increasing (or water level is dropping), indicating a depleting water source. The average rate of depletion beneath the Site since the wells were installed in 2011 is approximately 0.54 to 0.96 feet per year.

Sample Schedule

Each of the three existing groundwater monitoring wells MW-1, MW-2, and MW-3 will be sampled once a year for the duration of the Permit, unless otherwise requested by the TCEQ's Water Quality Assessment Team. Prior to sampling the monitoring wells, a static water level will be recorded.

Monitoring Parameters

Following water level gauging, groundwater samples were collected from monitoring wells MW-1 through MW-3 using low-flow sampling techniques in accordance with TCEQ guidance. Indicator parameters measured in the field using calibrated equipment included:

- pH
- Conductivity
- Oxidation Reduction Potential (ORP)
- Dissolved oxygen (DO)
- Turbidity

Samples collected from each well will be analyzed for the following analytes:

- Chloride - United States Environmental Protection Agency (EPA) Method 300.0
- Nitrate as Nitrogen - EPA Method 300.0

Attachment J – Groundwater Monitoring Well Information
Nutri-Feeds, L.L.C.
Renewal with Changes Application
3261 Tierra Blanca Road
Hereford, Texas

- Ammonia as Nitrogen - Standard Method (SM) 4500-NH3 D
- Orthophosphate - SM-4500-P E
- Sulfate - EPA Method 300.0
- Total Organic Carbon (TOC) -SM-5310-C
- Chemical Oxygen Demand (COD) - EPA Method 410.4
- Total Dissolved Solids (TDS) - SM-2540-C

Requests for Modifications to Plan

Should a modification to the Plan be required or requested, the Applicant and Co-permittees will submit, in writing, any request to modify the Plan to the Water Quality Assessment Team (MC-150) for review and approval. The request will include sufficient data and justification supporting the modification, as appropriate.

The Applicant and Co-permittees understand that the Executive Director may modify the sampling and analysis plan to ensure protection of groundwater quality.

Attachment K

Groundwater Quality Technical Report

Groundwater Quality Technical Report

Nutri-Feeds, L.L.C.
3261 Tierra Blanca Road
Hereford, Texas

Prepared For

**NUTRI-FEEDS, L.L.C., COUNTY SERVICES,
INC., and GSM LAND HOLDINGS, LTD**

Prepared By

Braun Intertec Corporation

Project 01512.006
June 05, 2024

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3.0 Regional Groundwater Resources - 30 TAC §309.20(a)(4)(B)	2
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Appendices

Appendix A:	ERIS Texas Water Well Report
Appendix B:	Water Wells within 0.5-Mile Radius

1.0 Introduction

The objective of this groundwater quality technical report is to fully assess the impact(s) of the waste disposal operation on the uses of local groundwater resources located at for Nutri-Feeds, L.L.C. located 3261 Tierra Blanca Road in Hereford, Texas (Site). on the uses of local groundwater resources. This report was prepared to meet the Wastewater Discharge Permit (WWDP) groundwater technical report requirements in accordance with Title 30 Texas Administrative Code (TAC) §309.20(a)(4) (A) and (B). To perform this assessment the local geology was evaluated, a desktop water well survey was performed to identify water wells and their classification or usage within a 0.5-mile of the Site, and regional groundwater resources and quality information was reviewed. The results are presented in the following sections.

2.0 Water Well Database Review - 30 TAC §309.20(a)(4)(A)

The Texas Water Development Board (TWDB) Groundwater Viewer, Texas Commission on Environmental Quality (TCEQ) Water Well Report Viewer, and the United States Geological Survey (USGS) National Water Information System (NWIS) Mapper were reviewed to identify water wells within a 0.5-mile radius of the Site in conjunction with a Texas Water Well Report obtained from Environmental Risk Information Services (ERIS) in **Appendix A**, the Site is located above the Ogallala Aquifer, a major aquifer in the area. The minor aquifer located under the Site, beneath the Ogallala, is the downdip of the Dockum Aquifer.

Based on the ERIS water well database, there is on TCEQ 1 water well located on the property and thirteen waterwalls located within half a mile of the property boundaries. The water well located on the property is used for irrigation. **See Appendix B** for the water uses from each well, construction such as well logs, casing, yield, static elevation, and age located on and within a half-mile of the property. Groundwater level measurements, which have been taken from the current three on-Site monitoring wells since 2011, indicate that the groundwater gradient has been consistent to the northeast.

3.0 Regional Groundwater Resources - 30 TAC §309.20(a)(4)(B)

According to the TWDB (Aquifers of Texas, Report 380, July 2011), the Site is located above the Ogallala Aquifer, a major aquifer in the area. The minor aquifer located under the Site, beneath the Ogallala, is the downdip of the Dockum Aquifer.

Based upon annual groundwater level measurements from the three existing groundwater monitoring wells located at the Site, the groundwater gradient under the wastewater evaporation lagoons is to the northeast. This differs from the estimated predominant regional gradient (southeast). Groundwater level measurements from the on-Site monitoring wells indicate that the groundwater gradient has been consistent to the northeast.

As reported in the 1999 GQAP, "Groundwater underlying the Site is known to occur in the Pliocene [i.e., upper tertiary] Ogallala and Triassic Dockum Group (Santa Rosa) sands. To our knowledge, there is no information available that would indicate the presence of a "perched" aquifer in this area. Both the Ogallala and the Santa Rosa Aquifers are utilized in the area as drinking and irrigation supply formations. Extensive geologic and hydrogeologic information and literature is available on the Ogallala in the area. Information concerning the Santa Rosa is generally not as abundant as the Ogallala information. Regional characteristics such as hydraulic conductivity for various formations have been the subject of numerous investigations in the area."

Beneath the Ogallala Formation, the Santa Rosa Sandstone in the Dockum Group is the major water-bearing unit of the "Dockum Aquifer". Additional formations in the Dockum Group contributing to the Dockum Aquifer include the Tecovas Formation, Trujillo Sandstone, and Cooper Canyon Formation. According to a Texas Department of Water Resources report, the primary sources of groundwater recharge to this aquifer are rainfall on Dockum outcrops and infiltration of surface water from streams crossing Dockum outcrops. Seepage from the overlying Ogallala Formation may also contribute small amounts of recharge to the Dockum Aquifer, although hydraulic connectivity between these aquifers has not been confirmed. The Dockum Aquifer in Deaf Smith County is generally under artesian conditions. According to the Aquifers of Texas, Report 380, the water quality in the Dockum Aquifer is generally poor, and the water is very hard (high in mineral content).

According to Groundwater resources serving as sources or potential sources of domestic raw water supply will be protected by limiting wastewater application rates. Effluent storage and/or treatment ponds presenting seepage hazards to these groundwater resources shall be constructed with adequate liners. A map showing the locations of all private, irrigation, and public water wells within a 0.5-mile radius of the Site is presented on **Attachment I** of the application.

References

ERIS, Texas Water Well Report, November 15, 2023.

High Plains Underground Water Conservation District, Atlases (Interactive Map): www.hpwd.org/atlasses, Accessed August 5, 2015.

OA Systems Corporation, *Groundwater Quality Assessment Plan for Major Amendment of Permit No. 01300 Hereford Bi-Products, Inc.*, October 1999.

OA Systems Corporation, *Groundwater Quality Assessment Plan for Major Amendment of Permit No. 01300 Hereford Bi-Products, Inc.*, September 2000.

Texas Bureau of Economic Geology, *Geologic Atlas of Texas, Clovis Sheet*, 1977.

Texas Department of Water Resources, LP-196, *Ground-Water Conditions in the Triassic Aquifer in Deaf Smith and Swisher Counties*, December 1984.

Texas Water Development Board, *Analytical Study of the Ogallala Aquifer in Deaf Smith County, Texas, Report 213*, May 1977.

Texas Water Development Board, *Aquifers of Texas, Report 380*, July 2011.

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United States Department of the Interior, Geological Survey Water-Supply Paper 1693, *A Summary of the Occurrence and Development of Ground Water in the Southern High Plains of Texas*, J.G. Cronin, 1963.

Appendix A

ERIS Texas Water Well Report



TEXAS WATER WELL **REPORT**

Project Property:	<i>Nutri-Feeds, LLC 3261 Tierra Blanca Rd Hereford TX 79045</i>
Project No:	<i>01512.006</i>
Order No:	<i>23110700389</i>
Requested by:	<i>Braun Intertec Corporation</i>
Date Completed:	<i>November 15, 2023</i>

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as database review of environmental records.

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Executive Summary

Property Information:

Project Property: *Nutri-Feeds, LLC
3261 Tierra Blanca Rd Hereford TX 79045*

Project No: *01512.006*

Coordinates:

Latitude: *34.75586444*
Longitude: *-102.46331538*
UTM Northing: *3,848,901.20*
UTM Easting: *732,188.84*
UTM Zone: *13S*
Target Property Geometry: *POLYGON*

County/Parish Covered: *Castro (TX), Deaf Smith (TX)*

Zipcode(s) Covered: *Dimmitt TX: 79027
Hereford TX: 79045
Summerfield TX: 79085*

State(s) Covered: *TX*

Executive Summary: Report Summary

<i>Database</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.50mi</i>	<i>Total</i>
Federal				
FED USGS	Y	0	0	0
State				
TCEQ WELL LOGS	Y	1	13	14
SDRW WELLS	Y	2	1	3
GWDB	Y	0	4	4
WW FORT BEND	Y	0	0	0
WW HIGH PLAINS	Y	7	30	37
WW HARRIS GAL	Y	0	0	0
WUD	Y	0	0	0
<hr/>				
	Total:	10	48	58

* PO – Property Only

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Page Number
1	WW HIGH PLAINS		TX 79045 <i>Permit No: 1200</i>	SW	0.00 / 0.00	15
2	WW HIGH PLAINS		TX 79045 <i>Permit No: 1712</i>	N	0.00 / 0.00	16
2	TCEQ WELL LOGS	GRIFFIN & BRAND	TX <i>Grid No Owners Name: 10-13-7E GRIFFIN & BRAND</i>	N	0.00 / 0.00	17
3	WW HIGH PLAINS		TX 79045 <i>Permit No: 6605</i>	N	0.00 / 0.00	19
3	WW HIGH PLAINS		TX	N	0.00 / 0.00	20
3	SDRW WELLS	Tejas Industries	Sec 151, Blk M-7 Hereford TX 79045 <i>Track NO: 179445</i>	N	0.00 / 0.00	21
4	WW HIGH PLAINS		TX 79045 <i>Permit No: 6604</i>	NNE	0.00 / 0.00	22
4	WW HIGH PLAINS		TX	NNE	0.00 / 0.00	23
4	SDRW WELLS	Tejas Industries	Sec 151, Blk M-7 Hereford TX 79045 <i>Track NO: 179441</i>	NNE	0.00 / 0.00	24
5	WW HIGH PLAINS		TX 79045 <i>Permit No: 185</i>	NNE	0.00 / 0.00	25

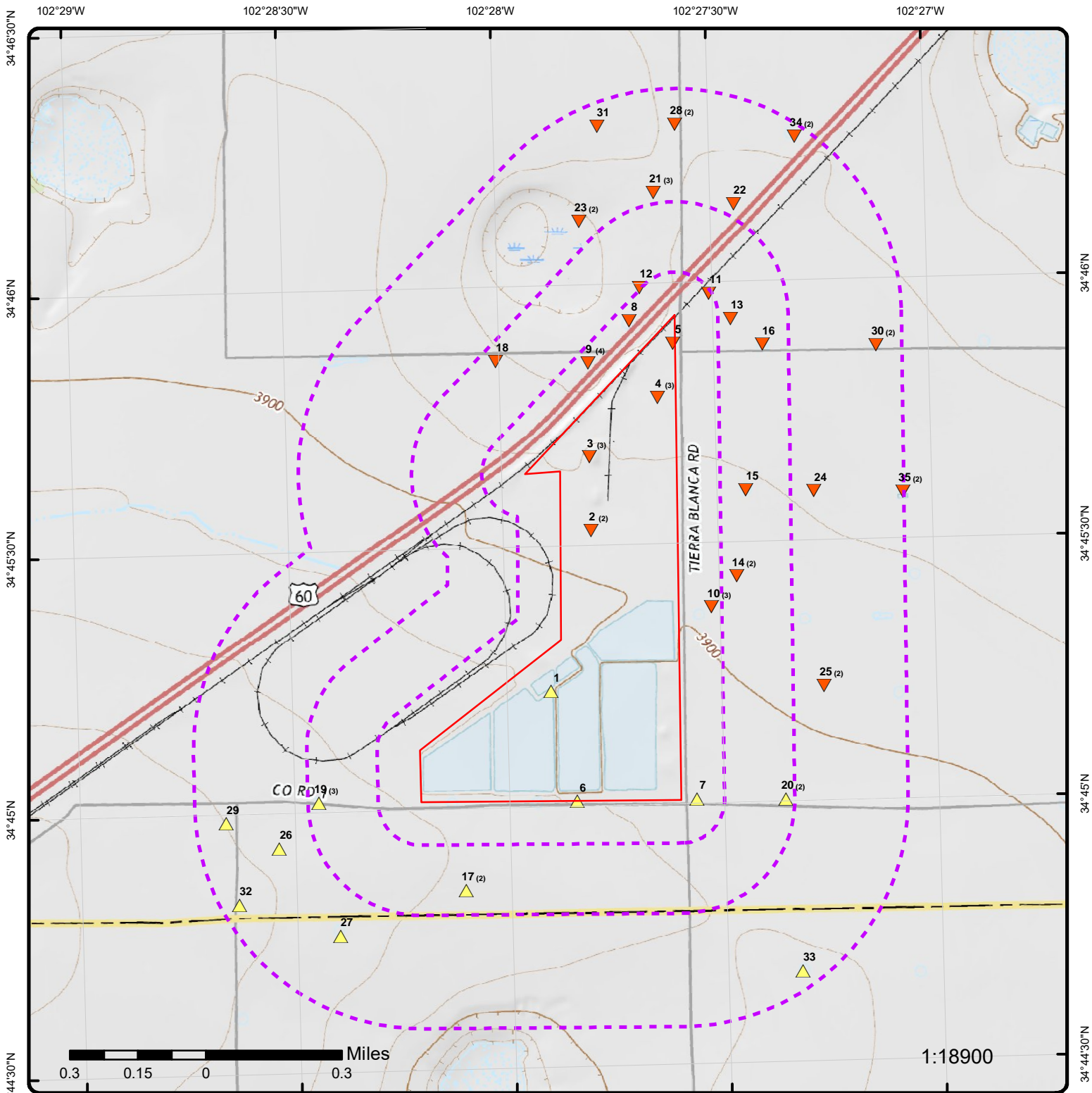
Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Page Number
6	WW HIGH PLAINS		TX	S	0.00 / 7.55	26
7	WW HIGH PLAINS		TX	SSE	0.03 / 184.70	27
8	WW HIGH PLAINS		TX	N	0.07 / 344.95	28
9	GWDB	Griffin & Brand	TX	N	0.07 / 355.90	29
		State Well No Owner Name: 1013706 Griffin & Brand				
9	WW HIGH PLAINS		TX	N	0.07 / 355.90	33
9	WW HIGH PLAINS		TX 79045	N	0.07 / 355.90	34
		Permit No: 3241				
9	TCEQ WELL LOGS	GRIFFIN & BRAND	TX	N	0.07 / 355.90	35
		Grid No Owners Name: 10-13-7J GRIFFIN & BRAND				
10	WW HIGH PLAINS		TX 79045	E	0.07 / 383.65	37
		Permit No: 1605				
10	WW HIGH PLAINS		TX	E	0.07 / 383.65	38
10	SDRW WELLS	R&R Trailer Washout LLC	Blk M-7 Sec 136 Hereford TX 79045	E	0.07 / 383.65	39
		Track NO: 647296				
11	WW HIGH PLAINS		TX	NNE	0.09 / 473.06	40
12	TCEQ WELL LOGS	CLAY HYDER	TX	N	0.10 / 517.88	41
		Grid No Owners Name: 10-13-7G CLAY HYDER				
13	TCEQ WELL LOGS	E. C. REINAUR & SONS	TX	NNE	0.12 / 649.50	43

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Page Number
Grid No Owners Name: 10-13-8R E. C. REINAUR & SONS						
14	WW HIGH PLAINS		TX	ENE	0.13 / 679.92	45
14	TCEQ WELL LOGS		TX	ENE	0.13 / 679.92	46
Grid No Owners Name: 10-13-8P J. H. DOBBS						
15	WW HIGH PLAINS		TX	NE	0.15 / 800.43	48
16	WW HIGH PLAINS		TX	NE	0.19 / 1,015.94	49
17	GWDB	Pitman Grain	TX	SSW	0.19 / 1,028.28	50
State Well No Owner Name: 1021101 Pitman Grain						
17	WW HIGH PLAINS		TX	SSW	0.19 / 1,028.28	54
18	WW HIGH PLAINS		TX	NNW	0.22 / 1,149.26	55
19	WW HIGH PLAINS		TX 79045	WSW	0.23 / 1,191.93	56
Permit No: 2474						
19	WW HIGH PLAINS		TX 79045	WSW	0.23 / 1,191.93	57
Permit No: 1033						
19	TCEQ WELL LOGS	JORDE POTATOE COMPANY	TX	WSW	0.23 / 1,191.93	58
Grid No Owners Name: 10-13-7C JORDE POTATOE COMPANY						
20	GWDB	Sam Venturella	TX	SE	0.23 / 1,216.49	60
State Well No Owner Name: 1013804 Sam Venturella						
20	WW HIGH PLAINS		TX	SE	0.23 / 1,216.49	68
21	WW HIGH PLAINS		TX	N	0.27 / 1,450.95	69

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Page Number
21	WW HIGH PLAINS		TX 79045 <i>Permit No: 1785</i>	N	0.27 / 1,450.95	70
21	TCEQ WELL LOGS	W.A. GEARN	TX <i>Grid No Owners Name: 10-13-7G W.A. GEARN</i>	N	0.27 / 1,450.95	71
22	WW HIGH PLAINS		TX 79045 <i>Permit No: 3615</i>	NNE	0.28 / 1,465.92	75
23	WW HIGH PLAINS		TX	N	0.30 / 1,563.34	76
23	TCEQ WELL LOGS	TED MCWHORTER	TX <i>Grid No Owners Name: 10-13-7L TED MCWHORTER</i>	N	0.30 / 1,563.34	77
24	TCEQ WELL LOGS	C. E. HAGENSTOZ	TX <i>Grid No Owners Name: 10-13-8U C. E. HAGENSTOZ</i>	ENE	0.30 / 1,593.31	79
25	WW HIGH PLAINS		TX	ESE	0.32 / 1,681.43	81
25	TCEQ WELL LOGS	ALBERT SCIUMBATO	TX <i>Grid No Owners Name: 10-13-8P ALBERT SCIUMBATO</i>	ESE	0.32 / 1,681.43	82
26	TCEQ WELL LOGS		TX <i>Grid No Owners Name: 10-21-1K JACK ANDREWS</i>	WSW	0.33 / 1,738.94	84
27	WW HIGH PLAINS		TX	SW	0.34 / 1,820.87	86
28	GWDB	Clayton W. Sanders	TX <i>State Well No Owner Name: 1013705 Clayton W. Sanders</i>	NNE	0.42 / 2,223.12	87
28	WW HIGH PLAINS		TX	NNE	0.42 / 2,223.12	92
29	WW HIGH PLAINS		TX 79045 <i>Permit No: 18</i>	WSW	0.43 / 2,285.81	93
30	WW HIGH PLAINS		TX	NE	0.44 / 2,337.69	94

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Page Number
30	TCEQ WELL LOGS		TX	NE	0.44 / 2,337.69	95
			Grid No Owners Name: 10-13-7G MRS. W. R. SHEIGHAGEN			
31	WW HIGH PLAINS		TX	N	0.45 / 2,382.72	97
32	WW HIGH PLAINS		TX 79045	WSW	0.46 / 2,435.80	98
			Permit No: 935			
33	WW HIGH PLAINS		TX	SE	0.46 / 2,442.31	99
34	WW HIGH PLAINS		TX	NNE	0.48 / 2,508.38	100
34	TCEQ WELL LOGS	CHARLIE HOLT	TX	NNE	0.48 / 2,508.38	101
			Grid No Owners Name: 10-13-8R CHARLIE HOLT			
35	WW HIGH PLAINS		TX	ENE	0.50 / 2,630.45	103
35	TCEQ WELL LOGS		TX	ENE	0.50 / 2,630.45	104
			Grid No Owners Name: 10-13-8X E. C. REINAUER & SONS, INC.			



Map: 0.5 Mile Radius

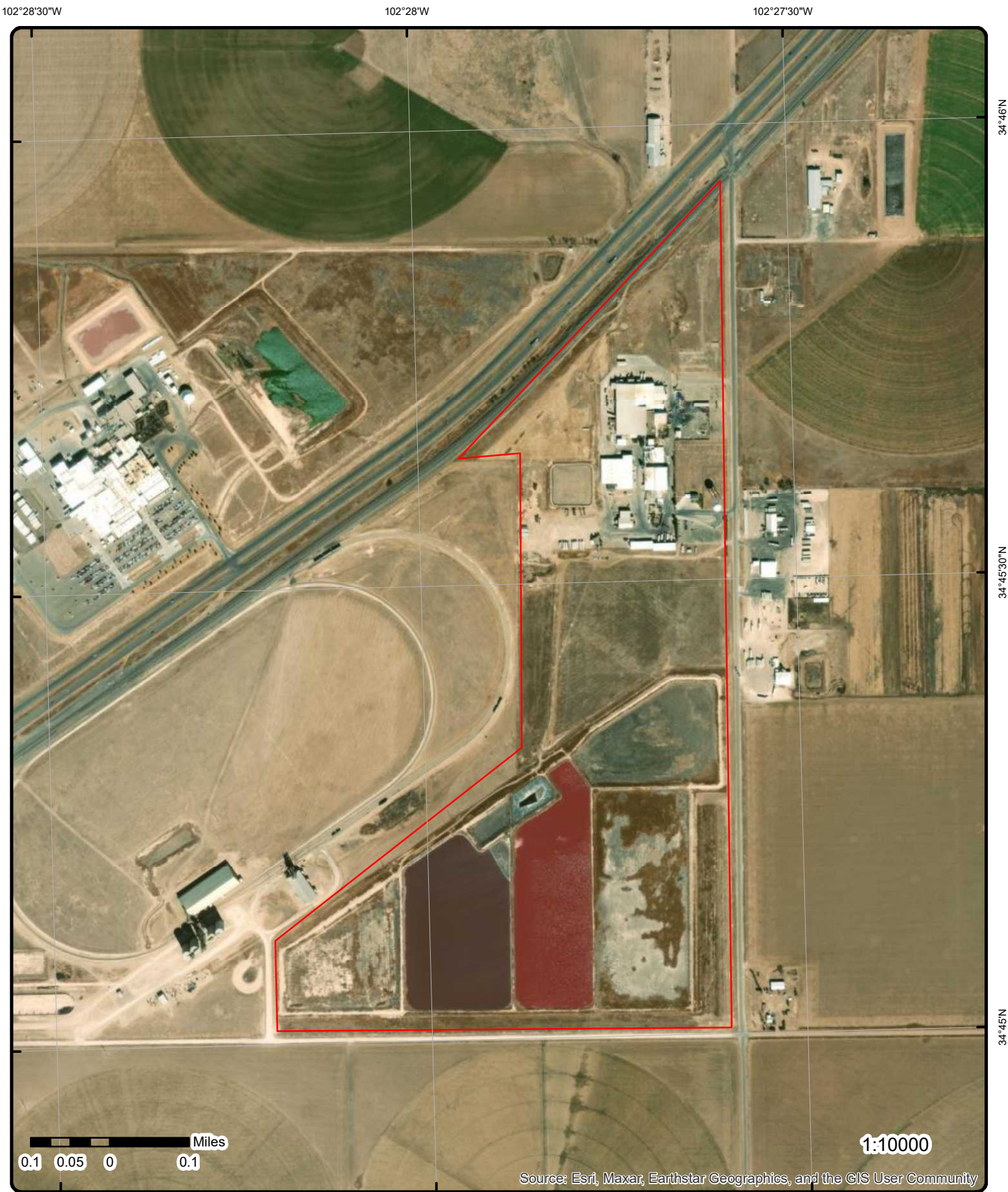
Order Number: 23110700389

Address: 3261 Tierra Blanca Rd, Hereford, TX



Plotted Water Wells

- | | |
|---|--|
| Project Property | Buffer Outline |
| ▲ Eris Sites with Higher Elevation | Eris Areas with Higher Elevation |
| ▲ Eris Sites with Same Elevation | Eris Areas with Same Elevation |
| ▼ Eris Sites with Lower Elevation | Eris Areas with Lower Elevation |
| ○ Eris Sites with Unknown Elevation | Eris Areas with Unknown Elevation |



Aerial Year: 2022

Address: 3261 Tierra Blanca Rd, Hereford, TX

Source: ESRI World Imagery

Order Number: 23110700389



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Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
1	1 of 1	SW	0.00 / 0.00	TX 79045	WW HIGH PLAINS
District No: 19197 State Well No: N/A Permit No: 1200 Permit Status: Destroyed Aquifer: Ogallala County ID: Well Log Url: Note:		County: Deaf Smith GPS Unit: DRG Map GPS Unit ID: Latitude: 34.752879 Longitude: -102.466358 https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=19197 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Site</i>	<i>DB</i>
2	1 of 2	N	0.00 / 0.00	TX 79045	WW HIGH PLAINS
<i>District No:</i>	19596			<i>County:</i>	Deaf Smith
<i>State Well No:</i>	N/A			<i>GPS Unit:</i>	DRG Map
<i>Permit No:</i>	1712			<i>GPS Unit ID:</i>	
<i>Permit Status:</i>	Destroyed			<i>Latitude:</i>	34.758811
<i>Aquifer:</i>	Ogallala			<i>Longitude:</i>	-102.463342
<i>County ID:</i>					
<i>Well Log Url:</i>	https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=19596				
<i>Note:</i>	High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Site</i>	<i>DB</i>
2	2 of 2	N	0.00 / 0.00	GRIFFIN & BRAND TX	TCEQ WELL LOGS

Grid No: 10-13-7E
Date Drilled: 01/13/1968
Owners Name: GRIFFIN & BRAND
County: DEAF SMITH
Water Usage: IRRIGATION
Static Level: 165
Depth Drilled: 273
Latitude: 34.759413
Longitude: -102.463411

18

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
3	1 of 3	N	0.00 / 0.00	TX 79045	WW HIGH PLAINS
<div> <div> District No: 23392 State Well No: N/A Permit No: 6605 Permit Status: Cancelled Aquifer: Ogallala County ID: Well Log Url: Note: </div> <div> County: Deaf Smith GPS Unit: High Accuracy GPS Unit ID: Latitude: 34.761167 Longitude: -102.463371 </div> <div> https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=23392 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/ </div> </div>					

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
3	2 of 3	N	0.00 / 0.00	TX	WW HIGH PLAINS
District No:	23446			County:	Deaf Smith
State Well No:				GPS Unit:	High Accuracy
Permit No:				GPS Unit ID:	3
Permit Status:				Latitude:	34.761162
Aquifer:				Longitude:	-102.463348
County ID:	6				
Well Log Url:					
Note:					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=23446 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
3	3 of 3	N	0.00 / 0.00	Tejas Industries Sec 151, Blk M-7 Hereford TX 79045	SDRW WELLS

Track NO: 179445
Date Submitted: 2009-05-26
Owner Name: Tejas Industries
Owner Address: Po Box 2257
Owner Address2:
Owner City: Hereford
Owner State: TX
Owner Zip: 79045
County: Deaf Smith
Type of Work: New Well
Typ of Wrk Oth Descr:
Proposed Use: Irrigation
Prop Use Oth Descr:
Latitude: 34.761112
Longitude: -102.463334
Drilling Date Started: 2009-05-16
Drilling Date Completed: 2009-05-18
Chemical Analysis: No
Company Name: LT Drilling Company
Company Address: PO Box 784
CompanyAddress2:
Company City: Sunray
Company State: TX
Company Zip: 79086
Company Country:
Data Source: Full SDR Database; SDRDB Well Location (Map)
Report Link: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=179445&Type=SDR-Well>

Well Borehole Information

Top Depth:
Bottom Depth: 37.0

Top Depth: 0
Bottom Depth: 37

Well Levels

Measurement: 222
Measurement Date: 2009-05-16

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
4	1 of 3	NNE	0.00 / 0.00	TX 79045	WW HIGH PLAINS
District No:	23391			County:	Deaf Smith
State Well No:	N/A			GPS Unit:	High Accuracy
Permit No:	6604			GPS Unit ID:	
Permit Status:	Cancelled			Latitude:	34.763003
Aquifer:	Ogallala			Longitude:	-102.460653
County ID:					
Well Log Url:	https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=23391				
Note:	High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/				

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
4	2 of 3	NNE	0.00 / 0.00	TX	WW HIGH PLAINS
District No:	23445			County:	Deaf Smith
State Well No:				GPS Unit:	High Accuracy
Permit No:				GPS Unit ID:	3
Permit Status:				Latitude:	34.763016
Aquifer:				Longitude:	-102.460636
County ID:	6				
Well Log Url:					
Note:					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=23445 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
4	3 of 3	NNE	0.00 / 0.00	Tejas Industries Sec 151, Blk M-7 Hereford TX 79045	SDRW WELLS

Track NO: 179441
Date Submitted: 2009-05-26
Owner Name: Tejas Industries
Owner Address: Po Box 2257
Owner Address2:
Owner City: Hereford
Owner State: TX
Owner Zip: 79045
County: Deaf Smith
Type of Work: New Well
Typ of Wrk Oth Descr:
Proposed Use: Irrigation
Prop Use Oth Descr:
Latitude: 34.763056
Longitude: -102.460556
Drilling Date Started: 2009-05-15
Drilling Date Completed: 2009-05-18
Chemical Analysis: No
Company Name: LT Drilling Company
Company Address: PO Box 784
CompanyAddress2:
Company City: Sunray
Company State: TX
Company Zip: 79086
Company Country:
Data Source: Full SDR Database; SDRDB Well Location (Map)
Report Link: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=179441&Type=SDR-Well>

Well Borehole Information

Top Depth:
Bottom Depth: 310.0

Top Depth: 0
Bottom Depth: 310

Well Levels

Measurement: 234
Measurement Date: 2009-05-16

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
5	1 of 1	NNE	0.00 / 0.00	TX 79045	WW HIGH PLAINS

District No: 18466
State Well No: N/A
Permit No: 185
Permit Status: Cancelled
Aquifer: Dockum
County ID:
Well Log Url:
Note:

County: Deaf Smith
GPS Unit: DRG Map
GPS Unit ID:
Latitude: 34.764722
Longitude: -102.46

<https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=18466>
High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: <https://map.hpwd.org/>

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
6	1 of 1	S	0.00 / 7.55	TX	WW HIGH PLAINS
District No:	24535			County:	Deaf Smith
State Well No:				GPS Unit:	
Permit No:				GPS Unit ID:	
Permit Status:				Latitude:	34.750109
Aquifer:				Longitude:	-102.464140
County ID:	6				
Well Log Url:					
Note:					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=24535 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
7	1 of 1	SSE	0.03 / 184.70	TX	WW HIGH PLAINS
District No:	24536			County:	Deaf Smith
State Well No:				GPS Unit:	
Permit No:				GPS Unit ID:	
Permit Status:				Latitude:	34.750210
Aquifer:				Longitude:	-102.459560
County ID:	6				
Well Log Url:					
Note:					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=24536 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
8	1 of 1	N	0.07 / 344.95	TX	WW HIGH PLAINS
District No:	20795			County:	Deaf Smith
State Well No:				GPS Unit:	High Accuracy
Permit No:				GPS Unit ID:	3
Permit Status:				Latitude:	34.765484
Aquifer:				Longitude:	-102.461666
County ID:	6				
Well Log Url:					
Note:					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=20795 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

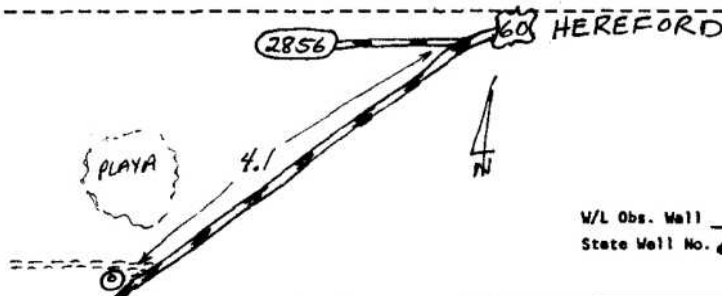
Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
9	1 of 4	N	0.07 / 355.90	Griffin & Brand TX	GWDB
Well Rep Track No:					
State Well No:		1013706			
Owner Name:		Griffin & Brand			
Drilling Start Dt:					
Drilling Month:		11			
Drilling Day:		10			
Drilling Year:		1971			
Well Depth:		277			
Well Usage:		Irrigation			
Water Level Status:					
Latitude:		34.7638890			
Longitude:		-102.4636120			
Data Source:		Groundwater Database (GWDB) Reports; GIS shapefile of GWDB well locations			
Well Info Report:		https://www3.twdb.texas.gov/apps/waterdatainteractive//GetReports.aspx?Num=1013706&Type=GWDB			
Document Link:		https://www3.twdb.texas.gov/apps/waterdatainteractive//GetScannedImage.aspx?Num=1013706&Cnty=Deaf Smith			

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

Aquifer(s) OGALLALA Project No. HEARF 4602 State Well No. 10-13-706
Field No./Owner's Well No. 4602 County Darf Smith
1. Location: NE 1/4 NE 1/4 Section 181, Block 11-7, Survey Lat. 34-45-50 Long. 102-22-47
2. Owner: GRIFFIN & BRAND Address: Box 833, Hereford, TX
Tenant (other): _____ Address: _____
Driller: WATER INDUSTRIES INC Address: Box 871, Hereford, TX
3. Land Surface Elevation: 3876 ft. above mal determined by TOPO MAP
4. Drilled: 11-10 1971; Dug, Cable Tool, Rotary, Air, _____
5. Depth: Rept. 277 ft. Meas. _____ ft.
6. Borehole Completion: Open Hole, Straight Well, Underreamed, Gravel Packed
7. Pump: Mfr. _____ Type _____
No. Stages _____, Borehole Diam. _____ in., Setting _____ ft.
Column Diam. _____ in., Length Tailpipe _____ ft.
8. Motor: Mfr. _____ Fuel _____ HP.
9. Yield: Flow _____ gpm, Pump _____ gpm, Meas., Rept., Est. _____ Date _____
10. Performance Test: Date _____ Length of Test _____ Made by _____
Static Level _____ ft. Pumping Level _____ ft. Drawdown _____ ft.
Production _____ gpm Specific Capacity _____ gpm/ft.
11. Quality: (Remarks on taste, odor, color, etc.) _____
Analyses
Date _____ Laboratory _____ TDS _____ Sp Cond _____
Date _____ Laboratory _____ TDS _____ Sp Cond _____
12. Other data available (as circled): Pumping Test, Power & Yield Test, Drillers Log,
Formation Samples, Geophysical Log(s) _____
13. Water Level(s): _____ ft. rept. _____ 19 _____ above _____ which is _____ ft. above
_____ ft. rept. _____ 19 _____ below _____ which is _____ ft. below Land Surface
_____ ft. rept. _____ 19 _____ below _____ which is _____ ft. below Land Surface
14. Use: Dom., Stock, Public Supply, Ind., Irr., Observation, Other (Tase Hole, Oil Test, etc.) _____
15. Recorded by DAN SAGE Source of data Field HWD Files Date: 8-6-86
16. Remarks: D-6-1

CASING, BLANK PIPE & WELL SCREEN			
Cemented From		ft. to	
Diam. (in.)	Type	Setting (feet)	
		From	to
16	steel	surface	277
Casing perforated with			
1/2"	slots	120	200
3/4"	slots	200	277

17. Location or Sketch:



TWDB-0308 (Rev. 12-11-85)

W/L Obs. Well _____ W/Q Obs. Well ☒
State Well No. 10-13-706

FORM NO. 359R-LW

Duplicate--File 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. _____
Date _____
Received _____
Permit Size _____ Maximum _____
of Pump _____ in Yield _____ GPM

1. Land Owner _____ Address _____
2. Well located _____ miles N, _____ miles S, _____ miles E, _____ miles W of town of _____
3. County _____ Labor _____ League _____ Abstract No. _____
4. NW¼ NE¼ SW¼ SE¼ Section _____ Block _____ 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
	3	1 in Sand	245	270	Sand-Sandrock-clay layers
	30	Galiche	270	277	Redbed
30	60	Galiche			
60	80	Sand - Sandrock - Clay			
80	82	rock			
82	100	Sand - Sandrock - Clay			
100	150	Sand - Sandrock - Clay			
150	180	Sand-Sandrock-clay layers			
180	210	Sand-Sandrock-clay layers			
210	230	Sand			

RECEIVED DEC 23 1971

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 _____ Address _____ Date Drilled _____ 19 ____

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 _____ in. Column, shaft length _____ ft. Suction pipe size _____ in. Suction pipe length _____ ft.
9. Pump bowls: Size _____ Number of stages _____ Pump discharge pipe: Size _____ in.
10. Depth to water level _____ ft. Pump yield _____ CPM. Pumping level: _____ ft.
11. Power Unit: Electrical, Natural Gas, Butane, Other _____ Horsepower _____

Signature _____
LANDOWNER OR AGENT TITLE ADDRESS

10-13-706

Typewrite (Black ribbon) or Print Plainly
(soft pencil or black ink)
Do not use ball point pen

Texas Department of Health Laboratories
1100 West 49th Street
Austin, Texas 78756

TWDB ONLY			
Organization No. _____	Lab No. <table border="1"><tr><td> </td><td> </td></tr></table>		
Work No. _____			

CHEMICAL WATER ANALYSIS REPORT

Send Reply To:

Water Availability Data and Studies Section
Texas Water Development Board
Stephen F. Austin Building
1700 Congress Ave.
Austin, Texas 78711

County 059 Deaf Smith
State Well No. 10-13-706
D-6-1 Well No. 4602
Date Collected 07-09-86

Attn: _____ Rm. _____

Owner GRIFFIN & BRAND SALES

Send copy to owner Sample No. 1 By DAN SEALE

Address BOX 833 HEREFORD TX

Well Location NE 1/4 Sec 18, T. 10-N, R. 7-E

Date Drilled _____ Depth _____ ft. WBF DEACALCA

Source (type of well) DRILL

Producing intervals _____ Water level _____ ft. Sample depth _____ ft.

Sampled after pumping CONT hrs. Yield _____ GPM 1000 Temperature _____ °F _____ °C

Point of collection TAP ON DISCHARGE PIPE Appearance ☒ clear ☐ turbid ☐ colored ☐ other

Use IRR Remarks _____

(FOR LABORATORY USE ONLY)

CHEMICAL ANALYSIS

AUG 28 '86

Lgt Laboratory 

Date Received JUL 31 '86

Date Reported _____

State Well No: 10-13-7

WATER ANALYSIS

Date: 082186

Sample No: EB6-1831

Silica: 00955: 45	ME/L	Carbonate: 00445: 0	MG/L	ME/L
Calcium: 00910: 48	2.44	Bicarbonate: 00440: 293		
Magnesium: 00920: 46	3.82	Sulfate: 00945: 66		4.80
Sodium: 00929: 58	2.52	Chloride: 00940: 87		1.38
Potassium: 00937: 5.0	.13	Fluoride: 00951: 2.0		2.45
T. Cations	8.91	Nitrate as NO3: 71850: 23.97		.11
Manganese: 01055:	XNa	T. Anions		.39
	SAR	pH: 00403: 8.2		9.12
Boron: 01022:		180 deg TDS: 70300: 488		
Total Iron: 01045:	RSC	P. Alk.: 00415: 0		
Other	738	T. Alk.: 00410: 240		
(Specific Cond.: 00095:		T. Hardness: 00900: 313		
Diluted Conductance (micromhos/cm3)				
6 x158 = 948				
--- items will be analyzed if checked.				
		Ammonia-N: 00610:		
		Nitrite-N: 00615:		
		Nitrate-N: 00620:		
		Organic Nitrogen: 00605:		

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
9	2 of 4	N	0.07 / 355.90	TX	WW HIGH PLAINS
District No:	21113			County:	Deaf Smith
State Well No:				GPS Unit:	High Accuracy
Permit No:				GPS Unit ID:	3
Permit Status:				Latitude:	34.763816
Aquifer:				Longitude:	-102.463869
County ID:	6				
Well Log Url:					
Note:					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=21113 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Site</i>	<i>DB</i>
9	3 of 4	N	0.07 / 355.90	TX 79045	WW HIGH PLAINS
<i>District No:</i>	20844			<i>County:</i>	Deaf Smith
<i>State Well No:</i>	N/A			<i>GPS Unit:</i>	DRG Map
<i>Permit No:</i>	3241			<i>GPS Unit ID:</i>	
<i>Permit Status:</i>	Destroyed			<i>Latitude:</i>	34.76341
<i>Aquifer:</i>	Ogallala			<i>Longitude:</i>	-102.46427
<i>County ID:</i>					
<i>Well Log Url:</i>	https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=20844				
<i>Note:</i>	High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Site</i>	<i>DB</i>
9	4 of 4	N	0.07 / 355.90	GRIFFIN & BRAND TX	TCEQ WELL LOGS

Grid No: 10-13-7J
Date Drilled: 11/11/1971
Owners Name: GRIFFIN & BRAND
County: DEAF SMITH
Water Usage: INDUSTRIAL
Static Level: 182
Depth Drilled: 277
Latitude: 34.760015
Longitude: -102.460971

Send original copy by certified mail to the Texas Water Development Board P. O. Box 12386 Austin, Texas 78711		State of Texas WATER WELL REPORT		GW 7 For TWDB use only Well No. <u>10-13-7J</u> Located on map <u>yes</u> Received: <u>7/1</u> Form GW 8 Form GW 9																																								
1) OWNER: Person having well drilled <u>Griffin & Brand</u> Address <u>Box 833, Hereford, Tex.</u> Landowner <u>Same</u> Address _____ <small>(Name) (Street or RFD) (City) (State)</small>																																												
2) LOCATION OF WELL: County <u>Deaf Smith</u> Labor _____ League _____ Abstract No. _____ XXX NE 1/4 of Section <u>151</u> Block No. <u>M-7</u> Survey _____ <small>(Circle as many as are known)</small> miles in <u>3 SW</u> direction from <u>Hereford, Tex.</u> <small>(NE, SW, etc.) (Town)</small>																																												
Sketch map of well location with distances from adjacent section or survey lines, and to landmarks, roads, and creeks.																																												
3) TYPE OF WORK (Check): New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging <input type="checkbox"/>		4) PROPOSED USE (Check): Domestic <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Municipal <input type="checkbox"/> Irrigation <input type="checkbox"/> Test Well <input type="checkbox"/> Other <input type="checkbox"/>		5) TYPE OF WELL (Check): Rotary <input checked="" type="checkbox"/> Driven <input type="checkbox"/> Dug <input type="checkbox"/> Cable <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input type="checkbox"/>																																								
6) WELL LOG: Diameter of hole <u>19</u> in. Depth drilled <u>277</u> ft. Depth of completed well <u>277</u> ft. Date drilled <u>11/11/71</u> All measurements made from _____ ft. above ground level.																																												
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>From (ft.)</th> <th>To (ft.)</th> <th>Description and color of formation material</th> </tr> </thead> <tbody> <tr><td>0</td><td>3</td><td>Top Soil</td></tr> <tr><td>3</td><td>30</td><td>Caliche</td></tr> <tr><td>30</td><td>60</td><td>Caliche</td></tr> <tr><td>60</td><td>80</td><td>Sand, Sandrock & Clay</td></tr> <tr><td>80</td><td>82</td><td>Rock</td></tr> <tr><td>82</td><td>150</td><td>Sand, Sandrock & Clay</td></tr> <tr><td>150</td><td>180</td><td>Sand, Sandrock & Clay Layers</td></tr> <tr><td>180</td><td>210</td><td>Sand, Some Clay Layers</td></tr> </tbody> </table>			From (ft.)	To (ft.)	Description and color of formation material	0	3	Top Soil	3	30	Caliche	30	60	Caliche	60	80	Sand, Sandrock & Clay	80	82	Rock	82	150	Sand, Sandrock & Clay	150	180	Sand, Sandrock & Clay Layers	180	210	Sand, Some Clay Layers	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>From (ft.)</th> <th>To (ft.)</th> <th>Description and color of formation material</th> </tr> </thead> <tbody> <tr><td>210</td><td>240</td><td>Sand</td></tr> <tr><td>240</td><td>270</td><td>Sand, Sandrock, & Clay Layers</td></tr> <tr><td>270</td><td>277</td><td>Red Bed</td></tr> </tbody> </table>			From (ft.)	To (ft.)	Description and color of formation material	210	240	Sand	240	270	Sand, Sandrock, & Clay Layers	270	277	Red Bed
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7) COMPLETION (Check): Straight wall <input checked="" type="checkbox"/> Gravel packed <input type="checkbox"/> Other <input type="checkbox"/> Under reamed <input type="checkbox"/> Open hole <input type="checkbox"/>			8) WATER LEVEL: Static level <u>182</u> ft. below land surface Date <u>11/11/71</u> Artesian pressure _____ lbs. per square inch Date _____																																									
9) CASING: Type: old <input checked="" type="checkbox"/> New <input type="checkbox"/> Steel <input type="checkbox"/> Plastic <input type="checkbox"/> Other <input type="checkbox"/> Cemented from _____ ft. to _____ ft.			10) SCREEN: Type _____ Perforated <input type="checkbox"/> Slotted <input type="checkbox"/>																																									
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11) WELL TESTS: Was a pump test made? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes by whom? Yield: _____ gpm with _____ ft. drawdown after _____ hrs Bailer test _____ gpm with _____ ft. drawdown after _____ hrs Artesian flow _____ gpm Date _____ Temperature of water _____ Was a chemical analysis made? <input type="checkbox"/> Yes <input type="checkbox"/> No Did any strata contain undesirable water? <input type="checkbox"/> Yes <input type="checkbox"/> No Type of water? _____ depth of strata _____			12) PUMP DATA: Manufacturer's Name <u>Fairbanks-Morse</u> Type <u>MCT6 10"</u> H.P. _____ Designed pumping rate _____ gpm <input type="checkbox"/> gph <input type="checkbox"/> Type power unit _____ Depth to bowls, cylinder, jet, etc., _____ ft. below land surface.																																									
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. NAME <u>WATER INDUSTRIES, INC.</u> Water Well Drillers Registration No. <u>347</u> <small>(Type or Print)</small> Address <u>212 E. New York</u> <u>Hereford, Texas</u> <small>(Street or RFD) (City) (State)</small> (Signed) <u>Billy Wall</u> <u>WATER INDUSTRIES, INC.</u> <small>(Water Well Driller) (Company Name)</small>																																												
Please attach electric log, chemical analysis, and other pertinent information, if available.																																												

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
10	1 of 3	E	0.07 / 383.65	TX 79045	WW HIGH PLAINS
District No:	19521			County:	Deaf Smith
State Well No:	N/A			GPS Unit:	DRG Map
Permit No:	1605			GPS Unit ID:	
Permit Status:	Destroyed			Latitude:	34.756173
Aquifer:	Ogallala			Longitude:	-102.45927
County ID:					
Well Log Url:	https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=19521				
Note:	High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Site</i>	<i>DB</i>
10	2 of 3	E	0.07 / 383.65	TX	WW HIGH PLAINS
<i>District No:</i>	20801			<i>County:</i>	Deaf Smith
<i>State Well No:</i>				<i>GPS Unit:</i>	
<i>Permit No:</i>				<i>GPS Unit ID:</i>	
<i>Permit Status:</i>				<i>Latitude:</i>	34.755896
<i>Aquifer:</i>				<i>Longitude:</i>	-102.455100
<i>County ID:</i>	6				
<i>Well Log Url:</i>					
<i>Note:</i>					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=20801 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
10	3 of 3	E	0.07 / 383.65	R&R Trailer Washout LLC Blk M-7 Sec 136 Hereford TX 79045	SDRW WELLS

Track NO: 647296
Date Submitted: 2023-08-30
Owner Name: R&R Trailer Washout LLC
Owner Address: 3250 Tierra Blanca Road
Owner Address2:
Owner City: Hereford
Owner State: TX
Owner Zip: 79045
County: Deaf Smith
Type of Work: New Well
Typ of Wrk Oth Descr:
Proposed Use: Irrigation
Prop Use Oth Descr:
Latitude: 34.758378
Longitude: -102.456362
Drilling Date Started: 2023-07-18
Drilling Date Completed: 2023-07-20
Chemical Analysis: No
Company Name: DRILL PRO WATER WELL DRILLING
Company Address: PO BOX 1281
CompanyAddress2:
Company City: SEMINOLE
Company State: TX
Company Zip: 79360
Company Country:
Data Source: Full SDR Database; SDRDB Well Location (Map)
Report Link: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=647296&Type=SDR-Well>

Well Borehole Information

Top Depth: 0
Bottom Depth: 334

Top Depth:
Bottom Depth: 334.0

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
11	1 of 1	NNE	0.09 / 473.06	TX	WW HIGH PLAINS
District No:	21685			County:	Deaf Smith
State Well No:				GPS Unit:	
Permit No:				GPS Unit ID:	
Permit Status:				Latitude:	34.765997
Aquifer:				Longitude:	-102.459101
County ID:	6				
Well Log Url:					
Note:					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=21685 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Site</i>	<i>DB</i>
12	1 of 1	N	0.10 / 517.88	CLAY HYDER TX	TCEQ WELL LOGS

Grid No: 10-13-7G
Date Drilled: 06/03/1974
Owners Name: CLAY HYDER
County: DEAF SMITH
Water Usage: INDUSTRIAL
Static Level: NOT REPORTED
Depth Drilled: 350
Latitude: 34.766537
Longitude: -102.461232

*Additional instructions on reverse side.

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Site</i>	<i>DB</i>
13	1 of 1	NNE	0.12 / 649.50	E. C. REINAUR & SONS TX	TCEQ WELL LOGS

Grid No: 10-13-8R
Date Drilled: 05/11/1970
Owners Name: E. C. REINAUR & SONS
County: DEAF SMITH
Water Usage: INDUSTRIAL
Static Level: 350
Depth Drilled: 350
Latitude: 34.765468
Longitude: -102.457738

*Additional instructions on reverse side.

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
14	1 of 2	ENE	0.13 / 679.92	TX	WW HIGH PLAINS
District No:	21652			County:	Deaf Smith
State Well No:				GPS Unit:	
Permit No:				GPS Unit ID:	
Permit Status:				Latitude:	34.757261
Aquifer:				Longitude:	-102.458069
County ID:	6				
Well Log Url:					
Note:					<p>https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=21652</p> <p>High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/</p>

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
14	2 of 2	ENE	0.13 / 679.92	TX	TCEQ WELL LOGS

Grid No: 10-13-8P
 Date Drilled: 01/29/1970
 Owners Name: J. H. DOBBS
 County: DEAF SMITH
 Water Usage: IRRIGATION
 Static Level: NOT REPORTED
 Depth Drilled: 316
 Latitude: 34.757232439999406
 Longitude: -102.45775091999828

Send original copy by certified mail to the Texas Water Development Board P. O. Box 12386 Austin, Texas 78711

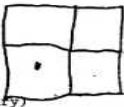
State of Texas

For TWDB use only
Well No. 16-13-8P
Located on map Yes
Received: 90
dr

WATER WELL REPORT

1) OWNER:
Person having well drilled J. H. Dobbs Address Country Club Hereford Tex
(Name) (Street or RFD) (City) (State)
Landowner same Address _____
(Name) (Street or RFD) (City) (State)

2) LOCATION OF WELL:
County Deaf Smith miles in 4 Miles SW direction from Hereford
(N.E., S.W., etc.) (Town)

Locate by sketch map showing landmarks, roads, creeks, hiway number, etc.*
880 yds from S. line
170 yds from W. line

(Use reverse side if necessary)

OR
Give legal location with distances and directions from adjacent sections or survey lines.
Labor _____ League _____
Block M-7 Survey _____
Abstract No. _____
(NW¼ NE¼ SW¼ SE¼) of Section 136

3) TYPE OF WORK (Check):
New Well _____ Deepening _____
☒ Reconditioning _____ Plugging _____

4) PROPOSED USE (Check):
Domestic _____ Industrial _____ Municipal _____
Irrigation ☒ Test Well _____ Other _____

5) TYPE OF WELL (Check):
Rotary ☒ Driven _____ Dug _____
Cable _____ Jetted _____ Bored _____

6) WELL LOG:
Diameter of hole 18 in. Depth drilled 316 ft. Depth of completed well _____ ft. Date drilled 1-29-80
All measurements made from _____ ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material
0	75	Surface & Clay & Caliche
75	181	Sand & Caliche Shells
181	185	Sand Rock
185	314	Course Sand
314	316	Red Bed

9) CASING:
Type: Old _____ New _____ Steel _____ Plastic _____ Other _____
Cemented from _____ ft. to _____ ft.
Diameter (inches) _____ Setting From (ft.) _____ To (ft.) _____ Gage _____

10) SCREEN:
Type _____
Perforated ☒ Slotted _____
Diameter (inches) _____ Setting From (ft.) _____ To (ft.) _____ Slot Size _____
16 186 316 1/8 3/16

7) COMPLETION (Check):
Straight wall _____ Gravel packed _____ Other _____
Under reamed _____ Open Hole _____

8) WATER LEVEL:
Static level _____ ft. below land surface Date _____
Artesian pressure _____ lbs. per square inch Date _____
Depth to pump bowls, cylinder, jet, etc., _____ ft. below land surface.

11) WELL TESTS:
Developed by Wingard Pump
Was a pump test made? Yes _____ No _____ If yes, by whom? _____
Yield Co. Hereford Tex gpm with _____ ft. drawdown after _____ hrs.
Bailer test _____ gpm with _____ ft. drawdown after _____ hrs.
Artesian flow _____ gpm
Temperature of water _____

12) WATER QUALITY:
Was a chemical analysis made? Yes _____ No _____
Did any strata contain undesirable water? Yes _____ No _____
Type of water? _____ depth of strata _____

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.

NAME N. E. Wolfe NE WOLFE Water Well Drillers Registration No. 560
(Type or Print)
ADDRESS Box 1635 HEREFORD TEXAS 79045
(Street or RFD) (City) (State)
(Signed) N. E. Wolfe Wolfe Drilling Co
(Water Well Driller) (Company Name)

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

*Additional instructions on reverse side.

TWDBE-GW-53

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
15	1 of 1	NE	0.15 / 800.43	TX	WW HIGH PLAINS
District No:	18867			County:	Deaf Smith
State Well No:				GPS Unit:	Garmin
Permit No:				GPS Unit ID:	1
Permit Status:				Latitude:	34.759991
Aquifer:				Longitude:	-102.457304
County ID:	6				
Well Log Url:					
Note:					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=18867 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
16	1 of 1	NE	0.19 / 1,015.94	TX	WW HIGH PLAINS
District No:	24522			County:	Deaf Smith
State Well No:				GPS Unit:	
Permit No:				GPS Unit ID:	
Permit Status:				Latitude:	34.764617
Aquifer:				Longitude:	-102.456530
County ID:	6				
Well Log Url:					
Note:					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=24522 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
17	1 of 2	SSW	0.19 / 1,028.28	Pitman Grain TX	GWDB
Well Rep Track No: State Well No: 1021101 Owner Name: Pitman Grain Drilling Start Dt: Drilling Month: Drilling Day: Drilling Year: Well Depth: Well Usage: Irrigation Water Level Status: Latitude: 34.7475000 Longitude: -102.4683330 Data Source: Groundwater Database (GWDB) Reports; GIS shapefile of GWDB well locations Well Info Report: https://www3.twdb.texas.gov/apps/waterdatainteractive//GetReports.aspx?Num=1021101&Type=GWDB Document Link: https://www3.twdb.texas.gov/apps/waterdatainteractive//GetScannedImage.aspx?Num=1021101&Cnty=Deaf Smith					

TEXAS WATER DEVELOPMENT BOARD

WELL SCHEDULE

Aquifer Ogallala Field No. _____ State Well No. 10-21-101
 Owner's Well No. _____ County Deaf Smith
S-66-1-11

1. Location: NW 1/4, NE 1/4 Sec. 15D, Block M-7 Survey _____

2. Owner: PITMAN GRAIN Address: _____
 Tenant: _____ Address: _____
 Driller: _____ Address: _____

3. Elevation of _____ is _____ ft. above sea level, determined by _____

4. Drilled: _____ 19 _____; Dug, Cable Tool, Rotary, _____

5. Depth: Rept. _____ ft. Meas. _____ ft.

6. Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed _____

7. Pump: Mfr. _____ Type _____
 No. Stages _____, Bowl Diam. _____ in., Setting _____ ft.
 Column Diam. _____ in., Length Tailpipe _____ ft.

8. Motor: Fuel _____ Make & Model _____ HP _____

9. Yield: Flow _____ gpm, Pump _____ gpm, Meas., Rept., Est. _____

10. Performance Test: Date _____ Length of Test _____ Made by _____
 Static Level _____ ft. Pumping Level _____ ft. Drawdown _____ ft.
 Production _____ gpm Specific Capacity _____ gpm/ft.

11. Water Level: _____ ft. rept. _____ 19 _____ above _____ which is _____ ft. above surface.
 _____ ft. rept. _____ 19 _____ below _____ which is _____ ft. above surface.
 _____ ft. rept. _____ 19 _____ above _____ which is _____ ft. above surface.
 _____ ft. rept. _____ 19 _____ below _____ which is _____ ft. above surface.
 _____ ft. rept. _____ 19 _____ above _____ which is _____ ft. above surface.
 _____ ft. rept. _____ 19 _____ below _____ which is _____ ft. above surface.

12. Use: Dom., Stock, Public Supply, Ind. ☒ Irr., Waterflooding, Observation, Not Used, _____

13. Quality: (Remarks on taste, odor, color, etc.) _____
 Temp. _____ °F, Date sampled for analysis _____ Laboratory _____
 Temp. _____ °F, Date sampled for analysis _____ Laboratory _____
 Temp. _____ °F, Date sampled for analysis _____ Laboratory _____

14. Other data available as circled: Driller's Log, Radioactivity Log, Electric Log, _____
 Formation Samples, Pumping Test, _____

15. Record by: D. Goolsby Date 8-15 19 78
 Source of Data Field & POWCD #1 Records

16. Remarks: _____

Cemented From _____ ft. to _____ ft.	
Diam. (in.)	Type

Screen Openings		Setting, ft.	
Diam. (in.)	Type	from	to

RECEIVED

NOV 6 1978

Central Records
Texas Dept. of Water Resources

Typewrite (Black ribbon) or Print Plainly
(soft pencil or black ink)
Do not use ball point pen

Texas Department of Health Laboratories
1100 West 49th Street
Austin, Texas 78756

TDWR ONLY			
Program No. _____	Lab No. <table border="1"><tr><td> </td><td> </td></tr></table>		
Work No. _____			

CHEMICAL WATER ANALYSIS REPORT

Send report to:
Ground Water Division
Texas Department of Water Resources
P.O. Box 13087
Austin, Texas 78711

County 059 Deaf Smith
State Well No. 10-21-101
S-EL-1-H7 Well No. _____
Date Collected 08-15-78
Sample No. By HPOLCO & Godsbey

Location NW 1/4, Sec. 130, R14E, T7N
Source (type of well) _____ Owner Pitman Grain
Date Drilled _____ Depth _____ ft. WBF DSH11A
Producing intervals _____ Water level _____ ft. Sample depth

--	--	--

 ft.
Sampled after pumping CONT hrs. Yield _____ GPM 1000 est. Temperature

--	--	--

 °F

--	--	--

 °C
Point of collection Faucet on discharge line Appearance ☐ clear ☐ turbid ☐ colored ☐ other
Use irrigation Remarks _____

(FOR LABORATORY USE ONLY)

CHEMICAL ANALYSIS

124. Laboratory No. 348719 Date Received AUG 23 1978 Date Reported SEP 20 78

	MG/L	ME/L		MG/L	ME/L																							
Silica	<table border="1"><tr><td> </td><td> </td><td> </td><td>4</td><td>6</td></tr></table>				4	6		Carbonate	<table border="1"><tr><td> </td><td> </td><td> </td><td>0</td></tr></table>				0															
			4	6																								
			0																									
Calcium	<table border="1"><tr><td> </td><td> </td><td> </td><td>7</td><td>3</td></tr></table>				7	3	<table border="1"><tr><td> </td><td> </td><td> </td><td>3</td><td>6</td><td>7</td></tr></table>				3	6	7	Bicarbonate <u>106</u>	<table border="1"><tr><td> </td><td> </td><td> </td><td>2</td><td>1</td><td>6</td></tr></table>				2	1	6	<table border="1"><tr><td> </td><td> </td><td> </td><td>3</td><td>5</td><td>4</td></tr></table>				3	5	4
			7	3																								
			3	6	7																							
			2	1	6																							
			3	5	4																							
Magnesium	<table border="1"><tr><td> </td><td> </td><td> </td><td>5</td><td>9</td></tr></table>				5	9	<table border="1"><tr><td> </td><td> </td><td> </td><td>4</td><td>8</td><td>7</td></tr></table>				4	8	7	Sulfate	<table border="1"><tr><td> </td><td> </td><td> </td><td>1</td><td>0</td><td>1</td></tr></table>				1	0	1	<table border="1"><tr><td> </td><td> </td><td> </td><td>2</td><td>1</td><td>0</td></tr></table>				2	1	0
			5	9																								
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			1	0	1																							
			2	1	0																							
Sodium	<table border="1"><tr><td> </td><td> </td><td> </td><td>4</td><td>4</td></tr></table>				4	4	<table border="1"><tr><td> </td><td> </td><td> </td><td>1</td><td>9</td><td>0</td></tr></table>				1	9	0	Chloride	<table border="1"><tr><td> </td><td> </td><td> </td><td>1</td><td>5</td><td>5</td></tr></table>				1	5	5	<table border="1"><tr><td> </td><td> </td><td> </td><td>4</td><td>3</td><td>7</td></tr></table>				4	3	7
			4	4																								
			1	9	0																							
			1	5	5																							
			4	3	7																							
Total	<table border="1"><tr><td> </td><td> </td><td> </td><td>1</td><td>0</td><td>4</td><td>4</td></tr></table>				1	0	4	4		Fluoride	<table border="1"><tr><td> </td><td> </td><td> </td><td>2</td><td>6</td></tr></table>				2	6	<table border="1"><tr><td> </td><td> </td><td> </td><td>1</td><td>4</td></tr></table>				1	4						
			1	0	4	4																						
			2	6																								
			1	4																								
<input type="checkbox"/> Potassium	<table border="1"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>							Nitrate	<table border="1"><tr><td> </td><td> </td><td> </td><td>3</td><td>2</td></tr></table>				3	2	<table border="1"><tr><td> </td><td> </td><td> </td><td>5</td><td>7</td></tr></table>				5	7								
			3	2																								
			5	7																								
<input type="checkbox"/> Manganese	<table border="1"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>						%Na _____	pH <u>180</u>	<table border="1"><tr><td> </td><td> </td><td> </td><td>8</td><td>1</td></tr></table>				8	1	Total													
			8	1																								
<input type="checkbox"/> Boron	<table border="1"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>						SAR _____	1 Dissolved Solids (sum in MG/L)	<table border="1"><tr><td> </td><td> </td><td> </td><td>6</td><td>7</td><td>2</td></tr></table>				6	7	2													
			6	7	2																							
<input checked="" type="checkbox"/> Total Iron	<table border="1"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>						RSC _____	Phenolphthalein Alkalinity as CaCO ₃	<table border="1"><tr><td> </td><td> </td><td> </td><td>0</td></tr></table>				0															
			0																									
<input type="checkbox"/> (other) _____ MG/L			Total Alkalinity as CaCO ₃	<table border="1"><tr><td> </td><td> </td><td> </td><td>3</td><td>5</td><td>4</td></tr></table>				3	5	4																		
			3	5	4																							
Specific Conductance (micromhos/cm ³)	<table border="1"><tr><td> </td><td> </td><td> </td><td>9</td><td>3</td><td>0</td></tr></table>				9	3	0		Total Hardness as CaCO ₃	<table border="1"><tr><td> </td><td> </td><td> </td><td>8</td><td>5</td><td>4</td></tr></table>				8	5	4												
			9	3	0																							
			8	5	4																							
Diluted Conductance (micromhos/cm ³)	<u>8</u> x <u>148</u>		2 Nitrogen Cycle	<table border="1"><tr><td> </td><td> </td><td> </td><td>4</td><td>2</td><td>7</td></tr></table>				4	2	7																		
			4	2	7																							
<input type="checkbox"/> " " items will be analyzed if checked.	<u>1184</u>		Ammonia - N	<table border="1"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>																								
<input checked="" type="checkbox"/> The bicarbonate reported in this analysis is converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure is used in the computation of this sum.			Nitrite - N	<table border="1"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>																								
<input checked="" type="checkbox"/> Nitrogen cycle requires separate sample.			Nitrate - N	<table border="1"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>																								
<input checked="" type="checkbox"/> Total Iron requires separate sample.			Organic Nitrogen	<table border="1"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>																								
TDWR-0148			Analyst _____	Checked By _____																								

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Site</i>	<i>DB</i>
17	2 of 2	SSW	0.19 / 1,028.28	TX	WW HIGH PLAINS
<i>District No:</i>	24651			<i>County:</i>	Deaf Smith
<i>State Well No:</i>				<i>GPS Unit:</i>	
<i>Permit No:</i>				<i>GPS Unit ID:</i>	
<i>Permit Status:</i>				<i>Latitude:</i>	34.747364
<i>Aquifer:</i>				<i>Longitude:</i>	-102.468236
<i>County ID:</i>	6				
<i>Well Log Url:</i>					
<i>Note:</i>					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=24651 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
18	1 of 1	NNW	0.22 / 1,149.26	TX	WW HIGH PLAINS
District No:	20843			County:	Deaf Smith
State Well No:				GPS Unit:	
Permit No:				GPS Unit ID:	
Permit Status:				Latitude:	34.764295
Aquifer:				Longitude:	-102.466880
County ID:	6				
Well Log Url:					
Note:					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=20843 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
19	1 of 3	WSW	0.23 / 1,191.93	TX 79045	WW HIGH PLAINS
District No:	20229			County:	Deaf Smith
State Well No:	N/A			GPS Unit:	DRG Map
Permit No:	2474			GPS Unit ID:	
Permit Status:	Destroyed			Latitude:	34.75028
Aquifer:	Ogallala			Longitude:	-102.469001
County ID:					
Well Log Url:					
Note:	https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=20229 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/				

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
19	2 of 3	WSW	0.23 / 1,191.93	TX 79045	WW HIGH PLAINS
District No:	19067			County:	Deaf Smith
State Well No:	N/A			GPS Unit:	DRG Map
Permit No:	1033			GPS Unit ID:	
Permit Status:	Destroyed			Latitude:	34.7503
Aquifer:	Ogallala			Longitude:	-102.474119
County ID:					
Well Log Url:	https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=19067				
Note:	High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/				

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
19	3 of 3	WSW	0.23 / 1,191.93	JORDE POTATOE COMPANY TX	TCEQ WELL LOGS

Grid No: 10-13-7C
Date Drilled: 01/25/1963
Owners Name: JORDE POTATOE COMPANY
County: DEAF SMITH
Water Usage: IRRIGATION
Static Level: 106
Depth Drilled: 400
Latitude: 34.759595
Longitude: -102.473564

File original copy with Texas Water Commission
P. O. Box 2311, Capitol Station
Austin 11, Texas

State of Texas
DRILLERS LOG AND WELL DATA REPORT

For use by TWC only
Well No. _____
Located on map _____
By _____ Date _____
Map no. _____

1) Well Owner: Jorde Potatoe Company Hereford, Texas
2) Land Owner: _____
3) Intended use: Industrial ☐ Municipal ☐ Irrigation ☒ Other _____
4) Location of well: County Deaf Smith Labor _____ League _____ Abstract No. _____
NE ☒ NW ☒ SE ☒ SW ☒ of Section 151 Block No. M-7 Survey _____

_____ miles in _____ direction
from _____

Sketch map of well location with distances from two section or survey lines, and to landmarks, roads, and creeks.

DRILLERS LOG OF WELL
Method of drilling: Rotary Diameter of hole 18 in. Date drilled 1/25/63
All measurements made from _____ ft. above ground level.

From (ft)	To (ft)	Description and color of formation material	From (ft)	To (ft)	Description and color of formation material
0	4	Top Soil			
4	80	Caliche			
80	110	Sand, Stone, Some Clay			
110	262	Sand & Stone			
262	264	Rock			
264	285	Sand & Stone			
285	305	White Clay			
305	400	Dark Brown Clay			

(Use continuation sheets if necessary)

COMPLETION DATA

COMPLETION		CASING		SCREEN	
Straight wall <input checked="" type="checkbox"/>		Type: Old <input type="checkbox"/> New <input checked="" type="checkbox"/>		Type _____	
Under reamed <input type="checkbox"/>		Cemented from _____ ft.		Perforated <input checked="" type="checkbox"/> Slotted <input type="checkbox"/>	
Gravel packed <input type="checkbox"/>		to _____ ft.			
Open hole <input type="checkbox"/>		Diameter (inches)	Setting from (ft) to (ft)	Diameter (inches)	Setting from (ft) to (ft)
Other _____		16	0 400	3/16	245 395

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.
J. D. Kirkland West Texas Drilling, Inc. Reg. No. _____
Please attach electric log, chemical analysis, and other pertinent information if available.
If well was tested by your company or if you installed the permanent pump please complete the following:

WATER LEVEL AND PUMP DATA

Static water level			Pump type	
ft.	below		_____	
_____	_____		Designed pumping rate _____ gpm <input type="checkbox"/> gph <input type="checkbox"/>	
_____	_____		Type power unit _____	
_____	_____		Horsepower _____	
_____	_____		Depth to bowls, cylinder, jet, etc., _____ ft. below pump base.	

Name of contractor testing well or installing permanent pump if other than your company: _____
C-34 (62-4)

199.938

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
20	1 of 2	SE	0.23 / 1,216.49	Sam Venturella TX	GWDB
Well Rep Track No:					
State Well No:		1013804			
Owner Name:		Sam Venturella			
Drilling Start Dt:					
Drilling Month:		7			
Drilling Day:		15			
Drilling Year:		1956			
Well Depth:		260			
Well Usage:		Domestic			
Water Level Status:					
Latitude:		34.7502780			
Longitude:		-102.4572230			
Data Source:		Groundwater Database (GWDB) Reports; GIS shapefile of GWDB well locations			
Well Info Report:		https://www3.twdb.texas.gov/apps/waterdatainteractive//GetReports.aspx?Num=1013804&Type=GWDB			
Document Link:		https://www3.twdb.texas.gov/apps/waterdatainteractive//GetScannedImage.aspx?Num=1013804&Cnty=Deaf Smith			

TEXAS WATER DEVELOPMENT BOARD
WELL SCHEDULE

Aquifer Ogallala Field No. 1594 State Well No. 10-13-804
Owner's Well No. _____ County Deaf Smith
5-D6-2-HT

1. Location: <u>SW 1/4, SW 1/4 Sec. 134</u> , Block <u>14-7</u> Survey _____	<table border="1"> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>																
2. Owner: <u>SAM VENTURE II</u> Address: <u>21 S. HERFORD TX</u>																	
Tenant: _____ Address: _____																	
Driller: <u>Cal Nichols</u> Address: <u>305 BENNETT, Hereford</u>																	
3. Elevation of _____ is _____ ft. above sea level, determined by _____																	
4. Drilled: <u>7-15-56</u> 19 _____; Dug, Cable Tool, Rotary, _____																	
5. Depth: Rept. <u>260</u> ft. Meas. _____ ft.																	
6. Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed _____																	
7. Pump: Mfr. _____ Type _____																	
No. Stages _____, Bowl Diam. _____ in., Setting _____ ft.																	
Column Diam. _____ in., Length Tailpipe _____ ft.																	
8. Motor: Fuel _____ Make & Model _____ HP. _____																	
9. Yield: Flow _____ gpm, Pump _____ gpm, Meas., Rept., Est. _____																	
10. Performance Test: Date _____ Length of Test _____ Made by _____																	
Static Level _____ ft. Pumping Level _____ ft. Drawdown _____ ft.																	
Production _____ gpm Specific Capacity _____ gpm/ft.																	
11. Water Level: _____ ft. rept. _____ 19 _____ above _____ which is _____ ft. above surface.																	
_____ ft. rept. _____ 19 _____ below _____ which is _____ ft. above surface.																	
_____ ft. rept. _____ 19 _____ below _____ which is _____ ft. above surface.																	
_____ ft. rept. _____ 19 _____ below _____ which is _____ ft. above surface.																	
_____ ft. rept. _____ 19 _____ above _____ which is _____ ft. above surface.																	
_____ ft. rept. _____ 19 _____ below _____ which is _____ ft. above surface.																	
12. Use: <u>Dom.</u> Stock, Public Supply, Ind., Irr., Waterflood, Observation, Not Used, _____																	
13. Quality: (Remarks on taste, odor, color, etc.) _____																	
Temp. _____ °F, Date sampled for analysis _____ Laboratory _____																	
Temp. _____ °F, Date sampled for analysis _____ Laboratory _____																	
Temp. _____ °F, Date sampled for analysis _____ Laboratory _____																	
14. Other data available as circled: <u>Driller's Log</u> , Radioactivity Log, Electric Log, _____																	
Formation Samples, Pumping Test, _____																	
15. Record by: <u>O. Gooch</u> Date <u>8-15</u> 19 <u>78</u>																	
Source of Data <u>Field & HPLUCD</u>																	
16. Remarks: _____																	

Casing & Blank Pipe			
Cemented From		ft. to	
Diam. (in.)	Type	Setting, ft. from to	
16	Steel	Surf	260

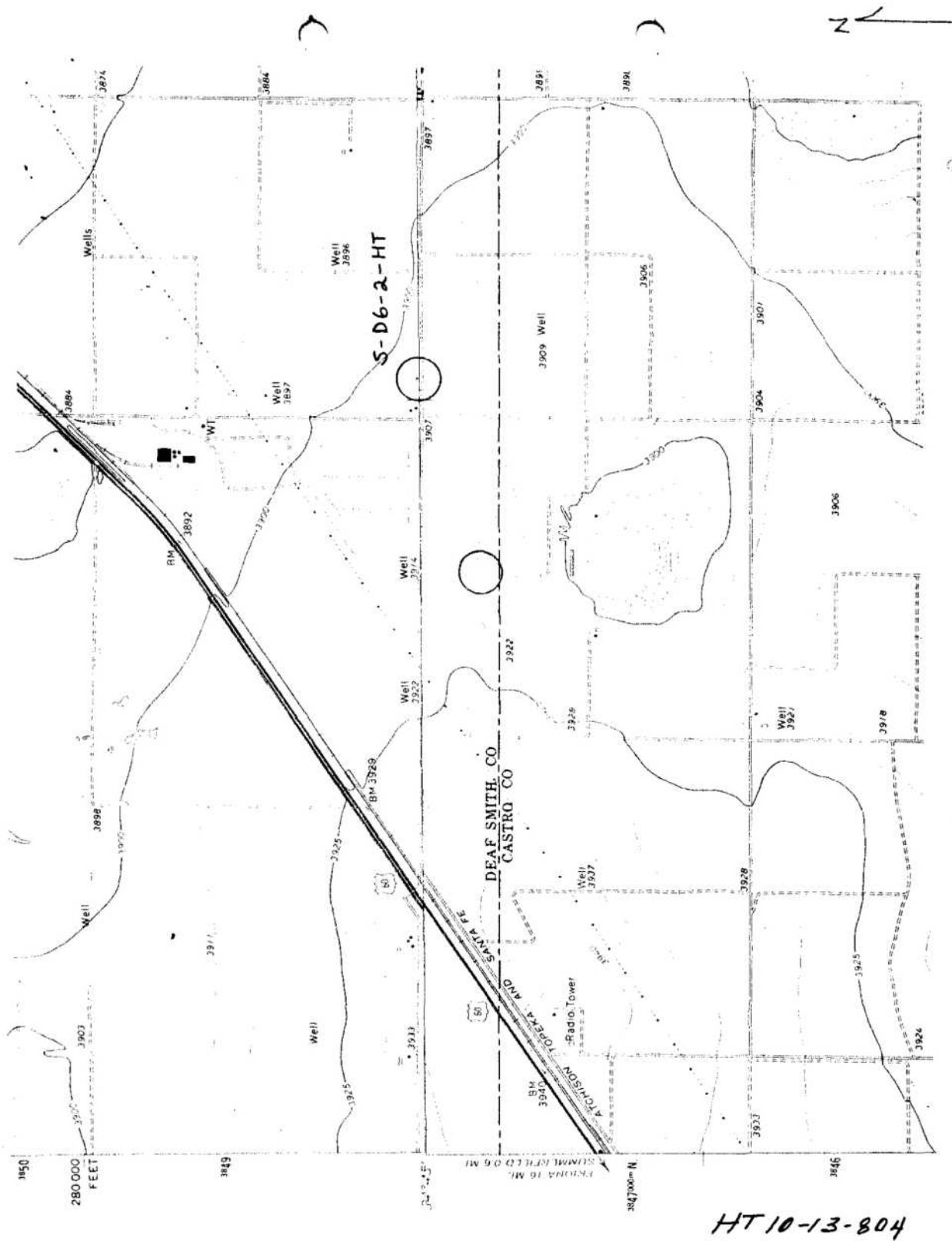
Well Screen			
Screen Openings		Setting, ft. from to	
Diam. (in.)	Type	Setting, ft. from to	
16	Perforated	180	260
Casing Perforated with 4" slots			
5 per foot			

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NOV 6 1978

Central Records
Texas Dept. of Water Resources

TWDBE-WD-2

(Sketch)



TEXAS DEPARTMENT OF WATER RESOURCES

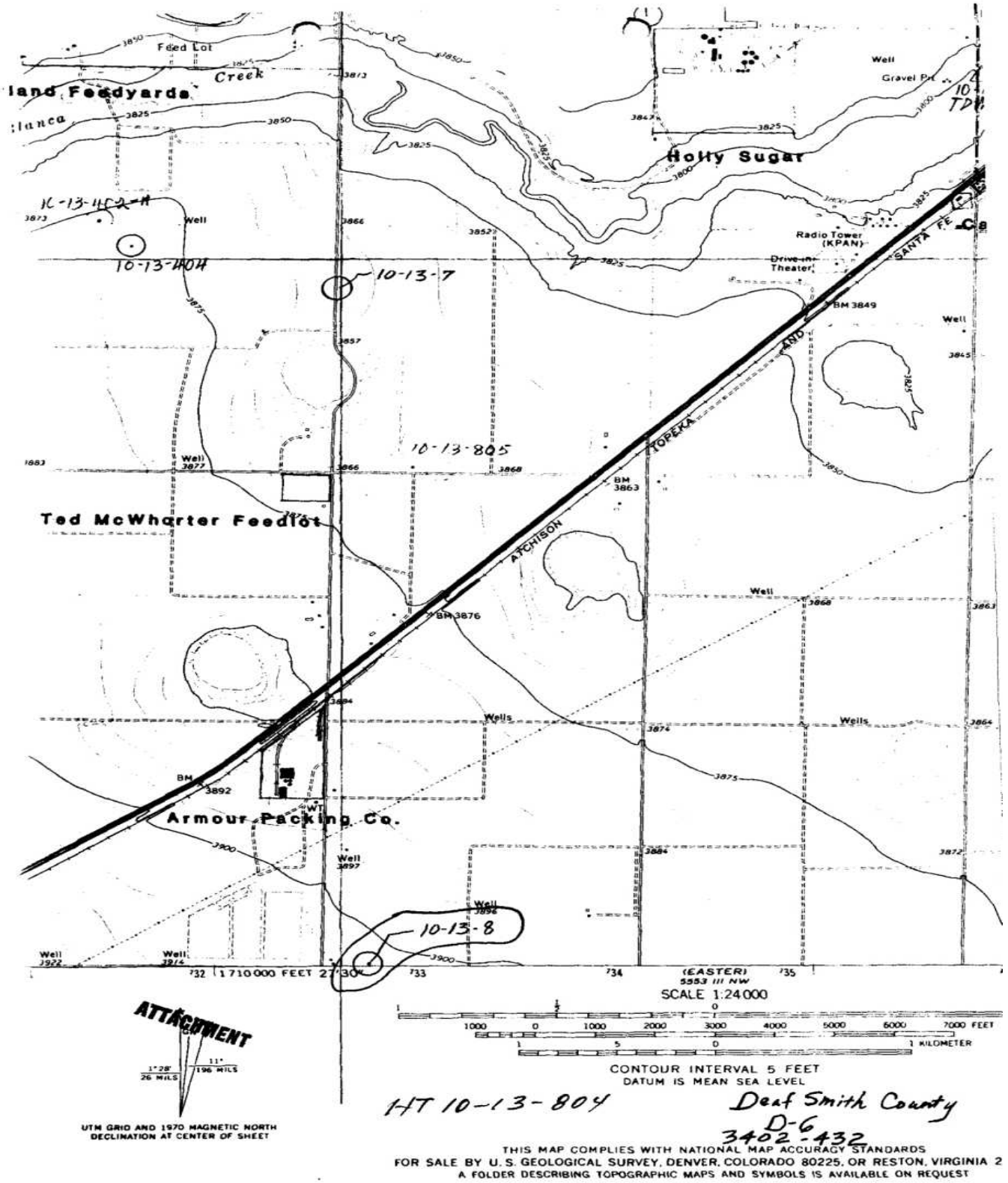
WELL SCHEDULE

[illegible]

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AUG 20 1981
CR/TDWR

T D W R-0308

W/L Obs. Well W/Q Obs. Well ☒
State Well No. 70-13-809



354R.LW
Original—District Office Co.District File No. _____
FOR USE OF DISTRICT OFFICE ONLYHigh 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.)

FOR USE OF COMMITTEEMEN	
Field Well No.	1594
Date Received	11-1-56
Size of Pump	6 in Yield 560 GPM

1. Well Owner Sam Venturella Address Route 5, Hereford, Texas
2. Well located _____ miles N, 2 1/2 miles S, _____ miles E, 3 miles W of the town of Hereford, Texas
3. County Deaf Smith Labor _____ League _____ Abstract No. _____
4. NW 1/4 NE 1/4 SW 1/4 SE 1/4 Section 136 Block M-7 Survey _____
(CIRCLE ONE)
5. ACTUAL LOCATION OF THIS WELL IS { 15 measured yards from N or S line of this tract of land.
315 measured yards from E or W line of this tract of land.

DRILLER'S LOG OF WELL

Method of Drilling: _____

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL	FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
0	3	top soil	230	255	coarse sand
3	25	chert	255	260	clay
25	27	chert rock			
27	55	silty clay			
55	57	rock			
57	90	sand			
90	143	sand and gravel			
143	181	sand			
181	185	rock			
185	230	sand			

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LUBBOCK, TEXAS
NOV -6 1956

HIGH PLAINS UNDERGROUND
WATER CONSERVATION DIST. No. 1

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 Cal Nichols Address 305 Bennett Date Drilled July 15 1956

DESCRIPTION OF WELL

6. Casing: new, used, gas line, or shop made. Diameter 14 in. Total length 260 ft.
7. Casing perforations: from 180 ft to 260 ft. Size 1/4 in. Number per foot 5
8. Pump Column: Size 6 in. Total length 190 ft. Suction pipe: Size 6 in. Length 10 ft.
9. Pump bowls: Size 10 in. Number of stages 5 Pump discharge pipe: Size 4 in.
10. Depth to water level 130 ft. Pump discharge 700 GPM. Pumping level: 170 ft.
11. Power Unit: Electrical, Natural Gas, Butane, Other 40 Horsepower

Signature John J. Gallagher TITLE Hereford ADDRESS 2nd
OWNER OR AGENT

Final Completion of Well — Date July 20, 19 56

HT 10-13-804

Typewrite (Black ribbon) or Print Plainly
(soft pencil or black ink)
Do not use ball point pen

Texas Department of Health Laboratories
1100 West 49th Street
Austin, Texas 78756

TDWR ONLY

Organization No. _____ Lab No.

Work No. _____

CHEMICAL WATER ANALYSIS REPORT

Send report to:

Data Collection and Evaluation Section
Texas Department of Water Resources
P.O. Box 13087
Austin, Texas 78711

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MAR 31 1982

CK/LUVH

TDWR-HPUWCD#1 Special

County 059 Deaf Smith

State Well No. 10 13 804

Well No. 1594

Date Collected 07 15 81

HPUWCD#1

Sample No. By Obbie Goolsby

Location SW 1/4 of SW 1/4 Section 136, B1K. M-7

Source (type of well) Submersible Owner Charles Venturella, Route 5, Hereford, Texas

Date Drilled _____ Depth _____ ft. WBF Ogallala

Producing intervals _____ Water level _____ ft. Sample depth ft.

Sampled after pumping Cont. hrs. Yield _____ GPM est. Temperature °F °C

Point of collection Faucet on discharge pipe Appearance ☒ clear ☐ turbid ☐ colored ☐ other

Use Domestic Remarks Well in small steel metal shed, faucet inside shed

(FOR LABORATORY USE ONLY)

CHEMICAL ANALYSIS

KEY PUNCHED

MAR 31 '81

Laboratory No CE1-17228

Date Received JUL 29 1981

Date Reported S. R. S.

	MG/L	ME/L
Silica . . . 00955 . . .	41	
Calcium . . . 00915 . . .	65	3.26
Magnesium . . . 00925 . . .	42	3.46
Sodium . . . 00929 . . .	78	3.39
Total		10.24
<input type="checkbox"/> Potassium . 00937 . . .	6.0	0.15
<input type="checkbox"/> Manganese . 01055 . . .		10.24
<input type="checkbox"/> Boron . . . 01022 . . .		
<input type="checkbox"/> Total Iron . 01045 . . .		
<input type="checkbox"/> (other) _____ MG/L		

Specific Conductance (micromhos/cm³) . 00095 . 866

Diluted Conductance (micromhos/cm³) 7 x 162
1134

☐ " items will be analyzed if checked.

¹ The bicarbonate reported in this analysis can be converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure used in the computation of dissolved solids.

² Nitrogen cycle requires separate sample.

³ Total Iron and Manganese require separate sample

	MG/L	ME/L
Carbonate . . . 00445 . . .	0	580.000
Bicarbonate . . . 00440 . . .	244	4.00
Sulfate . . . 00945 . . .	75	1.56
Chloride . . . 00940 . . .	137	3.86
Fluoride . . . 00951 . . .	2.4	0.13
Nitrate . . . 71850 . . .	35.4	0.57
pH 00403 . . .	8.0	10.12
¹ Dissolved Solids (residue at 180°C) . 70300 . . .		592
Phenolphthalein Alkalinity as CaCO ₃ . 00415 . . .	(0)	0
Total Alkalinity as CaCO ₃ 00410 . . .	(4.00)	200
Total Hardness as CaCO ₃ 00900 . . .	(672)	336
² Nitrogen Cycle		
Ammonia - N 00610 . . .		
Nitrite - N 00615 . . .		
Nitrate - N 00620 . . .		
Organic Nitrogen 00605 . . .		

Typewrite (Black ribbon) or Print Plainly
(soft pencil or black ink)
Do not use ball point pen

Texas Department of Health Laboratories
1100 West 49th Street
Austin, Texas 78756

TDWR ONLY			
Program No. _____	Lab No. <table border="1"><tr><td> </td><td> </td></tr></table>		
Work No. _____			

CHEMICAL WATER ANALYSIS REPORT

Send report to:
Ground Water Division
Texas Department of Water Resources
P.O. Box 13087
Austin, Texas 78711

County OSG Deaf Smith
State Well No. 10-13-804
S-DLZ-AT Well No. 1594
Date Collected 08-15-78

Location SW 1/4 SW 1/4 Sec. 136, BIK M-7 Sample No. By HPUNC#1 Goolsby
Source (type of well) _____ Owner SAM VENTURELLA R+S, HERFORD TEXAS
Date Drilled 2-15-56 Depth 260 ft. WBF 09A11A1A

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 ft.
Producing intervals _____ Water level _____ ft. Sample depth

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 ft.
Sampled after pumping 5 min. hrs. Yield _____ GPM

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 °F

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 °C
Point of collection Faucet at Pressure Tank Appearance ☐ clear ☐ turbid ☐ colored ☐ other
Use Domestic Remarks _____

(FOR LABORATORY USE ONLY)

CHEMICAL ANALYSIS

Laboratory No. 348721 Date Received AUG 23 1978 Date Reported SEP 20 78

	MG/L	ME/L																																
Silica	<table><tr><td></td><td></td><td></td><td>43</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>				43																													
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Calcium	<table><tr><td></td><td></td><td></td><td>59</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>				59													<table><tr><td></td><td></td><td>2</td><td>96</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>			2	96												
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Sodium	<table><tr><td></td><td></td><td></td><td>61</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>				61													<table><tr><td></td><td></td><td>2</td><td>65</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>			2	65												
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☐ (other) _____ MG/L
Specific Conductance (micromhos/cm³)

			802
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Diluted Conductance (micromhos/cm³) 7 x 143

☐ " items will be analyzed if checked. 1001

1/ The bicarbonate reported in this analysis is converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure is used in the computation of this sum.

2/ Nitrogen cycle requires separate sample.

3/ Total Iron requires separate sample.

TDWR-0148

	MG/L	ME/L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Site</i>	<i>DB</i>
20	2 of 2	SE	0.23 / 1,216.49	TX	WW HIGH PLAINS
<i>District No:</i>	19511			<i>County:</i>	Deaf Smith
<i>State Well No:</i>				<i>GPS Unit:</i>	
<i>Permit No:</i>				<i>GPS Unit ID:</i>	
<i>Permit Status:</i>				<i>Latitude:</i>	34.750131
<i>Aquifer:</i>				<i>Longitude:</i>	-102.456664
<i>County ID:</i>	6				
<i>Well Log Url:</i>					
<i>Note:</i>					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=19511 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
21	1 of 3	N	0.27 / 1,450.95	TX	WW HIGH PLAINS
District No:	21489			County:	Deaf Smith
State Well No:				GPS Unit:	
Permit No:				GPS Unit ID:	
Permit Status:				Latitude:	34.769874
Aquifer:				Longitude:	-102.460254
County ID:	6				
Well Log Url:					
Note:					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=21489 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
21	2 of 3	N	0.27 / 1,450.95	TX 79045	WW HIGH PLAINS
District No:	19654			County:	Deaf Smith
State Well No:	N/A			GPS Unit:	DRG Map
Permit No:	1785			GPS Unit ID:	
Permit Status:	Destroyed			Latitude:	34.769813
Aquifer:	Ogallala			Longitude:	-102.459718
County ID:					
Well Log Url:	https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=19654				
Note:	High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Site</i>	<i>DB</i>
21	3 of 3	N	0.27 / 1,450.95	W.A. GEARN TX	TCEQ WELL LOGS

Grid No: 10-13-7G
Date Drilled: 08/19/1968
Owners Name: W.A. GEARN
County: DEAF SMITH
Water Usage: IRRIGATION
Static Level: NOT REPORTED
Depth Drilled: 355
Latitude: 34.76914
Longitude: -102.460254

Send original copy by certified mail to the Texas Water Development Board P. O. Box 12386 Austin, Texas 78711		State of Texas WATER WELL REPORT		GW 7 For TWDB use only Well No. <u>10-13-70</u> Located on map <u>Yes</u> Received: <u>ER</u> Form GW 8 Form GW 9																																																							
1) OWNER: Person having well drilled <u>W. A. Gearn</u> Address <u>Box 1635 Hereford, Texas</u> (Name) (Street or RFD) (City) (State) Landowner <u>Same</u> Address _____ (Name) (Street or RFD) (City) (State)																																																											
2) LOCATION OF WELL: County <u>Deaf Smith</u> Labor _____ League _____ Abstract No. _____ NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section <u>152</u> Block No. <u>M.7</u> Survey _____ (Circle as many as are known) miles in <u>3.5</u> South <u>8 West</u> direction from <u>Hereford Texas</u> (NE, SW, etc.) (Town)																																																											
Sketch map of well location with distances from adjacent section or survey lines, and to landmarks, roads, and creeks.																																																											
3) TYPE OF WORK (Check): New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging <input type="checkbox"/>		4) PROPOSED USE (Check): Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Municipal <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Test Well <input type="checkbox"/> Other <input type="checkbox"/>		5) TYPE OF WELL (Check): Rotary <input checked="" type="checkbox"/> Driven <input type="checkbox"/> Dug <input type="checkbox"/> Cable <input type="checkbox"/> Jetted <input type="checkbox"/> Bored <input type="checkbox"/>																																																							
6) WELL LOG: Diameter of hole <u>18</u> in. Depth drilled <u>355</u> ft. Depth of completed well <u>355</u> ft. Date drilled <u>8-19-68</u> All measurements made from _____ ft. above ground level.																																																											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>From (ft.)</th> <th>To (ft.)</th> <th>Description and color of formation material</th> </tr> </thead> <tbody> <tr><td>0</td><td>4</td><td>Surface</td></tr> <tr><td>4</td><td>40</td><td>Clay & calichi</td></tr> <tr><td>40</td><td>70</td><td>Sand & calichi</td></tr> <tr><td>70</td><td>110</td><td>Sand</td></tr> <tr><td>110</td><td>180</td><td>Calichi clay & sand hard</td></tr> <tr><td>180</td><td>245</td><td>Med. Course sand</td></tr> <tr><td>245</td><td>325</td><td>Med. Course sand w/ hard shells</td></tr> <tr><td>325</td><td>350</td><td>Sandy clay</td></tr> </tbody> </table>		From (ft.)	To (ft.)	Description and color of formation material	0	4	Surface	4	40	Clay & calichi	40	70	Sand & calichi	70	110	Sand	110	180	Calichi clay & sand hard	180	245	Med. Course sand	245	325	Med. Course sand w/ hard shells	325	350	Sandy clay	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>From (ft.)</th> <th>To (ft.)</th> <th>Description and color of formation material</th> </tr> </thead> <tbody> <tr><td>350</td><td>355</td><td>Red Bed</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		From (ft.)	To (ft.)	Description and color of formation material	350	355	Red Bed																						(Use reverse side if necessary)	
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NAME <u>N. E. Wolfe</u> (Type or Print) Address <u>Rt. 1 XXXXXXXX</u> (Signed) <u>N. E. Wolfe</u> (Water Well Driller)		Water Well Drillers Registration No. <u>560</u> <u>Hereford, Texas</u> (City) (State) <u>Wolf Drilling Co.</u> (Company Name)																																																									
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☒ 1-10 ☒ 123 ☒ NEW APP. BOOK ☒ ABC FILE ☒ X-FILE ☒ MASTER SHEET ☒ WELLS COMPLETED BOOK ☐ PINNED ☐ DEPTH PLOTTED

FORM NO. 465 AWP

Original--District Office Copy

FOR USE OF DISTRICT OFFICE ONLY

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)

Field Well No.	4116
Time of Filing	8-19-68 10:00 A.M.
Date Application Filed	8-19-68
Expiration Date	12-19-68
Date Recommended By	7-5-68
County Committee	
Size of Pump	6
Maximum Yield	560 GPM

I, W. A. & Kenny Gearn

Box 1635, Hereford, Texas

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:

County Deaf Smith

Proposed Use (Municipal-Industrial-Irrigation)

~~XXXXXX~~ ~~XXXXXX~~ ~~XXXXXX~~ SE 1/4 Section 152 Block M-7

Drilling to start about Soon, 1968

Survey Abstract

This well will be located { 3 1/2 miles ~~XXXXXX~~ S and 3 miles ~~XXXXXX~~ W of the

Township Range

Labor League

town of Hereford

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 1/4 mile.

NORTH			
Replacement Well			
		X-1	
SOUTH			

Location of proposed Well as submitted by applicant

is 470 measured yards from (N S) S

and 60 measured yards from (E W) E

property line, quarter section line, or labor line.

Number three adjacent wells, or authorized well sites within 1/4 mile on the plat as 1, 2, and 3, to correspond with the following:

No. 1 50 measured yards from proposed well site.

Owned by Applicant-abandoned # 1785

Address

No. 2 435 measured yards from proposed well site.

Owned by C. T. Douglas # 2395

Address RECEIVED

No. 3 LUBBOCK, TEXAS measured yards from proposed well site. SEPT 10 1968

Owned by HIGH PLAINS UNDERGROUND

Address WATER CON. DIST. NO. 1

COMMENT

No other wells within 440 yds.

Replacement

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 500 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: W. A. & Kenny Gearn

Agent Box 1635, Hereford, Texas

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

1. W. A. & Kenny Gearn 2. 13111 20000 3. 13111 20000
☒ Pinned on County Map ☒ Deposit Received ☐ Refunded

SMITH PRINTING CO. - DALLAS 5-9519

Check No. AB

FORM NO. 359R-LW

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. 4116
 Date Received 9-11-68
 Permit Size Maximum
 of Pump 6 in Yield 560 GPM

 1. Land Owner W. E. Gearn Address Box 1635 Hereford, Texas
 2. Well located 3 1/2 miles N. 3 miles S. 3 miles E. 3 miles W of the town of Hereford
 3. County Deaf Smith Labor League Abstract No.
 4. ~~XXXXXXXXXXXX~~ SE 1/4 Section 152 Block M-7 Survey
 MARK OUT THOSE THAT DO NOT APPLY
DRILLER'S LOG OF WELL
 Method of Drilling: Rotary ~~XXX~~ Spudger Diameter of Well: 2 1/2 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-	4	Surface			
4	40	Calichi & Clay			
40	70	Sand & Calichi			
70	140	Sand			
140	180	Calichi clay & sand			
180	245	Med Course sand			
245	325	M. C. sand W/hard calichi shells			
325	350	Sandy clay			
350	355	Red Bed			

RECEIVED

LUBBOCK, TEXAS

SEP 16 1968

H-PL 1 & 2 UNDERGROUND
WATER CON. DIST. NO. 1

REMARKS:

2031' x 1' drilled

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 N. E. Wolfe N.E. Wolfe Address Box 1635 Hereford, Texas Date Drilled 8-22 1968
DESCRIPTION OF WELL AND PRODUCTION EQUIPMENT

(This Does Not Mean Testing or Development Pump)

6. Casing: new, ~~16 in. diameter~~ Diameter 16 in. Total casing length 348 355 ft.
7. Casing perforations: from 160 ft. to 348 ft. Size 1/2 Number of rows 10
8. Pump Column: Size 6 in. Column, shaft length 240 ft. Suction pipe size 6 in. Suction pipe length 10 ft.
9. Pump bowls: Size 10 Number of stages 6 Pump discharge pipe: Size 6 in.
10. Depth to water level 163 ft. Pump yield 500 GPM. Pumping level: 192 ft.
11. Power Unit: Electrical, Natural Gas, Butane, Other Horsepower 30

Signature

LANDOWNER OR AGENT

TITLE

ADDRESS

W. E. Gearn Owner HEREFORD TEX

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
22	1 of 1	NNE	0.28 / 1,465.92	TX 79045	WW HIGH PLAINS
District No:	21125			County:	Deaf Smith
State Well No:	N/A			GPS Unit:	DRG Map
Permit No:	3615			GPS Unit ID:	
Permit Status:	Destroyed			Latitude:	34.768888
Aquifer:	Ogallala			Longitude:	-102.457405
County ID:					
Well Log Url:	https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=21125				
Note:	High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Site</i>	<i>DB</i>
23	1 of 2	N	0.30 / 1,563.34	TX	WW HIGH PLAINS
<i>District No:</i>	22903			<i>County:</i>	Deaf Smith
<i>State Well No:</i>				<i>GPS Unit:</i>	
<i>Permit No:</i>				<i>GPS Unit ID:</i>	
<i>Permit Status:</i>				<i>Latitude:</i>	34.768447
<i>Aquifer:</i>				<i>Longitude:</i>	-102.463795
<i>County ID:</i>	6				
<i>Well Log Url:</i>					
<i>Note:</i>					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=22903 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Site</i>	<i>DB</i>
23	2 of 2	N	0.30 / 1,563.34	TED MCWHORTER TX	TCEQ WELL LOGS

Grid No: 10-13-7L
Date Drilled: 02/26/1974
Owners Name: TED MCWHORTER
County: DEAF SMITH
Water Usage: IRRIGATION
Static Level: NOT REPORTED
Depth Drilled: 352
Latitude: 34.767713
Longitude: -102.463795

Send original copy by certified mail to the Texas Water Development Board P. O. Box 13087 Austin, Texas 78711		State of Texas WATER WELL REPORT		For TWDB use only Well No. <u>10-13-74</u> Located on map Received: <u>74 Y 25</u> <u>dl</u>																															
1) OWNER: Person having well drilled <u>TED MC WHORTER</u> Address <u>Rt. 5, Hereford, Texas 79045</u> <div style="display: flex; justify-content: space-between; font-size: 0.7em;"> (Name) (Street or RFD) (City) (State) </div> Landowner <u>Same</u> Address <u>Same</u> <div style="display: flex; justify-content: space-between; font-size: 0.7em;"> (Name) (Street or RFD) (City) (State) </div>																																			
2) LOCATION OF WELL: County <u>Deaf Smith</u> , <u>3S & 3W</u> miles in _____ direction from <u>Hereford, Texas</u> <div style="display: flex; justify-content: space-between; font-size: 0.7em;"> (N.E., S.W., etc.) (Town) </div> <div style="display: flex;"> <div style="flex: 1; border-right: 1px solid black; padding-right: 5px; font-size: 0.8em;"> Locate by sketch map showing landmarks, roads, creeks, hiway number, etc.* <div style="text-align: center;"> North ↑ </div> </div> <div style="flex: 1; padding-left: 5px; font-size: 0.8em;"> Give legal location with distances and directions from adjacent sections or survey lines. Labor _____ League _____ Block <u>M-7</u> Survey _____ Abstract No. _____ NE 1/4 of Section <u>152</u> </div> </div>																																			
3) TYPE OF WORK (Check): <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Reconditioning <input type="checkbox"/> Plugging		4) PROPOSED USE (Check): <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Municipal <input type="checkbox"/> Irrigation <input type="checkbox"/> Test Well <input type="checkbox"/> Other		5) TYPE OF WELL (Check): <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Driven <input type="checkbox"/> Dug <input type="checkbox"/> Cable <input type="checkbox"/> Jetted <input type="checkbox"/> Bored																															
6) WELL LOG: Diameter of hole <u>27</u> in. Depth drilled <u>352</u> ft. Depth of completed well <u>352</u> ft. Date drilled <u>2-26-74</u> All measurements made from <u>0</u> ft. above ground level.																																			
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8) WATER LEVEL: Static level _____ ft. below land surface Date _____ Artesian pressure _____ lbs. per square inch Date _____ Depth to pump bowls, cylinder, jet, etc., _____ ft. below land surface.																																			
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NAME <u>KENNY GEARN MACHINE WORKS</u> Water Well Drillers Registration No. <u>#1185</u> <div style="display: flex; justify-content: space-between; font-size: 0.7em;"> (Type or Print) </div> ADDRESS <u>Box 1635,</u> <u>Hereford, Texas 79045</u> <div style="display: flex; justify-content: space-between; font-size: 0.7em;"> (Street or RFD) (City) (State) </div> (Signed) <u>Kenny Gear</u> <u>KENNY GEARN MACHINE WORKS</u> <div style="display: flex; justify-content: space-between; font-size: 0.7em;"> (Water Well Driller) (Company Name) </div>																																			
Please attach electric log, chemical analysis, and other pertinent information, if available.																																			

*Additional instructions on reverse side.

TWDBE-WD-8

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Site</i>	<i>DB</i>
24	1 of 1	ENE	0.30 / 1,593.31	C. E. HAGENSTOZ TX	TCEQ WELL LOGS

Grid No: 10-13-8U
Date Drilled: 08/20/1973
Owners Name: C. E. HAGENSTOZ
County: DEAF SMITH
Water Usage: IRRIGATION
Static Level: 171
Depth Drilled: 364
Latitude: 34.759675
Longitude: -102.455044

*Additional instructions on reverse side.

TWDBE-GW-53

Re: ~~10-25-73~~

11-5-73

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Site</i>	<i>DB</i>
25	1 of 2	ESE	0.32 / 1,681.43	TX	WW HIGH PLAINS
<i>District No:</i>	22567			<i>County:</i>	Deaf Smith
<i>State Well No:</i>				<i>GPS Unit:</i>	
<i>Permit No:</i>				<i>GPS Unit ID:</i>	
<i>Permit Status:</i>				<i>Latitude:</i>	34.753401
<i>Aquifer:</i>				<i>Longitude:</i>	-102.454393
<i>County ID:</i>	6				
<i>Well Log Url:</i>					
<i>Note:</i>					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=22567 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Site</i>	<i>DB</i>
25	2 of 2	ESE	0.32 / 1,681.43	ALBERT SCIUMBATO TX	TCEQ WELL LOGS

Grid No: 10-13-8P
Date Drilled: 03/04/1977
Owners Name: ALBERT SCIUMBATO
County: DEAF SMITH
Water Usage: PLAIN IRRIGATION
Static Level: 215
Depth Drilled: 303
Latitude: 34.756031
Longitude: -102.452657

TWOBE-WD-8

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
26	1 of 1	WSW	0.33 / 1,738.94	TX	TCEQ WELL LOGS
Grid No:		10-21-1K			
Date Drilled:		11/02/1970			
Owners Name:		JACK ANDREWS			
County:		CASTRO			
Water Usage:		DOMESTIC			
Static Level:		168			
Depth Drilled:		290			
Latitude:		34.74888127040019			
Longitude:		-102.47574014803912			

*Additional instructions on reverse side.

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Site</i>	<i>DB</i>
27	1 of 1	SW	0.34 / 1,820.87	TX	WW HIGH PLAINS
<i>District No:</i>	6168			<i>County:</i>	Castro
<i>State Well No:</i>				<i>GPS Unit:</i>	
<i>Permit No:</i>				<i>GPS Unit ID:</i>	
<i>Permit Status:</i>				<i>Latitude:</i>	34.746260
<i>Aquifer:</i>				<i>Longitude:</i>	-102.473541
<i>County ID:</i>	3				
<i>Well Log Url:</i>					
<i>Note:</i>					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=6168 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
28	1 of 2	NNE	0.42 / 2,223.12	Clayton W. Sanders TX	GWDB
Well Rep Track No: State Well No: 1013705 Owner Name: Clayton W. Sanders Drilling Start Dt: Drilling Month: 7 Drilling Day: 9 Drilling Year: 1976 Well Depth: 364 Well Usage: Irrigation Water Level Status: Latitude: 34.7716670 Longitude: -102.4597230 Data Source: Groundwater Database (GWDB) Reports; GIS shapefile of GWDB well locations Well Info Report: https://www3.twdb.texas.gov/apps/waterdatainteractive//GetReports.aspx?Num=1013705&Type=GWDB Document Link: https://www3.twdb.texas.gov/apps/waterdatainteractive//GetScannedImage.aspx?Num=1013705&Cnty=Deaf Smith					

TEXAS DEPARTMENT OF WATER RESOURCES

WELL SCHEDULE

Aquifer(s) Dogallala Project No. Permit # 5416 State Well No. 10-13-705
 Field No./Owner's Well No. 5416 County Deaf Smith
 1. Location: NE 1/4, SE 1/4, Section 152, Block M-7, Survey BSAF, Lat. 36°46'18", Long. 102°27'33"
 2. Owner: Clayton W. Sanders Address: Rt. 5, Hereford, Tx.
 Tenant (other): _____ Address: _____
 Driller: Bob Campbell Address: Rt. 3, Hereford, Tx.
 3. Land Surface Elevation: 3878 ft. above msl determined by topo map
 4. Drilled: 7-9 19 76; Dug, Cable Tool, Rotary, Air, _____
 5. Depth: Rept. 364 ft. Meas. _____ ft.
 6. Borehole Completion: Open Hole, Straight Wall, Underreamed, Gravel Packed
 7. Pump: Mfr. _____ Type turbine
 No. Stages 5, Bowls Diam. 10 in., Setting 320 ft.
 Column Diam. 6 in., Length Tailpipe 20 ft.
 8. Motor: Mfr. _____ Fuel nat. gas HP. 60
 9. Yield: Flow _____ gpm, Pump 310 gpm, Meas., Rept., Est. _____ Date 7-9-76
 10. Performance Test: Date _____ Length of Test _____ Made by _____
 Static Level _____ ft. Pumping Level _____ ft. Drawdown _____ ft.
 Production _____ gpm Specific Capacity _____ gpm/ft.
 11. Quality: (Remarks on taste, odor, color, etc.) _____
 Analyses
 Date _____ Laboratory _____ TDS _____ Sp Cond _____
 Date _____ Laboratory _____ TDS _____ Sp Cond _____
 12. Other data available (as circled): Pumping Test, Power & Yield Test, Drillers Log,
 Formation Samples, Geophysical Log(s) _____ (type) _____
 13. Water Level(s): _____ ft. rept. _____ 19 _____ above _____ which is _____ ft. above Land Surface
 _____ ft. meas. _____ below _____ below _____
 _____ ft. rept. _____ 19 _____ above _____ which is _____ ft. above Land Surface
 _____ ft. meas. _____ below _____ below _____
 14. Use: Dom., Stock, Public Supply, Ind., Irr., Observation, Other (Test Hole, Oil Test, etc.) _____
 15. Recorded by: B. Bates Source of data: field & HPWCD files Date: 5-22-81
 16. Remarks: _____
 17. Location or Sketch: _____
 REC _____

AUG 20 1981

CR/1000

T D W R-0308

W/L Obs. Well _____ W/Q Obs. Well ☒
State Well No. 10-13-705

Typewrite (Black ribbon) or Print Plainly
(soft pencil or black ink)
Do not use ball point pen

Texas Department of Health Laboratories
1100 West 49th Street
Austin, Texas 78756

TDWR ONLY

Organization No. _____ Lab No. _____ S. _____

Work No. _____

CHEMICAL WATER ANALYSIS REPORT

Send report to:

Data Collection and Evaluation Section
Texas Department of Water Resources
P.O. Box 13087
Austin, Texas 78711

RECEIVED
NOV 10 1981

KEY PUNCHED

CR/TDWR

County 059 Deaf Smith
State Well No. 10-13-705
Well No. 5416
Date Collected 03-04-81

Location NE 1/4, SE 1/4, Sec. 152, B1K. M-7 BS+F Survey Sample No. _____ By HPWCD* BB
Source (type of well) Irr. turbine Owner Clayton W. Sanders-Rt. 5, Hereford, Tx
Date Drilled 7-9-76 Depth 344 ft. WBF 09/12/76
Producing intervals _____ Water level _____ ft. Sample depth _____ ft.
Sampled after pumping cont. hrs. Yield _____ GPM meas. Temperature _____ °F _____ °C
Point of collection fauet on discharge Appearance ☒ clear ☐ turbid ☐ colored ☐ other
Use Irr. Remarks near feedlot (Ted McWhorter) # 10

FOR L

CEI-14641

CHEMICAL ANALYSIS

JUL 22 '81

Laboratory _____

Date Received JUN 17 1981

Date Reported _____

	MG/L	ME/L
Silica . . . 00955 . . .	<u>47</u>	
Calcium . . . 00915 . . .	<u>43</u>	<u>2.13</u>
Magnesium . . . 00925 . . .	<u>32</u>	<u>2.67</u>
Sodium . . . 00929 . . .	<u>35</u>	<u>1.52</u>
Total		<u>6.32</u>

<input type="checkbox"/> Potassium . . . 00937 . . .		
<input type="checkbox"/> Manganese . . . 01055 . . .		%Na _____
<input type="checkbox"/> Boron . . . 01022 . . .		SAR _____
<input type="checkbox"/> Total Iron . . . 01045 . . .		RSC _____

<input type="checkbox"/> (other) _____	MG/L
Specific Conductance (micromhos/cm ³) . . . 00095 . . .	<u>526</u>
Diluted Conductance (micromhos/cm ³) <u>4</u> x <u>156</u>	

☐ " Items will be analyzed if checked.

¹ The bicarbonate reported in this analysis can be converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure used in the computation of dissolved solids.

² Nitrogen cycle requires separate sample.

³ Total Iron and Manganese require separate sample.

TDWR-0148 (Rev. 1-8-80)

	MG/L	ME/L
Carbonate . . . 00445 . . .	<u>0</u>	
Bicarbonate . . . 00440 . . .	<u>299</u>	<u>4.90</u>
Sulfate . . . 00945 . . .	<u>41</u>	<u>0.85</u>
Chloride . . . 00940 . . .	<u>18</u>	<u>0.51</u>
Fluoride . . . 00951 . . .	<u>2.2</u>	<u>0.12</u>
Nitrate . . . 71850 . . .	<u>3.6</u>	<u>0.06</u>
pH . . . 00403 . . .	<u>8.3</u>	Total <u>6.44</u>
¹ Dissolved Solids (residue at 180°C) . . . 70300 . . .		<u>366</u>
Phenolphthalein Alkalinity as CaCO ₃ . . . 00415 . . .		<u>0</u>
Total Alkalinity as CaCO ₃ <u>4.90</u> . . . 00410 . . .		<u>2.45</u>
Total Hardness as CaCO ₃ <u>4.80</u> . . . 00900 . . .		<u>2.40</u>
² Nitrogen Cycle		
Ammonia - N 00610 . . .		
Nitrite - N 00615 . . .		
Nitrate - N 00620 . . .		
Organic Nitrogen 00605 . . .		

Analyst _____ Checked By _____

Duplicate---File Copy

FORM NO. 3559A-1

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. _____
 Date Received 10-1-76
 Permit Size _____ Maximum _____
 of Pump _____ in Yield 300 GPM

1. Land Owner William J. Edwards Address Route 45, Harford, Texas 79443
 2. Well located _____ miles N. _____ miles S. _____ miles E. _____ miles W of the town of Harford
 3. County Rock Labor _____ League _____ Abstract No. _____
 4. NW¼ NE¼ SW¼ SE¼ Section 152 Block 47 Survey _____
 MARK OUT THOSE THAT DO NOT APPLY

DRILLER'S LOG OF WELL

Method of Drilling: Rotary _____ Spudder _____ Diameter of Well: 10 inches.
 MARK OUT ONE THAT DOES NOT APPLY

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL	FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL
1	4	Top Soil			
4	10	Shale - clay			
10	25	Dark white E			
25	145	Shale + sandstone			
145	200	Shale + sandstone			
200	250	Shale + sandstone			
250	300	Shale + sandstone			
300	350	Shale + sandstone			
350	400	Shale + sandstone			
400	450	Shale + sandstone			
450	500	Shale + sandstone			
500	550	Shale + sandstone			
550	600	Shale + sandstone			
600	650	Shale + sandstone			
650	700	Shale + sandstone			
700	750	Shale + sandstone			
750	800	Shale + sandstone			
800	850	Shale + sandstone			
850	900	Shale + sandstone			
900	950	Shale + sandstone			
950	1000	Shale + sandstone			

RECEIVED NOV 4 1976

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 Bob Longfellow Address 5823 Date Drilled 7-9 19 76

DESCRIPTION OF WELL AND PRODUCTION EQUIPMENT

(This Does Not Mean Testing or Development Pump)

6. Casing: new, used, gas line, or shop made. Diameter 10 in. Total casing length 300 ft.
 7. Casing perforations: from 100 ft. to 200 ft. Size 1/2" Number of rows 10
 8. Pump Column: Size 10 in. Column, shaft length 320 ft. Suction pipe size 10 in. Suction pipe length 10 ft.
 9. Pump bowls: Size 10 in. Number of stages 10 Pump discharge pipe: Size 10 in.
 10. Depth to water level 300 ft. Pump yield 310 GPM. Pumping level: 2 ft.
 11. Power Unit: Electrical, Natural Gas, Butane, Other 120 Horsepower 10

Signature _____ LANDOWNER OR AGENT TITLE ADDRESS

ATTACHMENT

HT10-13-705

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
28	2 of 2	NNE	0.42 / 2,223.12	TX	WW HIGH PLAINS
District No:	22489			County:	Deaf Smith
State Well No:				GPS Unit:	
Permit No:				GPS Unit ID:	
Permit Status:				Latitude:	34.771623
Aquifer:				Longitude:	-102.459722
County ID:	6				
Well Log Url:					
Note:					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=22489 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
29	1 of 1	WSW	0.43 / 2,285.81	TX 79045	WW HIGH PLAINS
District No: 4777 State Well No: N/A Permit No: 18 Permit Status: Cancelled Aquifer: Dockum County ID: Well Log Url: Note:		County: Castro GPS Unit: DRG Map GPS Unit ID: Latitude: 34.749721 Longitude: -102.477777		https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=4777 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/	

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
30	1 of 2	NE	0.44 / 2,337.69	TX	WW HIGH PLAINS
District No:	20299			County:	Deaf Smith
State Well No:				GPS Unit:	
Permit No:				GPS Unit ID:	
Permit Status:				Latitude:	34.764624
Aquifer:				Longitude:	-102.452110
County ID:	6				
Well Log Url:					
Note:					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=20299 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Site</i>	<i>DB</i>
30	2 of 2	NE	0.44 / 2,337.69	TX	TCEQ WELL LOGS

Grid No: 10-13-7G
Date Drilled: 08/27/1963
Owners Name: MRS. W. R. SHEIGHAGEN
County: DEAF SMITH
Water Usage: IRRIGATION
Static Level: NOT REPORTED
Depth Drilled: 342
Latitude: 34.76829968999941
Longitude: -102.45257673999826

File original copy with Texas Water Commission P. O. Box 2311, Capitol Station Austin 11, Texas	State of Texas DRILLERS LOG AND WELL DATA REPORT	For use by TWC only Well No. <u>10-13-76</u> Located on map <u>UCC-1</u> By <u>GW</u> Date <u>8-2-63</u> Map no. <u>59</u> <u>2</u>																												
1) Well Owner: <u>Mrs. W. R. Scheighagen</u> Hereford, Texas																														
2) Land Owner: _____ City _____ State _____																														
3) Intended use: Industrial <input type="checkbox"/> ; Municipal <input type="checkbox"/> ; Irrigation <input checked="" type="checkbox"/> ; Other _____																														
4) Location of well: County <u>Deaf Smith</u> Labor _____ League _____ Abstract No. _____ NW <input type="checkbox"/> NE <input type="checkbox"/> SW <input checked="" type="checkbox"/> SE <input type="checkbox"/> of Section <u>13.5</u> Block No. <u>M-7</u> Survey _____ <small>(Circle as many as are known)</small>																														
_____ miles in _____ direction from _____ NE, SW, etc. _____ Town _____																														
Sketch map of well location with distances from two section or survey lines, and to landmarks, roads, and creeks.																														
DRILLERS LOG OF WELL																														
Method of drilling: <u>Rotary</u> Diameter of hole <u>18</u> in. Date drilled <u>8/27/63</u>																														
All measurements made from _____ ft. above ground level.																														
From (ft)	To (ft)	Description and color of formation material																												
0	4	Top Soil																												
4	35	Caliche																												
35	135	Hard Sand & Stone																												
135	160	Fine Sand																												
160	180	Sand & Stone & Clay Mixed																												
180	210	Sand & Stone, Strips of Fine Sand																												
210	238	Med. Course Sand & Stone																												
238	263	Soft Fine Sand																												
(Use continuation sheets if necessary)																														
COMPLETION DATA																														
COMPLETION Straight wall <input checked="" type="checkbox"/> Under reamed <input type="checkbox"/> Gravel packed <input type="checkbox"/> Open hole <input type="checkbox"/> Other _____	CASING Type: Old <input type="checkbox"/> New <input checked="" type="checkbox"/> Cemented from _____ ft. to _____ ft. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th rowspan="2">Diameter (inches)</th> <th colspan="2">Setting</th> </tr> <tr> <th>from (ft)</th> <th>to (ft)</th> </tr> <tr> <td>16</td> <td>0</td> <td>342</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Diameter (inches)	Setting		from (ft)	to (ft)	16	0	342							SCREEN Type _____ Perforated <input checked="" type="checkbox"/> Slotted <input type="checkbox"/> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th rowspan="2">Diameter (inches)</th> <th colspan="2">Setting</th> </tr> <tr> <th>from (ft)</th> <th>to (ft)</th> </tr> <tr> <td> </td> <td>116</td> <td>284</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Diameter (inches)	Setting		from (ft)	to (ft)		116	284						
Diameter (inches)	Setting																													
	from (ft)	to (ft)																												
16	0	342																												
Diameter (inches)	Setting																													
	from (ft)	to (ft)																												
	116	284																												
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.																														
Signature _____ <u>West Texas Drilling, Inc.</u> Reg. No. _____ <small>Company Name</small>																														
Please attach electric log, chemical analysis, and other pertinent information if available.																														
If well was tested by your company or if you installed the permanent pump please complete the following:																														
WATER LEVEL AND PUMP DATA																														
Static water level _____ ft. below _____ <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3">Pumping level</th> </tr> <tr> <th>feet</th> <th>hours</th> <th>gpm</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Pumping level			feet	hours	gpm										Pump type _____ Designed pumping rate _____ gpm <input type="checkbox"/> gph <input type="checkbox"/> Type power unit _____ Horsepower _____ Depth to bowls, cylinder, jet, etc., _____ ft. below pump base.														
Pumping level																														
feet	hours	gpm																												
Name of contractor testing well or installing permanent pump if other than your company: _____																														

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
31	1 of 1	N	0.45 / 2,382.72	TX	WW HIGH PLAINS
District No:	20167			County:	Deaf Smith
State Well No:				GPS Unit:	
Permit No:				GPS Unit ID:	
Permit Status:				Latitude:	34.771696
Aquifer:				Longitude:	-102.462729
County ID:	6				
Well Log Url:					
Note:					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=20167 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
32	1 of 1	WSW	0.46 / 2,435.80	TX 79045	WW HIGH PLAINS
District No:	19036			County:	Deaf Smith
State Well No:	N/A			GPS Unit:	DRG Map
Permit No:	935			GPS Unit ID:	
Permit Status:	Destroyed			Latitude:	34.747164
Aquifer:	Ogallala			Longitude:	-102.477149
County ID:					
Well Log Url:	https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=19036				
Note:	High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/				

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
33	1 of 1	SE	0.46 / 2,442.31	TX	WW HIGH PLAINS
District No:	6028			County:	Castro
State Well No:				GPS Unit:	
Permit No:				GPS Unit ID:	
Permit Status:				Latitude:	34.744675
Aquifer:				Longitude:	-102.455591
County ID:	3				
Well Log Url:					
Note:					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=6028 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
34	1 of 2	NNE	0.48 / 2,508.38	TX	WW HIGH PLAINS
District No:	21124			County:	Deaf Smith
State Well No:				GPS Unit:	High Accuracy
Permit No:				GPS Unit ID:	3
Permit Status:				Latitude:	34.771258
Aquifer:				Longitude:	-102.455086
County ID:	6				
Well Log Url:					
Note:					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=21124 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Site</i>	<i>DB</i>
34	2 of 2	NNE	0.48 / 2,508.38	CHARLIE HOLT TX	TCEQ WELL LOGS

Grid No: 10-13-8R
Date Drilled: 07/26/1966
Owners Name: CHARLIE HOLT
County: DEAF SMITH
Water Usage: IRRIGATION
Static Level: 144
Depth Drilled: 366
Latitude: 34.768539
Longitude: -102.451856

Dup 7
GW 7

Send original copy by certified mail to the Texas Water Development Board P. O. Box 12386 Austin, Texas 78711

State of Texas
WATER WELL REPORT

For TWDB use only
Well No. 10-23-8R
Located on map yes
Received: _____
Form GW 8 _____
Form GW 9 _____

1) OWNER: Person having well drilled Charlie Holt Address R.R. Hereford, Texas
(Name) (Street or RFD) (City) (State)
Landowner Same Address _____
(Name) (Street or RFD) (City) (State)

2) LOCATION OF WELL: County Deaf Smith Labor _____ League _____ Abstract No. _____
NW 1/4 NE 1/4 SW 1/4 of Section 135 Block No. M-7 Survey _____
(Circle as many as are known)
miles in 4 SW direction from Hereford, Texas
(NE, SW, etc.) (Town)

NORTH
↑

Sketch map of well location with distances from adjacent section or survey lines, and to landmarks, roads, and creeks.

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

4) PROPOSED USE (Check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

5) TYPE OF WELL (Check):
Rotary ☒ Driven ☐ Dug ☐
Cable ☐ Jetted ☐ Bored ☐

6) WELL LOG: Diameter of hole 18" in. Depth drilled 366 ft. Depth of completed well 366 ft. Date drilled 7-26-66
All measurements made from 0 ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material
0	4	Top Soil
4	80	Caliche
80	100	Sand and Stone
100	150	Sand and Some Stone
150	200	Sand, Stone and Lots of Clay
200	360	Sand, Coarse Sand and Some Stone
360	366	Red Bed

(Use reverse side if necessary)

7) COMPLETION (Check):
Straight wall ☒ Gravel packed ☐ Other ☐
Under reamed ☐ Open hole ☐

8) WATER LEVEL:
Static level 114 ft. below land surface Date _____
Artesian pressure _____ lbs. per square inch Date _____

9) CASING:
Type: old ☐ New ☒ Steel ☒ Plastic ☐ Other ☐
Cemented from _____ ft. to _____ ft.

10) SCREEN:
Type: _____
Perforated ☒ Slotted ☐

Diameter (inches)	Setting		Gage
	From (ft.)	To (ft.)	

Diameter (inches)	Setting		Slot size
	From (ft.)	To (ft.)	

11) WELL TESTS:
Was a pump test made? ☐ Yes ☐ No If yes by whom? _____
Yield: _____ gpm with _____ ft. drawdown after _____ hrs
Bailer test _____ gpm with _____ ft. drawdown after _____ hrs
Artesian flow _____ gpm Date _____
Temperature of water _____
Was a chemical analysis made? ☐ Yes ☐ No
Did any strata contain undesirable water? ☐ Yes ☐ No
Type of water? _____ depth of strata _____

12) PUMP DATA:
Manufacturer's Name _____
Type _____ H.P. _____
Designed pumping rate _____ gpm ☐ gph ☐
Type power unit _____
Depth to bowls, cylinder, jet, etc., _____ ft. below land surface.

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.

NAME J.D. Kirkland Water Well Drillers Registration No. #2
(Print)
Address West Texas Drilling, Inc.
Box 926 Hereford Texas
(Street or RFD) (City) (State)
(Signed) J.D. Kirkland West Texas Drilling of Hereford, Inc.
(Water Well Driller) (Company Name)

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

Map Key	Number of Records	Direction	Distance (mi/ft)	Site	DB
35	1 of 2	ENE	0.50 / 2,630.45	TX	WW HIGH PLAINS
District No:	22251			County:	Deaf Smith
State Well No:				GPS Unit:	
Permit No:				GPS Unit ID:	
Permit Status:				Latitude:	34.760096
Aquifer:				Longitude:	-102.451486
County ID:	6				
Well Log Url:					
Note:					https://map1.hpwd.org/php/getFile.php?query=permitlog&districtnumber=22251 High Plains Water District No. 1 makes available an interactive map where water level measurements, permits, drillers' logs, and other details can be found: https://map.hpwd.org/

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Site</i>	<i>DB</i>
35	2 of 2	ENE	0.50 / 2,630.45	TX	TCEQ WELL LOGS

Grid No: 10-13-8X
Date Drilled: 01/16/1975
Owners Name: E. C. REINAUER & SONS, INC.
County: DEAF SMITH
Water Usage: IRRIGATION
Static Level: 198
Depth Drilled: 343
Latitude: 34.75981225999941
Longitude: -102.45122276999827

TWOTR-WD-8

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update.

Federal

Wells from NWIS:

[FED USGS](#)

The U.S. Geological Survey's (USGS) National Water Information System (NWIS) is the nation's principal repository of water resources data. The NWIS includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This select NWIS Wells dataset contains specific Site Types from the overall NWIS Sites data, limited to the following Group Site Types only: Groundwater Group Site Types: Well, Collector or Ranney type well, Hyporheic-zone well, Interconnected Wells, Multiple wells; Spring Group Site Type: Spring; and Other Group Site Types: Aggregate groundwater use, Cistern. Applicable NWIS database information is obtained through the Water Quality Data Portal (WQP). The WQP is a cooperative service sponsored by the USGS, the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC).

Government Publication Date: Sep 27, 2023

State

Well Log Reports from Plotted Water Wells:

[TCEQ WELL LOGS](#)

Locations of TCEQ Water Wells as derived from well logs in the Texas Commission on Environmental Quality (TCEQ) Water Well Report Viewer, which includes unnumbered water wells and those plotted to 2.5 minute grid locations (2-3 miles). In this collection of Well Log Reports, locations have been manually verified.

Government Publication Date: Jul 26, 2022

Select Wells from SDR:

[SDRW WELLS](#)

Locations of wells from the Submitted Drillers Report (SDR) Database with select proposed usage: Domestic, Fracking Supply, Industrial, Irrigation, Other, Public Supply, Rig Supply, Stock, Unknown. SDR is populated from the online Texas Well Report Submission and Retrieval System (TWRSRS), a cooperative Texas Department of Licensing and Regulation (TDLR) and Texas Water Development Board (TWDB) application requiring registered water-well drillers to submit reports. Excludes SDR records with the following proposed usage: Closed-Loop Geothermal, De-watering, Environmental Soil Boring, Extraction, Injection, Monitor, Test Well.

Government Publication Date: Sep 6, 2023

Groundwater Database:

[GWDB](#)

The Texas Water Development Board (TWDB) Groundwater Database (GWDB) contains information on selected water wells, springs, oil/gas tests (that were originally intended to be or were converted to water wells), water levels and water quality.

Government Publication Date: Oct 16, 2023

Fort Bend Subsidence District Water Wells:

[WW FORT BEND](#)

List of water wells in the Fort Bend Subsidence District, boundaries of which are defined as all the territory within Fort Bend County. The Fort Bend Subsidence District was created by the Texas Legislature in 1989 as a conservation and reclamation district to control land subsidence and manage groundwater resources through regulation, conservation, and coordination with suppliers of alternative water sources to assure an adequate quantity and quality of water for the future. The District's purpose is to provide for the regulation of the withdrawal of groundwater within the District to prevent subsidence that contributes to flooding, inundation or overflow of areas within the District, including rising waters resulting from storms or hurricanes.

Government Publication Date: Jul 6, 2023

High Plains Water Wells:

[WW HIGH PLAINS](#)

Inventory of water wells in the High Plains Underground Water Conservation District No. 1 (HPUWCD), which was created in 1951. As a political subdivision of Texas, HPUWCD is charged with protecting, preserving and conserving aquifers within the District's 16-county service area.

Government Publication Date: Apr 17, 2023

Harris Galveston Subsidence District Water Wells:

[WW HARRIS GAL](#)

List of water wells in the Harris-Galveston Subsidence District (HGSD). The HGSD was created by the 64th Texas Legislature as an underground water conservation district in 1975 to provide regulation of groundwater withdrawal to control subsidence.

Government Publication Date: Jul 6, 2023

Water Utility Database:

[WUD](#)

The Water Utility Database is defined as a collection of data from Texas Water Districts, Public Drinking Water Systems and Water and Sewer Utilities who submit information to the TCEQ. This database is an integrated database designed and developed to replace over 160 stand alone legacy systems representing over 5 million records of the former Texas Water Commission and the Texas Department of Health.

Government Publication Date: Oct 1, 2020

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Appendix B

Water Wells within 0.5-Mile Radius

Appendix B
Water Wells Within 0.5 Mile Radius
Nutri-Feeds, L.L.C.
3261 Tierra Blanca Road, Hereford, Texas

Well Report Tracking #	Well Use	Drilling Start Date	Drilling End Date	Latitude and Longitude	Distance From Site (miles)	Total Depth (ft Bgs)	Screened Interval (ft Bgs)	Static Elevation ¹ (ft Bgs)	Yield (GP)	Casing Diameter (in)	Casing type	Source
10-13-7E	Irrigation	1/13/1968	--	34.75941, -102.46341	0	273	0 - 275	165	--	16	PVC	TCEQ ²
179445	Irrigation	5/16/2009	5/18/2009	34.76111, -102.46333	0	37	--	--	--	--	--	TWDB ³
179441	Irrigation	5/15/2009	5/18/2009	34.76305, -102.46055	0	310	--	--	--	--	--	TWDB ³
10-13-706	Irrigation	11/10/1971	--	34.76388, -102.46361	0.07	277	0 - 277	--	500	16	Steel	TWDB ³
10-13-7J	Industrial	11/11/1971	--	34.76001, -102.46097	0.07	277	120 - 277	182	--	16	--	TCEQ ³
647296	Irrigation	7/18/2023	7/20/2023	34.75837, -102.45636	0.07	334	--	--	--	--	--	TWDB ³
10-13-7G	Industrial	6/3/1974	--	34.76653, -102.46123	0.1	350	0 - 356	--	--	8 5/8	PVC	TCEQ ³
10-13-8R	Industrial	5/11/1970	--	34.76546, -102.45773	0.12	350	175-351	167	--	16	PVC	TCEQ ³
10-13-8P	Irrigation	1/29/1970	--	34.75723, -102.45775	0.13	316	186-316	--	--	--	Steel	TCEQ ³
10-21-101	Irrigation	--	--	34.74750, -102.46833	0.19	--	--	--	--	--	--	TWDB ³
10-13-7C	Irrigation	1/25/1963	--	34.75959, -102.47356	0.23	400	0 - 400	106	--	16	Steel	TCEQ ³
1013804	Domestic	--	7/15/1956	34.75027, -102.45722	0.23	260	0 - 260	--	700	16	Steel	TWDB ³
10-13-7G	Irrigation	8/19/1968	--	34.76914, -102.46025	0.27	355	0 - 160	--	500	16	--	TCEQ ³
10-31-7L	Irrigation	2/26/1974	--	34.76771, -102.46379	0.3	352	0 - 352	--	--	16	--	TCEQ ³
10-13-8U	Irrigation	8/20/1973	--	34.75967, -102.45504	0.3	364	0 - 364	171	700	16	--	TCEQ ³
10-13-8P	Plain Irrigation	3/4/1977	--	34.75603, -102.45265	0.32	303	233-303	215	--	16	Steel	TCEQ ³
10-21-1K	Domestic	11/2/1970	--	34.74888, -102.47574	0.33	290	0 - 290	168	--	6 5/8	PVC	TCEQ ³
1013705	Irrigation	7/9/1976	--	34.77166, -102.45972	0.42	364	0 - 360	--	310	12	--	TWDB ³
10-13-7G	Irrigation	8/27/1963	--	34.76829, -102.45257	0.44	342	0 - 342	--	--	16	--	TCEQ ²
10-13-8R	Irrigation	7/26/1966	--	34.76853, -102.45185	0.48	366	--	144	--	--	--	TCEQ ³
10-13-8X	Irrigation	1/16/1975	--	34.75981, -102.45122	0.5	343	0 - 343	198	--	16	--	TCEQ ³

Notes:

¹Depth to water measurement was obtained from driller's log.

²Texas Commission of Environmental Quality

³Texas Water Development Board

Bgs = below ground surface

GP = gallons per minute

-- = not available

Attachment L

Soil Map

Soil Map—Deaf Smith County, Texas




**Natural Resources
Conservation Service**

Web Soil Survey
National Cooperative Soil Survey

4/30/2024
Page 1 of 3


MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Deaf Smith County, Texas

Survey Area Data: Version 20, Aug 31, 2023

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

Date(s) aerial images were photographed: Jan 16, 2022—Jan 29, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
EcA	Estacado clay loam, 0 to 1 percent slopes	113.6	52.3%
PcB	Pep clay loam, 1 to 3 percent slopes	1.6	0.7%
PuA	Pullman clay loam, 0 to 1 percent slopes	83.3	38.4%
PuB	Pullman clay loam, 1 to 3 percent slopes	18.5	8.5%
Totals for Area of Interest		217.0	100.0%

Deaf Smith County, Texas

EcA—Estacado clay loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: db39

Elevation: 2,800 to 5,000 feet

Mean annual precipitation: 17 to 21 inches

Mean annual air temperature: 57 to 63 degrees F

Frost-free period: 185 to 220 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Estacado and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Estacado

Setting

Landform: Plains

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous loamy eolian deposits

Typical profile

Ap - 0 to 6 inches: clay loam

Bt1 - 6 to 19 inches: clay loam

Bt2 - 19 to 38 inches: clay loam

Btk - 38 to 50 inches: clay loam

Btkk - 50 to 80 inches: clay loam

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.20 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 60 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water supply, 0 to 60 inches: Moderate (about 9.0 inches)

Interpretive groups

Land capability classification (irrigated): 1

Land capability classification (nonirrigated): 2c
Hydrologic Soil Group: B
Ecological site: R077CY022TX - Deep Hardland 16-21" PZ
Hydric soil rating: No

Minor Components

Bovina

Percent of map unit: 7 percent
Landform: Plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Olton

Percent of map unit: 5 percent
Landform: Plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077CY022TX - Deep Hardland 16-21" PZ
Hydric soil rating: No

Pep

Percent of map unit: 3 percent
Landform: Plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Data Source Information

Soil Survey Area: Deaf Smith County, Texas
Survey Area Data: Version 20, Aug 31, 2023

Deaf Smith County, Texas

PcB—Pep clay loam, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: db3c

Elevation: 2,700 to 5,300 feet

Mean annual precipitation: 16 to 21 inches

Mean annual air temperature: 57 to 63 degrees F

Frost-free period: 185 to 220 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Pep and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pep

Setting

Landform: Playa slopes, plains

Down-slope shape: Concave, linear

Across-slope shape: Linear

Parent material: Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age

Typical profile

Ap - 0 to 9 inches: clay loam

Bw - 9 to 15 inches: clay loam

Bk - 15 to 30 inches: clay loam

Bkk - 30 to 80 inches: clay loam

Properties and qualities

Slope: 1 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.20 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 60 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water supply, 0 to 60 inches: Moderate (about 7.3 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: B
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Minor Components

Portales

Percent of map unit: 6 percent
Landform: Playa slopes, interdunes, plains
Landform position (two-dimensional): Shoulder
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Estacado

Percent of map unit: 5 percent
Landform: Playa slopes, plains
Down-slope shape: Concave, convex
Across-slope shape: Linear
Ecological site: R077CY022TX - Deep Hardland 16-21" PZ
Other vegetative classification: Unnamed (G077CH000TX)
Hydric soil rating: No

Zita

Percent of map unit: 4 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Concave
Ecological site: R077CY022TX - Deep Hardland 16-21" PZ
Hydric soil rating: No

Data Source Information

Soil Survey Area: Deaf Smith County, Texas
Survey Area Data: Version 20, Aug 31, 2023

Deaf Smith County, Texas

PuA—Pullman clay loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: f5ry

Elevation: 2,800 to 5,000 feet

Mean annual precipitation: 17 to 21 inches

Mean annual air temperature: 55 to 63 degrees F

Frost-free period: 180 to 220 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Pullman and similar soils: 90 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pullman

Setting

Landform: Plains

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Clayey eolian deposits

Typical profile

Ap - 0 to 5 inches: clay loam

Bt - 5 to 33 inches: silty clay loam

Btk1 - 33 to 52 inches: clay loam

Btk2 - 52 to 80 inches: clay

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water

(Ksat): Moderately low (0.01 to 0.14 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 60 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 3.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: High (about 10.6 inches)

Interpretive groups

Land capability classification (irrigated): 3s

Land capability classification (nonirrigated): 3s

Hydrologic Soil Group: C
Ecological site: R077CY022TX - Deep Hardland 16-21" PZ
Hydric soil rating: No

Minor Components

Pantex

Percent of map unit: 4 percent
Landform: Plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077CY022TX - Deep Hardland 16-21" PZ
Hydric soil rating: No

Olton

Percent of map unit: 4 percent
Landform: Plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077CY022TX - Deep Hardland 16-21" PZ
Hydric soil rating: No

Estacado

Percent of map unit: 2 percent
Landform: Plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077CY022TX - Deep Hardland 16-21" PZ
Hydric soil rating: No

Data Source Information

Soil Survey Area: Deaf Smith County, Texas
Survey Area Data: Version 20, Aug 31, 2023

Deaf Smith County, Texas

PuB—Pullman clay loam, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: f5rz

Elevation: 2,800 to 5,000 feet

Mean annual precipitation: 17 to 21 inches

Mean annual air temperature: 57 to 63 degrees F

Frost-free period: 185 to 220 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Pullman and similar soils: 90 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pullman

Setting

Landform: Playa slopes, plains

Landform position (three-dimensional): Dip, tal

Down-slope shape: Concave, convex

Across-slope shape: Linear

Parent material: Clayey eolian deposits

Typical profile

Ap - 0 to 4 inches: clay loam

Bt - 4 to 32 inches: silty clay loam

Btk1 - 32 to 51 inches: clay loam

Btk2 - 51 to 80 inches: clay

Properties and qualities

Slope: 1 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water

(Ksat): Moderately low (0.01 to 0.14 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 60 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 3.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: High (about 10.6 inches)

Interpretive groups

Land capability classification (irrigated): 3s

Land capability classification (nonirrigated): 3s

Hydrologic Soil Group: C
Ecological site: R077CY022TX - Deep Hardland 16-21" PZ
Hydric soil rating: No

Minor Components

Olton

Percent of map unit: 4 percent
Landform: Plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077CY022TX - Deep Hardland 16-21" PZ
Hydric soil rating: No

Estacado

Percent of map unit: 4 percent
Landform: Plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077CY022TX - Deep Hardland 16-21" PZ
Hydric soil rating: No

Pep

Percent of map unit: 2 percent
Landform: Playa slopes, plains
Landform position (three-dimensional): Dip, talf
Down-slope shape: Concave, convex
Across-slope shape: Linear
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Data Source Information

Soil Survey Area: Deaf Smith County, Texas
Survey Area Data: Version 20, Aug 31, 2023

Attachment M

Additional Effluent Monitoring Data

Attachment M – Additional Effluent Monitoring Data
Nutri-Feeds, L.L.C.
Renewal with Changes Application
3261 Tierra Blanca Road
Hereford, Texas

All other parameters not required by current permit, no acres irrigated, and no hydraulic application rate.

Table 14 for Site No.: Brine Water Lagoon

Samples are (check one): ☐ Composites ☒ Grabs

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)
01/2022	4						
02/2022	2						
03/2022	2						
04/2022	2						
05/2022	2						
06/2022	2						
07/2022	2						
08/2022	8						
09/2022	8						
10/2022	278						
11/2022	346						
12/2022	40						
01/2023	41						
02/2023	29						
03/2023	61						
04/2023	8						
05/2023	8						
06/2023	7						
07/2023	7						
08/2023	6						
09/2023	6						
10/2023	14						
11/2023	95						
12/2023	0						

Attach an explanation of all persistent excursions to permitted parameters and corrective actions taken.

Attachment M – Additional Effluent Monitoring Data
Nutri-Feeds, L.L.C.
Renewal with Changes Application
3261 Tierra Blanca Road
Hereford, Texas

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)	pH						
01/2022	7.15						
02/2022	7.21						
03/2022	7.33						
04/2022	7.55						
05/2022	7.59						
06/2022	7.62						
07/2022	7.65						
08/2022	7.74						
09/2022	7.81						
10/2022	7.91						
11/2022	7.89						
12/2022	7.24						
01/2023	7.34						
02/2023	7.99						
03/2023	7.95						
04/2023	7.86						
05/2023	7.98						
06/2023	8.00						
07/2023	7.16						
08/2023	7.14						
09/2023	7.24						
10/2023	7.31						
11/2023	7.29						
12/2023	7.07						

Attachment N
Analytical Results



Tuesday, January 2, 2024

Braun Intertec Corporation
Elena Ford
714 S. Greenville Ave. Ste. 160
Allen, TX 75002
Tel: Fax:

Re: Project Name:

SPL Inc received 16 liquid sample(s). The analysis performed were as follows:

<u>Sample</u>	<u>Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Analysis</u>
23110578-001	Evaporation Pond #1	Liquid	11/28/2023 14:20	Ammonia - N, Chemical Oxygen Demand, Phosphorus, Total - P, Total Kjeldahl Nitrogen, Total Organic Nitrogen (calculation)
23110578-002	Evaporation Pond #1	Liquid	11/28/2023 14:20	Chloride, Fluoride, Hexavalent Chromium, Nitrate - N, Sulfate, Trivalent Chromium
23110578-003	Evaporation Pond #1	Liquid	11/28/2023 14:20	Chlorine, Total Residual, Specific Conductance
23110578-004	Evaporation Pond #1	Liquid	11/28/2023 14:20	Biochemical Oxygen Demand, Carbonaceous BOD, pH, Total Dissolved Solids, Total Suspended Solids
23110578-005	Evaporation Pond #1	Liquid	11/28/2023 14:20	Cyanide, Total
23110578-006	Evaporation Pond #1	Liquid	11/28/2023 14:20	Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thallium, Zinc
23110578-007	Evaporation Pond #1	Liquid	11/28/2023 14:20	N-Hexane Extractable Material
23110578-008	Evaporation Pond #2	Liquid	11/28/2023 15:05	Ammonia - N, Chemical Oxygen Demand, Phosphorus, Total - P, Total Kjeldahl Nitrogen, Total Organic Nitrogen (calculation)
23110578-009	Evaporation Pond #2	Liquid	11/28/2023 15:05	Chloride, Fluoride, Hexavalent Chromium, Nitrate - N, Sulfate, Trivalent Chromium
23110578-010	Evaporation Pond #2	Liquid	11/28/2023 15:05	Chlorine, Total Residual, Specific Conductance
23110578-011	Evaporation Pond #2	Liquid	11/28/2023 15:05	Biochemical Oxygen Demand, Carbonaceous BOD, pH, Total Dissolved Solids, Total Suspended Solids
23110578-012	Evaporation Pond #2	Liquid	11/28/2023 15:05	Cyanide, Total
23110578-013	Evaporation Pond #2	Liquid	11/28/2023 15:05	Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thallium, Zinc
23110578-014	Evaporation Pond #2	Liquid	11/28/2023 15:05	N-Hexane Extractable Material
23110578-015	Evaporation Pond #1	Liquid	11/28/2023 14:20	Total Organic Carbon
23110578-016	Evaporation Pond #2	Liquid	11/28/2023 15:05	Total Organic Carbon

To the best of my knowledge, all problems/ anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified via associated flags and/ or in the case narrative. The analyses and data met requirements of NELAP except where noted. All non-NELAP methods are identified accordingly and all estimated uncertainties of test results are within method or EPA specifications.

Respectfully submitted,

Chad Cooper
Laboratory Manager



Braun Intertec Corporation
Elena Ford

Analytical Report

Project Name:

Customer Sample ID: **Evaporation Pond #1**

SPL Sample ID: 23110578-001

Matrix: **Liquid**

Sample Received: 11/29/2023

Sample Collected: **11/28/2023 14:20**

Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
General Chemistry								
Ammonia - N	0.2	10.0	175	mg/L	12/04/23 13:30	SM 4500-NH3 D	B.F.	D-1
Chemical Oxygen Demand	25	100	972	mg/L	12/06/23 11:00	410.4	A.T.	D-1
Phosphorus, Total - P	0.01	0.20	12.4	mg/L	12/01/23 10:50	SM 4500-P B,E	B.F.	D-1
Total Kjeldahl Nitrogen	0.1	10.0	318	mg/L	12/04/23 16:00	SM 4500-NH3 B,D	B.F.	D-1
Total Organic Nitrogen	1	1.00	143	mg/L		Calculation		E-5



Braun Intertec Corporation
Elena Ford

Analytical Report

Project Name:

Customer Sample ID: **Evaporation Pond #1**

SPL Sample ID: 23110578-002

Matrix: **Liquid**

Sample Received: 11/29/2023

Sample Collected: **11/28/2023 14:20**

Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
General Chemistry								
Chloride	1	1000	2230	mg/L	11/29/23 18:59	300.0	W.S.	D-1
Fluoride	0.1	10.0	ND	mg/L	11/29/23 15:08	300.0	W.S.	D-1
Chromium, Hexavalent	0.01	0.010	ND	mg/L	11/29/23 13:05	SM 3500-Cr-B	B.F.	
Nitrate - N	0.1	10.0	ND	mg/L	11/29/23 15:08	300.0	W.S.	D-1
Sulfate	1	100	143	mg/L	11/29/23 15:08	300.0	W.S.	D-1
Chromium, Trivalent	0.01	0.010	ND	mg/L		Calculation		E-5



Braun Intertec Corporation
Elena Ford

Analytical Report

Project Name:

Customer Sample ID: **Evaporation Pond #1**

SPL Sample ID: 23110578-003

Matrix: **Liquid**

Sample Received: 11/29/2023

Sample Collected: **11/28/2023 14:20**

Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
General Chemistry								
Chlorine, Total Residual	0.2	10.0	ND	mg/L	11/29/23 16:30	SM 4500-Cl G	B.F.	D-1,S-12
Conductivity	100	100	11500	µmhos/cm	12/04/23 11:40	120.1	B.F.	S-14



Braun Intertec Corporation
Elena Ford

Analytical Report

Project Name:

Customer Sample ID: **Evaporation Pond #1**

SPL Sample ID: 23110578-004

Matrix: **Liquid**

Sample Received: 11/29/2023

Sample Collected: **11/28/2023 14:20**

Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
General Chemistry								
pH	0.1	0.1	8.4	pH Units	11/30/23 16:50	SM 4500-H+B	B.F.	S-12,S-14
Total Dissolved Solids	125	125	7800	mg/L	11/29/23 15:30	SM 2540-C	K.V.	
Total Suspended Solids	33.3	33.3	740	mg/L	11/30/23 10:20	SM 2540-D	K.V.	
Biochemical Oxygen Demand	87	87.0	653	mg/L	11/30/23 16:00	SM 5210-B	A.T.	H-2
<i>Analysis started 49.67 hours after sample collection.</i>								
Carbonaceous Biochemical Oxygen Demand	87	87.0	708	mg/L	11/30/23 10:45	SM 5210-B	A.T.	
<i>Analysis started 44.42 hours after sample collection.</i>								



Braun Intertec Corporation
Elena Ford

Analytical Report

Project Name:

Customer Sample ID: **Evaporation Pond #1**

SPL Sample ID: 23110578-005

Matrix: **Liquid**

Sample Received: 11/29/2023

Sample Collected: **11/28/2023 14:20**

Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
General Chemistry								
Cyanide, Total	0.02	0.02	ND	mg/L	12/01/23 15:00	SM 4500-CN C,E	A.T.	



Braun Intertec Corporation
Elena Ford

Analytical Report

Project Name:

Customer Sample ID: **Evaporation Pond #1**

SPL Sample ID: 23110578-006

Matrix: **Liquid**

Sample Received: 11/29/2023

Sample Collected: **11/28/2023 14:20**

Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
Metals								
<i>Digested by method 200.8 on 12/01/23 at 08:10</i>								
Aluminum	0.02	0.020	0.122	mg/L	12/18/23 17:30	200.8	M.F.	
Antimony	0.005	0.005	ND	mg/L	12/18/23 17:30	200.8	M.F.	
Arsenic	0.005	0.005	0.007	mg/L	12/18/23 17:30	200.8	M.F.	
Barium	0.005	0.005	0.125	mg/L	12/18/23 17:30	200.8	M.F.	
Beryllium	0.005	0.005	ND	mg/L	12/18/23 17:30	200.8	M.F.	
Boron	1	1.00	1.73	mg/L	12/18/23 17:30	200.8	M.F.	
Cadmium	0.001	0.0010	ND	mg/L	12/18/23 17:30	200.8	M.F.	
Chromium	0.005	0.005	ND	mg/L	12/18/23 17:30	200.8	M.F.	
Copper	0.005	0.0050	0.0131	mg/L	12/18/23 17:30	200.8	M.F.	
Lead	0.005	0.005	ND	mg/L	12/18/23 17:30	200.8	M.F.	
Nickel	0.005	0.005	0.010	mg/L	12/18/23 17:30	200.8	M.F.	
Selenium	0.005	0.0050	0.0060	mg/L	12/18/23 17:30	200.8	M.F.	
Silver	0.001	0.001	ND	mg/L	12/18/23 17:30	200.8	M.F.	
Thallium	0.005	0.005	ND	mg/L	12/18/23 17:30	200.8	M.F.	
Zinc	0.005	0.005	0.036	mg/L	12/18/23 17:30	200.8	M.F.	
<i>Digested by method 245.1 on 12/01/23 at 10:26</i>								
Mercury	0.0002	0.0001	ND	mg/L	12/04/23 11:59	245.1	K.E.L.	C-1



Braun Intertec Corporation
Elena Ford

Analytical Report

Project Name:

Customer Sample ID: **Evaporation Pond #1**

SPL Sample ID: 23110578-007

Matrix: **Liquid**

Sample Received: 11/29/2023

Sample Collected: **11/28/2023 14:20**

Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
General Chemistry								
Oil and Grease (HEM)	10	10.0	17.5	mg/L	12/04/23 09:00	1664	W.S.	



Braun Intertec Corporation
Elena Ford

Analytical Report

Project Name:

Customer Sample ID: **Evaporation Pond #2**

SPL Sample ID: 23110578-008

Matrix: **Liquid**

Sample Received: 11/29/2023

Sample Collected: **11/28/2023 15:05**

Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
General Chemistry								
Ammonia - N	0.2	20.0	470	mg/L	12/04/23 13:30	SM 4500-NH3 D	B.F.	D-1
Chemical Oxygen Demand	25	100	1640	mg/L	12/06/23 11:00	410.4	A.T.	D-1
Phosphorus, Total - P	0.01	0.20	17.8	mg/L	12/01/23 10:50	SM 4500-P B,E	B.F.	D-1
Total Kjeldahl Nitrogen	0.1	50.0	700	mg/L	12/04/23 16:00	SM 4500-NH3 B,D	B.F.	D-1
Total Organic Nitrogen	1	1.00	230	mg/L		Calculation		E-5



Braun Intertec Corporation
Elena Ford

Analytical Report

Project Name:

Customer Sample ID: **Evaporation Pond #2**

SPL Sample ID: 23110578-009

Matrix: **Liquid**

Sample Received: 11/29/2023

Sample Collected: **11/28/2023 15:05**

Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
General Chemistry								
Chloride	1	1000	1050	mg/L	11/29/23 19:14	300.0	W.S.	D-1
Fluoride	0.1	10.0	ND	mg/L	11/29/23 15:24	300.0	W.S.	D-1
Chromium, Hexavalent	0.01	0.010	ND	mg/L	11/29/23 13:05	SM 3500-Cr-B	B.F.	
Nitrate - N	0.1	10.0	ND	mg/L	11/29/23 15:24	300.0	W.S.	D-1
Sulfate	1	100	ND	mg/L	11/29/23 15:24	300.0	W.S.	D-1
Chromium, Trivalent	0.01	0.010	ND	mg/L		Calculation		E-5



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Analytical Report

Project Name:

Customer Sample ID: **Evaporation Pond #2**

SPL Sample ID: 23110578-010

Matrix: **Liquid**

Sample Received: 11/29/2023

Sample Collected: **11/28/2023 15:05**

Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
General Chemistry								
Chlorine, Total Residual	0.2	10.0	ND	mg/L	11/29/23 16:30	SM 4500-Cl G	B.F.	S-12,D-1
Conductivity	100	100	8750	µmhos/cm	12/04/23 11:40	120.1	B.F.	S-14



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Elena Ford

Analytical Report

Project Name:

Customer Sample ID: Evaporation Pond #2		Matrix: Liquid						
SPL Sample ID: 23110578-011		Sample Collected: 11/28/2023 15:05						
Sample Received: 11/29/2023								
Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
General Chemistry								
pH	0.1	0.1	8.2	pH Units	11/30/23 16:50	SM 4500-H+B	B.F.	S-12,S-14
Total Dissolved Solids	125	125	4500	mg/L	11/29/23 15:30	SM 2540-C	K.V.	
Total Suspended Solids	50	50.0	850	mg/L	11/30/23 10:20	SM 2540-D	K.V.	
Biochemical Oxygen Demand	87	87.0	720	mg/L	11/30/23 16:00	SM 5210-B	A.T.	H-2
<i>Analysis started 48.92 hours after sample collection.</i>								
Carbonaceous Biochemical Oxygen Demand	87	87.0	695	mg/L	11/30/23 10:45	SM 5210-B	A.T.	
<i>Analysis started 43.67 hours after sample collection.</i>								



Braun Intertec Corporation
Elena Ford

Analytical Report

Project Name:

Customer Sample ID: **Evaporation Pond #2**

SPL Sample ID: 23110578-012

Matrix: **Liquid**

Sample Received: 11/29/2023

Sample Collected: **11/28/2023 15:05**

Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
General Chemistry								
Cyanide, Total	0.02	0.02	ND	mg/L	12/01/23 15:00	SM 4500-CN C,E	A.T.	



Braun Intertec Corporation
Elena Ford

Analytical Report

Project Name:

Customer Sample ID: **Evaporation Pond #2**

SPL Sample ID: 23110578-013

Matrix: **Liquid**

Sample Received: 11/29/2023

Sample Collected: **11/28/2023 15:05**

Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
Metals								
<i>Digested by method 200.8 on 12/01/23 at 08:10</i>								
Aluminum	0.02	0.020	0.149	mg/L	12/18/23 17:34	200.8	M.F.	
Antimony	0.005	0.005	ND	mg/L	12/18/23 17:34	200.8	M.F.	
Arsenic	0.005	0.005	ND	mg/L	12/18/23 17:34	200.8	M.F.	
Barium	0.005	0.005	0.062	mg/L	12/18/23 17:34	200.8	M.F.	
Beryllium	0.005	0.005	ND	mg/L	12/18/23 17:34	200.8	M.F.	
Boron	1	1.00	ND	mg/L	12/18/23 17:34	200.8	M.F.	
Cadmium	0.001	0.0010	ND	mg/L	12/18/23 17:34	200.8	M.F.	
Chromium	0.005	0.005	ND	mg/L	12/18/23 17:34	200.8	M.F.	
Copper	0.005	0.0050	0.0129	mg/L	12/18/23 17:34	200.8	M.F.	
Lead	0.005	0.005	ND	mg/L	12/18/23 17:34	200.8	M.F.	
Nickel	0.005	0.005	ND	mg/L	12/18/23 17:34	200.8	M.F.	
Selenium	0.005	0.0050	ND	mg/L	12/18/23 17:34	200.8	M.F.	
Silver	0.001	0.001	ND	mg/L	12/18/23 17:34	200.8	M.F.	
Thallium	0.005	0.005	ND	mg/L	12/18/23 17:34	200.8	M.F.	
Zinc	0.005	0.005	0.038	mg/L	12/18/23 17:34	200.8	M.F.	
<i>Digested by method 245.1 on 12/01/23 at 10:26</i>								
Mercury	0.0002	0.0001	ND	mg/L	12/04/23 12:02	245.1	K.E.L.	C-1



Braun Intertec Corporation
Elena Ford

Analytical Report

Project Name:

Customer Sample ID: **Evaporation Pond #2**

SPL Sample ID: 23110578-014

Matrix: **Liquid**

Sample Received: 11/29/2023

Sample Collected: **11/28/2023 15:05**

Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
General Chemistry								
Oil and Grease (HEM)	10	10.0	34.9	mg/L	12/04/23 09:00	1664	W.S.	



Order ID: 23110578

Date: 1/2/2024

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Braun Intertec Corporation
Elena Ford

Analytical Report

Project Name:

Customer Sample ID: **Evaporation Pond #1**

SPL Sample ID: 23110578-015

Matrix: **Liquid**

Sample Received: 11/29/2023

Sample Collected: **11/28/2023 14:20**

Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
Subcontract								
Total Organic Carbon								
Total Organic Carbon	1	50.0	281	mg/L	12/01/23 20:01	SM 5310-C	Sub.	L-2,D-1



Braun Intertec Corporation
Elena Ford

Analytical Report

Project Name:

Customer Sample ID: **Evaporation Pond #2**

SPL Sample ID: 23110578-016

Matrix: **Liquid**

Sample Received: 11/29/2023

Sample Collected: **11/28/2023 15:05**

Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
Subcontract								
Total Organic Carbon								
Total Organic Carbon	1	50.0	769	mg/L	12/01/23 20:24	SM 5310-C	Sub.	L-2,D-1



Braun Intertec Corporation
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Sample Cross Reference

Project Name:

Customer ID:	Lab ID:	Test	Method	QCBatchID:
Evaporation Pond #1	23110578-001	Ammonia - N	SM 4500-NH3 D	AMM__03958_L
		Chemical Oxygen Demand	410.4	COD__04026_L
		Phosphorus, Total - P	SM 4500-P B,E	PHOS_13938_L
		Total Kjeldahl Nitrogen	SM 4500-NH3 B,D	TKN__03323_L
Evaporation Pond #1	23110578-002	Hexavalent Chromium	SM 3500-Cr-B	HEXL_02035_L
		Chloride	300.0	IC__10627_L
		Fluoride	300.0	IC__10627_L
		Nitrate - N	300.0	IC__10627_L
		Sulfate	300.0	IC__10627_L
Evaporation Pond #1	23110578-003	Specific Conductance	120.1	COND_07822_L
		Chlorine, Total Residual	SM 4500-Cl G	MISC_02223_L
Evaporation Pond #1	23110578-004	Biochemical Oxygen Demand	SM 5210-B	BOD__04684_L
		Carbonaceous BOD	SM 5210-B	CBOD_05173_L
		pH	SM 4500-H+B	PH__15127_L
		Total Dissolved Solids	SM 2540-C	TDS__11230_L
		Total Suspended Solids	SM 2540-D	TSS__14752_L
Evaporation Pond #1	23110578-005	Cyanide, Total	SM 4500-CN C,E	CYAN_09231_L
Evaporation Pond #1	23110578-006	Mercury	245.1	MERC_04453_L
		Copper	200.8	META_12185_L
		Zinc	200.8	META_12185_L
		Thallium	200.8	META_12185_L
		Silver	200.8	META_12185_L
		Selenium	200.8	META_12185_L
		Nickel	200.8	META_12185_L
		Lead	200.8	META_12185_L
		Chromium	200.8	META_12185_L
		Cadmium	200.8	META_12185_L
		Boron	200.8	META_12185_L
		Beryllium	200.8	META_12185_L
		Barium	200.8	META_12185_L
		Arsenic	200.8	META_12185_L
		Aluminum	200.8	META_12185_L
		Antimony	200.8	META_12185_L
Evaporation Pond #1	23110578-007	N-Hexane Extractable Material	1664	ONG__07128_L
Evaporation Pond #2	23110578-008	Ammonia - N	SM 4500-NH3 D	AMM__03958_L
		Chemical Oxygen Demand	410.4	COD__04026_L
		Phosphorus, Total - P	SM 4500-P B,E	PHOS_13938_L
		Total Kjeldahl Nitrogen	SM 4500-NH3 B,D	TKN__03323_L
Evaporation Pond #2	23110578-009	Hexavalent Chromium	SM 3500-Cr-B	HEXL_02035_L
		Chloride	300.0	IC__10627_L
		Fluoride	300.0	IC__10627_L
		Nitrate - N	300.0	IC__10627_L
		Sulfate	300.0	IC__10627_L
Evaporation Pond #2	23110578-010	Specific Conductance	120.1	COND_07822_L
		Chlorine, Total Residual	SM 4500-Cl G	MISC_02223_L
Evaporation Pond #2	23110578-011	Biochemical Oxygen Demand	SM 5210-B	BOD__04684_L



Braun Intertec Corporation
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Sample Cross Reference

Project Name:

Customer ID:	Lab ID:	Test	Method	QCBatchID:
		Carbonaceous BOD	SM 5210-B	CBOD_05173_L
		pH	SM 4500-H+B	PH__15127_L
		Total Dissolved Solids	SM 2540-C	TDS__11230_L
		Total Suspended Solids	SM 2540-D	TSS__14752_L
Evaporation Pond #2	23110578-012	Cyanide, Total	SM 4500-CN C,E	CYAN_09231_L
Evaporation Pond #2	23110578-013	Mercury	245.1	MERC_04453_L
		Copper	200.8	META_12185_L
		Zinc	200.8	META_12185_L
		Thallium	200.8	META_12185_L
		Silver	200.8	META_12185_L
		Selenium	200.8	META_12185_L
		Nickel	200.8	META_12185_L
		Lead	200.8	META_12185_L
		Chromium	200.8	META_12185_L
		Cadmium	200.8	META_12185_L
		Boron	200.8	META_12185_L
		Beryllium	200.8	META_12185_L
		Barium	200.8	META_12185_L
		Arsenic	200.8	META_12185_L
		Aluminum	200.8	META_12185_L
		Antimony	200.8	META_12185_L
Evaporation Pond #2	23110578-014	N-Hexane Extractable Material	1664	ONG__07128_L
Evaporation Pond #1	23110578-015	Total Organic Carbon	SM 5310-C	SUB__28323_L
Evaporation Pond #2	23110578-016	Total Organic Carbon	SM 5310-C	SUB__28323_L



Braun Intertec Corporation
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QC Summary

Project Name:

QC Type	Parameter	Result	Reference Value	Spike Conc	Rec	Rec Limits	RPD	RPD Limits	Flags
QCBatchID AMM_03958_L									
Blank	Ammonia - N	ND mg/L							
LCS	Ammonia - N	2.03 mg/L		1.96 mg/L	104%	90-110%			
LCSD	Ammonia - N	2.04 mg/L		1.96 mg/L	104%	90-110%	0.5%	0-20%	
MS	Ammonia - N	1.96 mg/L	ND	1.96 mg/L	100%	80-120%			
MSD	Ammonia - N	2.04 mg/L	ND	1.96 mg/L	104%	80-120%	4.0%	0-20%	
QCBatchID BOD_04684_L									
Blank	Biochemical Oxygen Demand	ND mg/L							
LCS	Biochemical Oxygen Demand	196 mg/L		198 mg/L	99%	85-115%			
Replicate	Biochemical Oxygen Demand	294 mg/L	297 mg/L				1.0%	0-20%	
QCBatchID CBOD_05173_L									
Blank	Carbonaceous Biochemical Oxygen Demand	ND mg/L							
LCS	Carbonaceous Biochemical Oxygen Demand	195 mg/L		198 mg/L	99%	85-115%			
Replicate	Carbonaceous Biochemical Oxygen Demand	ND mg/L	ND				0.0%	0-20%	
QCBatchID COD_04026_L									
Blank	Chemical Oxygen Demand	ND mg/L							
LCS	Chemical Oxygen Demand	470 mg/L		500 mg/L	94%	90-110%			
LCSD	Chemical Oxygen Demand	479 mg/L		500 mg/L	96%	90-110%	1.8%	0-20%	
MS	Chemical Oxygen Demand	998 mg/L	75.5 mg/L	1000 mg/L	92%	80-120%			
MSD	Chemical Oxygen Demand	1010 mg/L	75.5 mg/L	1000 mg/L	93%	80-120%	1.1%	0-20%	
QCBatchID COND_07822_L									
Blank	Conductivity	ND µmhos/cm							
LCS	Conductivity	498 µmhos/cm		500 µmhos/cm	100%	90-110%			
LCSD	Conductivity	505 µmhos/cm		500 µmhos/cm	101%	90-110%	1.4%	0-25%	
Replicate	Conductivity	3700 µmhos/cm	3600 µmhos/cm				2.7%	0-25%	
QCBatchID CYAN_09231_L									
Blank	Cyanide, Total	ND mg/L							
LCS	Cyanide, Total	0.18 mg/L		0.2 mg/L	92%	90-110%			
LCSD	Cyanide, Total	0.18 mg/L		0.2 mg/L	92%	90-110%	1.7%	0-20%	
MS	Cyanide, Total	0.18 mg/L	ND	0.2 mg/L	90%	80-120%			
MSD	Cyanide, Total	0.18 mg/L	ND	0.2 mg/L	90%	80-120%	0.0%	0-20%	
QCBatchID HEXL_02035_L									



Braun Intertec Corporation
Elena Ford

QC Summary

Project Name:

QC Type	Parameter	Result	Reference Value	Spike Conc	Rec	Rec Limits	RPD	RPD Limits	Flags
QCBatchID HEXL_02035_L									
Blank	Chromium, Hexavalent	ND mg/L							
LCS	Chromium, Hexavalent	0.101 mg/L		0.1 mg/L	101%	90-110%			
LCSD	Chromium, Hexavalent	0.103 mg/L		0.1 mg/L	103%	90-110%	2.0%	0-20%	
MS	Chromium, Hexavalent	0.096 mg/L	ND	0.1 mg/L	96%	80-120%			
MSD	Chromium, Hexavalent	0.090 mg/L	ND	0.1 mg/L	90%	80-120%	6.5%	0-20%	
QCBatchID IC_10627_L									
Blank	Chloride	ND mg/L							
	Fluoride	ND mg/L							
	Nitrate - N	ND mg/L							
	Sulfate	ND mg/L							
LCS	Chloride	2.87 mg/L		3 mg/L	96%	90-110%			
	Fluoride	1.91 mg/L		2 mg/L	96%	90-110%			
	Sulfate	14.2 mg/L		15 mg/L	95%	90-110%			
	Nitrate - N	2.97 mg/L		3 mg/L	99%	90-110%			
LCSD	Chloride	2.91 mg/L		3 mg/L	97%	90-110%	1.4%	0-20%	
	Fluoride	1.91 mg/L		2 mg/L	96%	90-110%	0.0%	0-20%	
	Sulfate	14.3 mg/L		15 mg/L	96%	90-110%	1.0%	0-20%	
	Nitrate - N	2.97 mg/L		3 mg/L	99%	90-110%	0.0%	0-20%	
MS	Chloride	6.61 mg/L	3.77 mg/L	3 mg/L	95%	80-120%			
	Fluoride	1.92 mg/L	ND	2 mg/L	96%	80-120%			
	Sulfate	14.6 mg/L	ND	15 mg/L	97%	80-120%			
	Nitrate - N	3.01 mg/L	ND	3 mg/L	100%	80-120%			
MSD	Chloride	6.49 mg/L	3.77 mg/L	3 mg/L	91%	80-120%	1.8%	0-20%	
	Fluoride	1.92 mg/L	ND	2 mg/L	96%	80-120%	0.0%	0-20%	
	Sulfate	14.6 mg/L	ND	15 mg/L	97%	80-120%	0.0%	0-20%	
	Nitrate - N	3.01 mg/L	ND	3 mg/L	100%	80-120%	0.0%	0-20%	
QCBatchID MISC_02223_L									
Blank	Chlorine, Total Residual	ND mg/L							
Replicate	Chlorine, Total Residual	ND mg/L	ND				0.0%	0-25%	
QCBatchID ONG_07128_L									
Blank	Oil and Grease (HEM)	ND mg/L							
LCS	Oil and Grease (HEM)	32.7 mg/L		40 mg/L	82%	78-114%			
LCSD	Oil and Grease (HEM)	33.8 mg/L		40 mg/L	85%	78-114%	3.3%	0-18%	
MS	Oil and Grease (HEM)	33.3 mg/L	ND	39.2 mg/L	85%	78-114%			
MSD	Oil and Grease (HEM)	35.9 mg/L	ND	39.2 mg/L	92%	78-114%	7.5%	0-18%	
QCBatchID PH_15127_L									
LCS	pH	7.0 pH Units		7 pH Units	101%	98-102%			
LCSD	pH	7.0 pH Units		7 pH Units	101%	98-102%	0.6%	0-10%	
Replicate	pH	6.1 pH Units	6.0 pH Units				1.7%	0-10%	
QCBatchID PHOS_13938_L									



Braun Intertec Corporation
Elena Ford

QC Summary

Project Name:

QC Type	Parameter	Result	Reference Value	Spike Conc	Rec	Rec Limits	RPD	RPD Limits	Flags
QCBatchID PHOS_13938_L									
Blank	Phosphorus, Total - P	ND mg/L							
LCS	Phosphorus, Total - P	0.48 mg/L		0.5 mg/L	97%	90-110%			
LCSD	Phosphorus, Total - P	0.51 mg/L		0.5 mg/L	102%	90-110%	6.5%	0-20%	
MS	Phosphorus, Total - P	5.17 mg/L	0.33 mg/L	5 mg/L	97%	80-120%			
MSD	Phosphorus, Total - P	5.25 mg/L	0.33 mg/L	5 mg/L	98%	80-120%	1.5%	0-20%	
QCBatchID TDS_11230_L									
Blank	Total Dissolved Solids	ND mg/L							
LCS	Total Dissolved Solids	995 mg/L		1000 mg/L	100%	90-110%			
LCSD	Total Dissolved Solids	985 mg/L		1000 mg/L	99%	90-110%	1.0%	0-5%	
Replicate	Total Dissolved Solids	605 mg/L	610 mg/L				0.8%	0-5%	
QCBatchID TKN_03323_L									
Blank	Total Kjeldahl Nitrogen	ND mg/L							
LCS	Total Kjeldahl Nitrogen	10.2 mg/L		10 mg/L	103%	90-110%			
LCSD	Total Kjeldahl Nitrogen	9.95 mg/L		10 mg/L	100%	90-110%	2.5%	0-20%	
MS	Total Kjeldahl Nitrogen	125 mg/L	25.5 mg/L	100 mg/L	100%	80-120%			
MSD	Total Kjeldahl Nitrogen	119 mg/L	25.5 mg/L	100 mg/L	94%	80-120%	4.9%	0-20%	
QCBatchID TSS_14752_L									
Blank	Total Suspended Solids	ND mg/L							
LCS	Total Suspended Solids	489 mg/L		500 mg/L	98%	85-115%			
LCSD	Total Suspended Solids	487 mg/L		500 mg/L	97%	85-115%	0.4%	0-15%	
Replicate	Total Suspended Solids	220 mg/L	233 mg/L				5.7%	0-15%	
QCBatchID MERC_04453_L									
Blank	Mercury	ND mg/L							
LCS	Mercury	0.0103 mg/L		0.01 mg/L	103%	85-115%			
LCSD	Mercury	0.0102 mg/L		0.01 mg/L	102%	85-115%	1.0%	0-25%	
MS	Mercury	0.0102 mg/L	ND	0.01 mg/L	102%	80-120%			
MSD	Mercury	0.0103 mg/L	ND	0.01 mg/L	103%	80-120%	1.0%	0-25%	
QCBatchID META_12185_L									
Blank	Aluminum	ND mg/L							
	Antimony	ND mg/L							
	Arsenic	ND mg/L							
	Barium	ND mg/L							
	Beryllium	ND mg/L							
	Boron	ND mg/L							
	Cadmium	ND mg/L							
	Chromium	ND mg/L							
	Copper	ND mg/L							
	Lead	ND mg/L							
	Nickel	ND mg/L							
	Selenium	ND mg/L							



Braun Intertec Corporation
Elena Ford

QC Summary

Project Name:

QC Type	Parameter	Result	Reference Value	Spike Conc	Rec	Rec Limits	RPD	RPD Limits	Flags
QCBatchID META_12185_L									
	Silver	ND mg/L							
	Thallium	ND mg/L							
	Zinc	ND mg/L							
LCS	Aluminum	5.25 mg/L		5.5 mg/L	96%	85-115%			
	Antimony	0.463 mg/L		0.5 mg/L	93%	85-115%			
	Arsenic	0.489 mg/L		0.5 mg/L	98%	85-115%			
	Barium	0.460 mg/L		0.5 mg/L	92%	85-115%			
	Beryllium	0.509 mg/L		0.5 mg/L	102%	85-115%			
	Boron	1.00 mg/L		1 mg/L	100%	85-115%			
	Cadmium	0.4867 mg/L		0.5 mg/L	97%	85-115%			
	Chromium	0.511 mg/L		0.5 mg/L	102%	85-115%			
	Copper	0.5326 mg/L		0.5 mg/L	107%	85-115%			
	Lead	0.496 mg/L		0.5 mg/L	99%	85-115%			
	Nickel	0.509 mg/L		0.5 mg/L	102%	85-115%			
	Selenium	0.4642 mg/L		0.5 mg/L	93%	85-115%			
	Silver	0.479 mg/L		0.5 mg/L	96%	85-115%			
	Thallium	0.501 mg/L		0.5 mg/L	100%	85-115%			
	Zinc	0.481 mg/L		0.5 mg/L	96%	85-115%			
LCSD	Aluminum	5.36 mg/L		5.5 mg/L	97%	85-115%	1.9%	0-20%	
	Antimony	0.480 mg/L		0.5 mg/L	96%	85-115%	3.7%	0-20%	
	Arsenic	0.485 mg/L		0.5 mg/L	97%	85-115%	0.9%	0-20%	
	Barium	0.477 mg/L		0.5 mg/L	95%	85-115%	3.7%	0-20%	
	Beryllium	0.515 mg/L		0.5 mg/L	103%	85-115%	1.3%	0-20%	
	Boron	0.98 mg/L		1 mg/L	98%	85-115%	2.0%	0-20%	
	Cadmium	0.5192 mg/L		0.5 mg/L	104%	85-115%	6.5%	0-20%	
	Chromium	0.525 mg/L		0.5 mg/L	105%	85-115%	2.6%	0-20%	
	Copper	0.5379 mg/L		0.5 mg/L	108%	85-115%	1.0%	0-20%	
	Lead	0.503 mg/L		0.5 mg/L	101%	85-115%	1.3%	0-20%	
	Nickel	0.514 mg/L		0.5 mg/L	103%	85-115%	1.0%	0-20%	
	Selenium	0.4881 mg/L		0.5 mg/L	98%	85-115%	5.0%	0-20%	
	Silver	0.548 mg/L		0.5 mg/L	110%	85-115%	9.8%	0-20%	
	Thallium	0.535 mg/L		0.5 mg/L	107%	85-115%	6.5%	0-20%	
	Zinc	0.479 mg/L		0.5 mg/L	96%	85-115%	0.4%	0-20%	
MS	Aluminum	5.56 mg/L	0.086 mg/L	5.5 mg/L	100%	80-120%			
	Antimony	0.492 mg/L	ND	0.5 mg/L	98%	80-120%			
	Arsenic	0.494 mg/L	ND	0.5 mg/L	99%	80-120%			
	Barium	0.500 mg/L	ND	0.5 mg/L	100%	80-120%			
	Beryllium	0.525 mg/L	ND	0.5 mg/L	105%	80-120%			
	Boron	1.25 mg/L	0.25 mg/L	1 mg/L	100%	80-120%			
	Cadmium	0.5061 mg/L	ND	0.5 mg/L	101%	80-120%			
	Chromium	0.529 mg/L	ND	0.5 mg/L	106%	80-120%			
	Copper	0.5342 mg/L	ND	0.5 mg/L	107%	80-120%			
	Lead	0.535 mg/L	0.026 mg/L	0.5 mg/L	102%	80-120%			
	Nickel	0.533 mg/L	ND	0.5 mg/L	107%	80-120%			



Braun Intertec Corporation
Elena Ford

QC Summary

Project Name:

QC Type	Parameter	Result	Reference Value	Spike Conc	Rec	Rec Limits	RPD	RPD Limits	Flags
QCBatchID META_12185_L									
	Selenium	0.4902 mg/L	ND	0.5 mg/L	98%	80-120%			
	Silver	0.527 mg/L	0.002 mg/L	0.5 mg/L	105%	80-120%			
	Thallium	0.518 mg/L	ND	0.5 mg/L	104%	80-120%			
	Zinc	0.494 mg/L	ND	0.5 mg/L	99%	80-120%			
MSD	Aluminum	5.48 mg/L	0.086 mg/L	5.5 mg/L	98%	80-120%	1.4%	0-20%	
	Antimony	0.468 mg/L	ND	0.5 mg/L	94%	80-120%	5.0%	0-20%	
	Arsenic	0.484 mg/L	ND	0.5 mg/L	97%	80-120%	2.1%	0-20%	
	Barium	0.475 mg/L	ND	0.5 mg/L	95%	80-120%	5.1%	0-20%	
	Beryllium	0.512 mg/L	ND	0.5 mg/L	102%	80-120%	2.5%	0-20%	
	Boron	1.25 mg/L	0.25 mg/L	1 mg/L	100%	80-120%	0.0%	0-20%	
	Cadmium	0.5162 mg/L	ND	0.5 mg/L	103%	80-120%	2.0%	0-20%	
	Chromium	0.511 mg/L	ND	0.5 mg/L	102%	80-120%	3.5%	0-20%	
	Copper	0.5234 mg/L	ND	0.5 mg/L	105%	80-120%	2.0%	0-20%	
	Lead	0.522 mg/L	0.026 mg/L	0.5 mg/L	99%	80-120%	2.5%	0-20%	
	Nickel	0.526 mg/L	ND	0.5 mg/L	105%	80-120%	1.3%	0-20%	
	Selenium	0.4777 mg/L	ND	0.5 mg/L	96%	80-120%	2.6%	0-20%	
	Silver	0.521 mg/L	0.002 mg/L	0.5 mg/L	104%	80-120%	1.1%	0-20%	
	Thallium	0.500 mg/L	ND	0.5 mg/L	100%	80-120%	3.6%	0-20%	
	Zinc	0.491 mg/L	ND	0.5 mg/L	98%	80-120%	0.6%	0-20%	
QCBatchID SUB_28323_L									
Blank	Total Organic Carbon	ND mg/L							
LCS	Total Organic Carbon	5.14 mg/L		5 mg/L	103%	78-119%			
MS	Total Organic Carbon	14.8 mg/L	4.28 mg/L	10 mg/L	105%	85-115%			
MSD	Total Organic Carbon	14.7 mg/L	4.28 mg/L	10 mg/L	104%	85-115%	0.7%	0-20%	



Braun Intertec Corporation
Elena Ford

Case Narrative

Project Name:

C-1	SDL / SQL lowered by means of initial sample aliquot adjustment.
D-1	Elevated reporting limit(s) due to dilution. Dilution resulted from sample matrix interference, high target analyte(s), high non-target analyte(s) or a combination thereof.
E-5	Calculation not available under scope of NELAP accreditation.
H-2	Sample analyzed outside the EPA recommended holding time for the requested analysis.
L-2	Analysis performed by T104704201
S-12	Sample should be analyzed as soon as possible and preferably at the time of collection.
S-14	Reported @ 25.0 °C
ppm	Parts per million = mg/Kg or mg/L
ppb	Parts per billion = ug/Kg or ug/L
MQL	Method quantitation limit
SDL	Sample detection limit (reflects any laboratory adjustments made to the sample during analysis such as dry weight or dilutions)
SQL	Sample quantitation limit (reflects any laboratory adjustments made to the sample during analysis such as dry weight or dilution)
ND	Analyte not detected at or above SQL
LCS/LCSD	Laboratory control spike / Laboratory control spike duplicate
MS/MSD	Matrix spike / Matrix spike duplicate
RPD	Relative percent difference
Sub	Analysis performed by subcontract laboratory

Solid samples submitted to the laboratory for analysis by SW-846 Method 8260 should be collected by SW-846 Method 5035. Those samples in which concentrations are less than or equal to 200 ug/kg should be collected in accordance with SW-846 Method 5035, Section 6.2.1. For samples with higher concentrations (> 200 ug/kg), collect samples by SW-846 Method 5035, Section 6.2.2 or 6.2.3. Sample results may not accurately reflect volatile concentrations if collection is not performed according to the referenced methodologies.

Solid samples submitted to the laboratory for analysis by TNRCC Method 1005 should be collected in accordance to the methodology. Those samples in which concentrations of C6 to C12 are known to be absent, or fall under the Petroleum Storage Tank (PST) rule, may be collected in bulk sample jars in accordance with TNRCC Method 1005, Revision 3 clarifications. For samples with concentrations of C6 to C12, or where knowledge of the site does not exist, collect samples by TNRCC Method 1005, Section 6.1. Sample results may not accurately reflect TPH concentrations if collection is not performed according to the referenced methodologies.

Solid sample results reported on a dry weight basis for all applicable analysis, unless otherwise noted. Dry weight calculations based upon % solids obtained as outlined in EPA method 5035 section 7.5.

Sample pH Verification: Prior to extracting for Oil and Grease (HEM), the pH of sample 23110578-014 had a pH >2. The sample was acidified and then extracted.

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Southern Petroleum Laboratories, Inc. certifies to the best of its knowledge that all results contained in this report are consistent with the National Environmental Laboratory Accreditation Program, except where otherwise noted.



Braun Intertec Corporation
Elena Ford

Sample Preservation Verification

Project Name:

Receipt temp: **1.3 °C on Ice**

Receipt method: **Fed Ex**

Custody seal intact: **Not Present**

All samples / labels received intact: **Yes**

Customer Sample ID: **Evaporation Pond #1**

Collected By: **Andri Hartono**

SPL Sample ID: **23110578-001**

Collector Affiliation: **Braun Intertec Corporation**

Collected: **11/28/23 14:20**

Matrix: **Liquid**

<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
250 mL Plastic	1	Grab		H2SO4	<2

Customer Sample ID: **Evaporation Pond #1**

Collected By: **Andri Hartono**

SPL Sample ID: **23110578-002**

Collector Affiliation: **Braun Intertec Corporation**

Collected: **11/28/23 14:20**

Matrix: **Liquid**

<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
250 mL Plastic	2	Grab		Temp	-

Customer Sample ID: **Evaporation Pond #1**

Collected By: **Andri Hartono**

SPL Sample ID: **23110578-003**

Collector Affiliation: **Braun Intertec Corporation**

Collected: **11/28/23 14:20**

Matrix: **Liquid**

<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
250 mL Plastic	1	Grab		Temp	-

Customer Sample ID: **Evaporation Pond #1**

Collected By: **Andri Hartono**

SPL Sample ID: **23110578-004**

Collector Affiliation: **Braun Intertec Corporation**

Collected: **11/28/23 14:20**

Matrix: **Liquid**

<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
1000 mL Plastic	2	Grab		Temp	-
Half Gallon	2	Grab		Temp	-

Customer Sample ID: **Evaporation Pond #1**

Collected By: **Andri Hartono**

SPL Sample ID: **23110578-005**

Collector Affiliation: **Braun Intertec Corporation**

Collected: **11/28/23 14:20**

Matrix: **Liquid**

<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
250 mL Plastic	1	Grab		NaOH	>12



Braun Intertec Corporation
Elena Ford

Sample Preservation Verification

Project Name:

Customer Sample ID: Evaporation Pond #1			Collected By: Andri Hartono		
SPL Sample ID: 23110578-006			Collector Affiliation: Braun Intertec Corporation		
Collected: 11/28/23 14:20			Matrix: Liquid		
<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
250 mL Plastic	1	Grab		HNO3	<2
Customer Sample ID: Evaporation Pond #1			Collected By: Andri Hartono		
SPL Sample ID: 23110578-007			Collector Affiliation: Braun Intertec Corporation		
Collected: 11/28/23 14:20			Matrix: Liquid		
<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
500 mL Amber	1	Grab		H2SO4	*
* Preservation verified at analysis					
Customer Sample ID: Evaporation Pond #2			Collected By: Andri Hartono		
SPL Sample ID: 23110578-008			Collector Affiliation: Braun Intertec Corporation		
Collected: 11/28/23 15:05			Matrix: Liquid		
<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
250 mL Plastic	1	Grab		H2SO4	<2
Customer Sample ID: Evaporation Pond #2			Collected By: Andri Hartono		
SPL Sample ID: 23110578-009			Collector Affiliation: Braun Intertec Corporation		
Collected: 11/28/23 15:05			Matrix: Liquid		
<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
250 mL Plastic	2	Grab		Temp	-
Customer Sample ID: Evaporation Pond #2			Collected By: Andri Hartono		
SPL Sample ID: 23110578-010			Collector Affiliation: Braun Intertec Corporation		
Collected: 11/28/23 15:05			Matrix: Liquid		
<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
250 mL Plastic	1	Grab		Temp	-
Customer Sample ID: Evaporation Pond #2			Collected By: Andri Hartono		
SPL Sample ID: 23110578-011			Collector Affiliation: Braun Intertec Corporation		
Collected: 11/28/23 15:05			Matrix: Liquid		
<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
1000 mL Plastic	2	Grab		Temp	-
Half Gallon	2	Grab		Temp	-



Braun Intertec Corporation
Elena Ford

Sample Preservation Verification

Project Name:

Customer Sample ID: **Evaporation Pond #2**

SPL Sample ID: **23110578-012**

Collected: **11/28/23 15:05**

Collected By: **Andri Hartono**

Collector Affiliation: **Braun Intertec Corporation**

Matrix: **Liquid**

<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
250 mL Plastic	1	Grab		NaOH	>12

Customer Sample ID: **Evaporation Pond #2**

SPL Sample ID: **23110578-013**

Collected: **11/28/23 15:05**

Collected By: **Andri Hartono**

Collector Affiliation: **Braun Intertec Corporation**

Matrix: **Liquid**

<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
250 mL Plastic	1	Grab		HNO3	<2

Customer Sample ID: **Evaporation Pond #2**

SPL Sample ID: **23110578-014**

Collected: **11/28/23 15:05**

Collected By: **Andri Hartono**

Collector Affiliation: **Braun Intertec Corporation**

Matrix: **Liquid**

<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
500 mL Amber	1	Grab		H2SO4	*

** Preservation verified at analysis*

Customer Sample ID: **Evaporation Pond #1**

SPL Sample ID: **23110578-015**

Collected: **11/28/23 14:20**

Collected By: **Andri Hartono**

Collector Affiliation: **Braun Intertec Corporation**

Matrix: **Liquid**

<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
250 mL Plastic	1	Grab		H2SO4	<2

Customer Sample ID: **Evaporation Pond #2**

SPL Sample ID: **23110578-016**

Collected: **11/28/23 15:05**

Collected By: **Andri Hartono**

Collector Affiliation: **Braun Intertec Corporation**

Matrix: **Liquid**

<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
250 mL Plastic	1	Grab		H2SO4	<2

Sample conditions at time of receipt at laboratory verified in part or in whole by:

A.H.



SPL



Order ID: 23110578

Date: 1/2/2024

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Documentation

PROJECT DESCRIPTION:



SPL

Chain of Custody Record

1825 East Plano Parkway
Suite 160
Plano, TX 75074
P: (972) 424-6422
environmental.customerservice@SPL-inc.com

Page 1 of 2

Send Report To			Project / Report Information		
Company Name Braun Intertec			Circle Requested Turn Around Time (Less than 2 Days must be verified with lab) <input checked="" type="checkbox"/> 7-10 Days <input type="checkbox"/> RUSH <input type="checkbox"/> 5-7 Days <input type="checkbox"/> 3-4 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> ASAP		
Address 714 S. Greenville Ave. Ste. 160			Project Name		
City Allen	State TX	Zip 75002	Project Location		
Contact Name Elena Ford			Project #		PO #
Contact Email			Sampler Name Andri Hartono		Sampler Company Braun Intertec
Phone 817.886.4465			Sampler Signature <i>[Signature]</i>		
Fax					
Send Invoice To (Only if Different from above)			Matrix Codes		
Company Name Braun Intertec			L - Liquid S - Solid W - Wipes A - Air		
Address 714 S. Greenville Ave. Ste. 160			Preservation Codes 1 - None 4 - HCl 2 - HNO ₃ 5 - NaOH 3 - H ₂ SO ₄ 6 - Ice 7 - Other		
City Allen	State TX	Zip 75002	Special Instructions * The amount of bottles sent by the lab were not sufficient. 2 of 0.5 gallons sample were added.		
Contact Name Elena Ford			*Please confirm conditional requests prior to additional analysis		
Phone 817.886.4465			Fax		
			Requested Analysis		
			<input type="checkbox"/> Ammonia, COD, Total Phosphorus, TDN <input type="checkbox"/> Chloride, Sulfate, Fluoride, Manganese, Iron, Cadmium, Chromium <input type="checkbox"/> Specific Conductance, Total Residual Chlorine <input type="checkbox"/> BOD, CBOD, TSS, TDS, pH <input type="checkbox"/> Cyanide <input type="checkbox"/> Al, Si, As, Ba, Be, B, Cd, Cr <input type="checkbox"/> Cu, Pb, Ni, Se, Ag, Ti, Zn, Hg <input type="checkbox"/> Oil and Grease <input type="checkbox"/> Total Solids / Dry Weight <input type="checkbox"/> Laboratory Review Checklist <input type="checkbox"/> Chromatograms / Data Pages		

SPL Order ID	Customer Sample ID	Sample Info		Matrix	# of Containers	Container Type	Pres Code	(G)omp / (G)rab	Parts / Interval	Hold	Ammonia, COD, Total Phosphorus, TDN	Chloride, Sulfate, Fluoride, Manganese, Iron, Cadmium, Chromium	Specific Conductance, Total Residual Chlorine	BOD, CBOD, TSS, TDS, pH	Cyanide	Al, Si, As, Ba, Be, B, Cd, Cr	Cu, Pb, Ni, Se, Ag, Ti, Zn, Hg	Oil and Grease	Total Solids / Dry Weight	Laboratory Review Checklist	Chromatograms / Data Pages
		Date	Time																		
23110578																					
001	1 Evaporation Pond #1	11/28/23	1420	L	1	P	3	G													
002	2 Evaporation Pond #1			L	1	P	6	G													
003	3 Evaporation Pond #1			L	1	P	6	G													
004	4 Evaporation Pond #1			L	4	P	6	G													
005	5 Evaporation Pond #1			L	1	P	5	G													
006	6 Evaporation Pond #1			L	1	P	2	G													
007	7 Evaporation Pond #1			L	1	G	3	G													
008	8 Evaporation Pond #2		1505	L	1	P	3	G													
009	9 Evaporation Pond #2			L	1	P	6	G													
010	10 Evaporation Pond #2			L	1	P	6	G													
011	11 Evaporation Pond #2			L	4	P	6	G													
012	12 Evaporation Pond #2			L	1	P	5	G													
013	13 Evaporation Pond #2			L	1	P	2	G													
014	14 Evaporation Pond #2			L	1	G	3	G													
	15																				

Relinquished by X Andri Hartono	Affiliation Braun Intertec	Date 11/28/23	Time 1715	Received by X	Affiliation SPL	Date 1/2/24	Time 1015
Relinquished by X	Affiliation	Date	Time	Received by X	Affiliation	Date	Time
Relinquished by X	Affiliation	Date	Time	Received for SPL by X	Affiliation	Date	Time

092222 - Rev. 5.0

Submission of samples signifies acceptance of SPL's Standard Terms and Conditions.
SPL cannot accept verbal changes to this document. Please fax or email written modifications.

Temp at Receipt 10.3 °C
01/02/24



SPL



Order ID: 23110578

Date: 1/2/2024

Page 30 of 30

Documentation

PROJECT DESCRIPTION:



Chain of Custody Record

1825 East Plano Parkway
Suite 160
Plano, TX 75074
P: (972) 424-6422
environmental.customerservice@SPL-inc.com

Page 2 of 2

Send Report To			Project / Report Information		
Company Name Braun Intertec			Circle Requested Turn Around Time (Less than 2 Days must be verified with lab) <input checked="" type="checkbox"/> 7-10 Days <input type="checkbox"/> RUSH <input type="checkbox"/> 5-7 Days <input type="checkbox"/> 3-4 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> ASAP		
Address 714 S. Greenville Ave. Ste. 160			Project Name		
City Allen	State TX	Zip 75002	Project Location		
Contact Name Elena Ford			Project #		PO #
Contact Email			Sampler Name Andri Hartono		Sampler Company Braun Intertec
Phone 817.886.4465			Sampler Signature <i>[Signature]</i>		
Fax			Matrix Codes		
Send Invoice To (Only if Different from above)			L - Liquid S - Solid W - Wipes A - Air Preservation Codes 1 - None 4 - HCl 2 - HNO ₃ 5 - NaOH 3 - H ₂ SO ₄ 6 - Ice 7 - Other		
Company Name Braun Intertec			Special Instructions The amount of bottles sent by the lab were not sufficient. 2 of 0.5 gallon sample were added.		
Address 714 S. Greenville Ave. Ste. 160			*Please confirm conditional requests prior to additional analysis		
City Allen	State TX	Zip 75002	Requested Analysis		
Contact Name Elena Ford			Container Codes P - Plastic G - Glass O - Other		
Phone 817.886.4465			Fax		

SPL Order ID	Customer Sample ID	Sample Info		Matrix	# of Containers	Container Type	Pres Code	(Comp / G) Lab	Parts / Interval	Hold	Fecal Coliform	Toluene	Petroleum Hexanal (subcontracted)	TOC	Total Solids / Dry Weight	Laboratory Review Checklist	Chromatograms / Data Pages
		Date	Time														
23110578	1	Evaporation Pond #1	11/28/23	11:20	L	1	P	7	G		✓						
	2	Evaporation Pond #1			L	3	G	6	G			✓					
	3	Evaporation Pond #1			L	2	G	6	G				✓				
	015	Evaporation Pond #1			L	1	P	3	G					✓			
	5	Evaporation Pond #2		15:05	L	1	P	7	G		✓						
	6	Evaporation Pond #2			L	3	G	6	G			✓					
	7	Evaporation Pond #2			L	2	G	6	G				✓				
	016	Evaporation Pond #2			L	1	P	3	G					✓			
	9																
	10																
	11																
	12																
	13																
	14																
	15																

Relinquished by x Andri Hartono <i>[Signature]</i>	Affiliation	Date 11/28/23	Time 17:15	Received by x	Affiliation	Date	Time
Relinquished by x	Affiliation	Date	Time	Received by x	Affiliation	Date	Time
Relinquished by x	Affiliation	Date	Time	Received for SPL by x <i>[Signature]</i>	Affiliation	Date 11/29/23	Time 10:15

092222 - Rev. 5.0

Submission of samples signifies acceptance of SPL's Standard Terms and Conditions.
SPL cannot accept verbal changes to this document. Please fax or email written modifications.

Temp at Receipt 1.3 °C
00-320

Attachment O

Evaporation Calculations

**Attachment O - Average Condition Evaluation for
Evaporation Lagoons and Emergency Overflow Lagoons
Nutri-Feeds, L.L.C.
3261 Tierra Blanca Road
Hereford, Texas**

Average Condition Evaluation						
Month	# of days	Effluent flow	¹ Flow to Ponds (acre-feet)	² Evaporation Rate (inches to feet)	³ Evaporation from Ponds (acre-feet)	⁴ Storage Requirement (acre-feet)
January	31	0.288	27.40	0.18	14.85	12.55
February	28	0.288	24.75	0.24	19.73	5.01
March	31	0.288	27.40	0.34	27.78	-0.38
April	30	0.288	26.52	0.43	35.20	-8.69
May	31	0.288	27.40	0.36	29.91	-2.51
June	30	0.288	26.52	0.46	37.89	-11.37
July	31	0.288	27.40	0.52	42.77	-15.37
August	31	0.288	27.40	0.42	34.52	-7.12
September	30	0.288	26.52	0.35	28.88	-2.36
October	31	0.288	27.40	0.31	25.23	2.17
November	30	0.288	26.52	0.30	24.62	1.90
December	31	0.288	27.40	0.20	16.78	10.62
⁵ Total Storage						-15.54

Pond Surface Area **82.51 acres**

Combined pond storage capacity is **555.5 acre-feet**

The calculations above show that the facility has adequate storage capacity for a daily average flow of 0.228055 MGD.

Notes

¹Flow to Ponds = (Effluent Flow) × (# of Days) × (3.0684)

²Evaporation Rate = 25-year average monthly net evaporation (Quad - 305) - <https://waterdatafortexas.org/lake-evaporation-rainfall>

³Evaporation from Ponds = (Pond Surface Area) × (Evaporation Rate)

⁴Storage Requirements = (Flow to Ponds) - (Evaporation from Ponds)

⁵Total Storage Necessary = SUM (Storage Requirements)

**Attachment O - Critical Condition Evaluation for
Evaporation Lagoons and Emergency Overflow Lagoons
Nutri-Feeds, L.L.C.
3261 Tierra Blanca Road
Hereford, Texas**

Critical Condition Evaluation						
Month	# of days	Effluent flow	¹ Flow to Ponds (acre-feet)	² Evaporation Rate (inches to feet)	³ Evaporation from Ponds (acre-feet)	⁴ Storage Requirement (acre-feet)
January	31	0.288	27.40	-0.01	-0.83	28.23
February	28	0.288	24.75	0.084	6.94	17.80
March	31	0.288	27.40	0.005	0.41	26.99
April	30	0.288	26.52	0.010	0.83	25.69
May	31	0.288	27.40	-0.327	-26.95	54.35
June	30	0.288	26.52	-0.199	-16.43	42.95
July	31	0.288	27.40	0.159	13.13	14.27
August	31	0.288	27.40	-0.362	-29.84	57.24
September	30	0.288	26.52	-0.042	-3.44	29.95
October	31	0.288	27.40	-0.266	-21.93	49.33
November	30	0.288	26.52	-0.099	-8.18	34.70
December	31	0.288	27.40	-0.019	-1.58	28.98
⁵ Total Storage						410.48

Pond Surface Area **82.51 acres**

Combined pond storage capacity is **555.5 acre-feet**

The pond's storage capacity is considered adequate when the total storage necessary is less than or equal to the pond volume. The pond volume is 555.5 acre-feet, and the total storage necessary is 410.48 acre-feet. Therefore, the ponds can contain all the wastewater discharged when the evaporation is lowest.

Notes

¹Flow to Ponds = (Effluent Flow) × (# of Days) × (3.0684)

²Evaporation Rate = 25-year lowest net evaporation distributed by month (Quad - 305) - <https://waterdatafortexas.org/lake-evaporation-rainfall>

³Evaporation from Ponds = (Pond Surface Area) × (Evaporation Rate)

⁴Storage Requirements = (Flow to Ponds) - (Evaporation from Ponds)

⁵Total Storage Necessary = SUM (Storage Requirements)

**Attachment O -Average Condition Evaluation for
Brine Evaporation Lagoon
Nutri-Feeds, L.L.C.
3261 Tierra Blanca Road
Hereford, Texas**

Average Condition Evaluation						
Month	# of days	Effluent flow	¹ Flow to Ponds (acre-feet)	² Evaporation Rate (inches to feet)	³ Evaporation from Ponds (acre-feet)	⁴ Storage Requirement (acre-feet)
January	31	0.00328	0.31	0.18	0.27	0.04
February	28	0.00328	0.28	0.24	0.36	-0.08
March	31	0.00328	0.31	0.34	0.51	-0.19
April	30	0.00328	0.30	0.43	0.64	-0.34
May	31	0.00328	0.31	0.36	0.54	-0.23
June	30	0.00328	0.30	0.46	0.69	-0.39
July	31	0.00328	0.31	0.52	0.78	-0.47
August	31	0.00328	0.31	0.42	0.63	-0.32
September	30	0.00328	0.30	0.35	0.53	-0.22
October	31	0.00328	0.31	0.31	0.46	-0.15
November	30	0.00328	0.30	0.30	0.45	-0.15
December	31	0.00328	0.31	0.20	0.31	0.01
⁵ Total Storage						-2.47

Pond Surface Area **1.5 acres**

Brine Evaporation Lagoon (Pond 7) storage capacity is **17.8 acre-feet**

The total storage necessary is less than **zero**; therefore, the evaporation ponds storage capacities are adequate under average conditions.

Notes

¹Flow to Ponds = (Effluent Flow) × (# of Days) × (3.0684)

²Evaporation Rate = 25-year average monthly net evaporation (Quad - 305) - <https://waterdatafortexas.org/lake-evaporation-rainfall>

³Evaporation from Ponds = (Pond Surface Area) × (Evaporation Rate)

⁴Storage Requirements = (Flow to Ponds) - (Evaporation from Ponds)

⁵Total Storage Necessary = SUM (Storage Requirements)

**Attachment O -Critical Condition Evaluation for
Brine Evaporation Lagoon
Nutri-Feeds, L.L.C.
3261 Tierra Blanca Road
Hereford, Texas**

Critical Condition Evaluation						
Month	# of days	Effluent flow	¹ Flow to Ponds (acre-feet)	² Evaporation Rate (inches to feet)	³ Evaporation from Ponds (acre-feet)	⁴ Storage Requirement (acre-feet)
January	31	0.00328	0.31	-0.01	-0.02	0.33
February	28	0.00328	0.28	0.084	0.13	0.16
March	31	0.00328	0.31	0.005	0.01	0.30
April	30	0.00328	0.30	0.010	0.02	0.29
May	31	0.00328	0.31	-0.327	-0.49	0.80
June	30	0.00328	0.30	-0.199	-0.30	0.60
July	31	0.00328	0.31	0.159	0.24	0.07
August	31	0.00328	0.31	-0.362	-0.54	0.85
September	30	0.00328	0.30	-0.042	-0.06	0.36
October	31	0.00328	0.31	-0.266	-0.40	0.71
November	30	0.00328	0.30	-0.099	-0.15	0.45
December	31	0.00328	0.31	-0.019	-0.03	0.34
⁵ Total Storage						5.27

Pond Surface Area **1.5 acres**

Brine Evaporation Lagoon (Pond 7) storage capacity is **17.8 acre-feet**

The pond's storage capacity is considered adequate when the total storage necessary is less than or equal to the pond volume. The pond volume is 17.8 acre-feet, and the total storage necessary is 5.27 acre-feet. Therefore, the ponds can contain all the wastewater discharged when the evaporation is lowest. Therefore, the brine lagoon storage capacity is adequate under critical conditions.

Notes

¹Flow to Ponds = (Effluent Flow) × (# of Days) × (3.0684)

²Evaporation Rate = 25-year lowest net evaporation distributed by month (Quad - 305) - <https://waterdatafortexas.org/lake-evaporation-rainfall>

³Evaporation from Ponds = (Pond Surface Area) × (Evaporation Rate)

⁴Storage Requirements = (Flow to Ponds) - (Evaporation from Ponds)

⁵Total Storage Necessary = SUM (Storage Requirements)

Candice Calhoun

From: Ford, Elena <EFord@braunintertec.com>
Sent: Tuesday, July 16, 2024 9:15 PM
To: Candice Calhoun
Subject: RE: Application to Renew Permit No. WQ0001300000 - Nutri-Feeds, LLC.; County Services, Inc.,
Attachments: 07.16.2024 - Administrative NOD Response.pdf
Follow Up Flag: Follow up
Flag Status: Flagged

Hello Candice,

Thank you for the information and clarifying! As I mentioned yesterday, we will need to get a check processed, which may take a few days. I am also having issues with the co-applicant to be removed dragging their feet on the notarized pages. In the mean time I am submitting a response to the issued NOD and will follow up with a mailed application and check. The notary pages will be mailed under a separate cover, due to the co-applicants and need to get the wet signatures in a timely manner.

Please let me know if you have any questions,

Thank you!

Elena



Elena Ford
Project Scientist
1124 Galveston Avenue, Fort Worth, TX 76104
817.886.4465 direct | 972.672.8786 mobile
braunintertec.com | [Twitter: Braun Intertec](#) | [LinkedIn: Braun Intertec](#)

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Tuesday, July 16, 2024 8:08 AM
To: Ford, Elena <EFord@braunintertec.com>
Subject: RE: Application to Renew Permit No. WQ0001300000 - Nutri-Feeds, LLC.; County Services, Inc.,

Good morning, Ms. Ford,

Yes ma'am, on the current permit it has the applicants/co-applicants listed as "Nutri-Feeds, L.L.C., County Services, Inc., Tejas Industries, Inc., and GSM Land Holdings, Ltd., so the Current Facility Owner is fine to be signed by Nutri-Feeds, L.L.C.

The way you have it set up below, for who signs what, is correct.

Unfortunately, since there is not an option to do e-pay for this type of application, the application and check will need to be mailed in. As for an extension, we will have to follow our same protocol, which is an

Candice Calhoun

From: Ford, Elena <EFord@braunintertec.com>
Sent: Wednesday, July 17, 2024 11:24 AM
To: Candice Calhoun
Subject: RE: Application to Renew Permit No. WQ0001300000 - Nutri-Feeds, LLC.; County Services, Inc.,
Attachments: Industrial Disposal Renewal Spanish NORI.docx
Follow Up Flag: Follow up
Flag Status: Completed

Hi Candice, one co-applicant has already mailed the hard copy, unfortunately. I can attach the scanned version of their page with my application and the hard copy of the notary separate, does that work?

I have attached the word document of the Spanish NORI.

Thank you!

Elena



Elena Ford
Project Scientist
1124 Galveston Avenue, Fort Worth, TX 76104
817.886.4465 direct | 972.672.8786 mobile
braunintertec.com | [Twitter: Braun Intertec](#) | [LinkedIn: Braun Intertec](#)

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Wednesday, July 17, 2024 9:37 AM
To: Ford, Elena <EFord@braunintertec.com>
Subject: RE: Application to Renew Permit No. WQ0001300000 - Nutri-Feeds, LLC.; County Services, Inc.,

Good morning, Ms. Ford,

Below is my response to your response:

1. The English NORI language has been updated per your response and has been placed below.
2. The Spanish NORI will need to be submitted in a Microsoft Word Document.
3. The full Transfer application will need to be mailed in and cannot be accepted via email. (I know you stated you are going to mail in the application and check, just wanted to make sure you knew the full app will need to be mailed in)

APPLICATION. Nutri-Feeds, LLC., County Services, Inc., and GSM Land Holdings, Ltd., 3261 Tierra Blanca Road, Hereford, Texas 79045, which owns a rendering, pet food production, and hide curing facility, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0001300000 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 288,055 gallons per day via evaporation, and the

disposal of brine wastewater from the hide curing process shall not exceed a daily average flow of 3,280 gallons per day via evaporation. The facility and disposal area are located at 3261 Tierra Blanca Road, in the city of Hereford, in Deaf Smith County, Texas 79045. TCEQ received this application on June 24, 2024. The permit application will be available for viewing and copying at Hereford City Hall, 224 North Lee Street, Hereford, in Deaf Smith County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-102.461082,34.7596&level=18>

Further information may also be obtained from Nutri-Feeds, LLC., County Services, Inc., and GSM Land Holdings, Ltd. at the address stated above or by calling Ms. Elena Ford, Braun Intertec Corporation, at 972-672-8786.

Please let me know if you have any additional questions.

Regards,



Candice Calhoun

Texas Commission on Environmental
Quality

Water Quality Division

512-239-4312

candice.calhoun@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at

www.tceq.texas.gov/customersurvey

From: Ford, Elena <EFord@braunintertec.com>

Sent: Tuesday, July 16, 2024 9:15 PM

To: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>

Subject: RE: Application to Renew Permit No. WQ0001300000 - Nutri-Feeds, LLC.; County Services, Inc.,

Hello Candice,

Thank you for the information and clarifying! As I mentioned yesterday, we will need to get a check processed, which may take a few days. I am also having issues with the co-applicant to be removed dragging their feet on the notarized pages. In the mean time I am submitting a response to the issued NOD and will follow up with a mailed application and check. The notary pages will be mailed under a separate cover, due to the co-applicants and need to get the wet signatures in a timely manner.

Please let me know if you have any questions,

July 16, 2024

Project 01512.006

Ms. Candice Calhoun
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087
Via email: Candice.Calhoun@tceq.texas.gov

RE: Response to Notice of Deficiencies
Nutri-Feeds, L.L.C., County Services, Inc., and GSM Land Holdings, Ltd.
3261 Tierra Blanca Road, Hereford, Texas
Regulated Entity No.: RN102287257
TCEQ Permit No.: WQ0001300000

Dear Ms. Calhoun:

On behalf of Nutri-Feeds, L.L.C. (Permittee), County Services, Inc. (Co-Permittee), and GSM Land Holdings, Ltd. (Co-Permittee), Braun Intertec Corporation, has prepared this response to the Texas Commission on Environmental Quality (TCEQ) Notice of Deficiencies (NOD) dated July 2, 2024. The NOD notes deficiencies in the administrative review of the Texas Land Application Permit (TLAP) for the Nutri-Feeds facility located at 3261 Tierra Blanca Road in Hereford, Texas (Site).

For ease of review, the information requested by the TCEQ in the July 2, 2024 letter is presented in *italics*, and our corresponding responses are presented thereafter.

- 1. Item 1, Item f – the request to remove Tejas Industries, Inc, as a co-applicant, requires a Transfer application. The Renewal application cannot be declared administratively complete until a Transfer application has been received and completed. Please submit a Transfer application, and \$100.00 processing fee, to remove the co-applicant.*

A transfer application without the signature pages has been included as Attachment A. The signature pages will be mailed under a separate cover from the applicant and co-applicants. The associated Core Data Forms are included as Attachment B. Copies of the transfer application signature pages will be submitted via email to candice.calhoun@tceq.texas.gov as soon as Braun Intertec received copies from the applicant and co-applicants. The necessary \$100 processing fee has also been submitted via check, which will be mailed in. Note: Scans of the core data forms

have been provided; the original, wet signature version was provided in the wastewater permit application submitted to TCEQ on June 20, 2024.

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

The Notice of Receipt of Application and Intent to Obtain Permit (NORI) was reviewed and there were errors noted. Braun Intertec requests that the TCEQ remove Tejas Industries, Inc. and mention of rawhide production from the current NORI. Rawhide production was not included in the current application, nor has it been included in past applications. The revised NORI with redline edits is presented below:

APPLICATION. Nutri-Feeds, L.L.C., County Services, Inc., ~~Tejas Industries, Inc.~~, and GSM Land Holdings, Ltd., 3261 Tierra Blanca Road, Hereford, Texas 79045, which owns a rendering, pet food production, ~~rawhide production~~ and hide curing facility, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0001300000 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 288,055 gallons per day via evaporation, and the disposal of brine wastewater from the hide curing process shall not exceed a daily average flow of 3,280 gallons per day via evaporation. The facility and disposal area are located at 3261 Tierra Blanca Road, in the city of Hereford, in Deaf Smith County, Texas 79045. TCEQ received this application on June 24, 2024. The permit application will be available for viewing and copying at Hereford City Hall, 224 North Lee Street, Hereford, in Deaf Smith County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-102.461082,34.7596&level=18>.

Further information may also be obtained from Nutri-Feeds, LLC., County Services, Inc., ~~Tejas Industries, Inc.~~, and GSM Land Holdings, Ltd. at the address stated above or by calling Ms. Elena Ford, Braun Intertec Corporation, at 972-672-8786.

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

An updated translated Spanish NORI, which includes the redlined edits presented above, has been prepared and is being submitted to TCEQ as an attachment to this letter via email to candice.calhoun@tceq.texas.gov.

We appreciate your assistance in review of this application. If you have any technical questions regarding the application, or require additional information, please contact Ms. Elena Ford at 972-672-8786 or eford@braunintertec.com or Ms. Janice King at 512.221.8902 or JaKing@braunintertec.com.

Sincerely,

BRAUN INTERTEC CORPORATION



Elena Ford
Supervisor



Janice King
Principal Consultant

Enclosures:

cc: Mr. Keith Bridwell, Nutri-Feeds, LLC
Mr. Adrian Arredondo, Tejas Industries, Inc.

Attachment A
Transfer Application



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**APPLICATION TO TRANSFER A WASTEWATER PERMIT
OR CAFO PERMIT**

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

SECTION 1. CURRENT PERMIT INFORMATION

What is the Permit Number? WQ0001300000

What is the EPA I.D. Number? TX N/A

What is the Current Name on the Permit?

Nutri-Feeds, LLC., County Services, Inc., Tejas Industries, Inc. and GSM Land Holdings, Ltd.

What is the Customer Number (CN) for the current permittee? CN 603708132, CN603310400, CN603839770, and CN604644328

What is the Regulated Entity Reference Number (RN): RN 102287257

For Publicly Owned Treatment Works (POTWs) Only:

- a) Does this permit require implementation of an approved pretreatment program by the POTW? Yes ☐ No ☐
- b) Does this permit have a domestic reclaimed water authorization associated with it?
NOTE: The domestic reclaimed water authorization associated with this permit will be cancelled on the same date the transfer took place. See instructions for more information.
Yes ☐ No ☐

SECTION 2. FACILITY OWNER (APPLICANT) INFORMATION

A. What is the Legal Name of the facility owner?

Nutri-Feeds, LLC.

B. What is the Customer Number (CN) issued to this entity? CN 603708132

C. Complete and attach a Core Data Form (TCEQ-10400) for this customer.

SECTION 3. CO-APPLICANT INFORMATION

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

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

County Services, Inc.

B. What is the Customer Number (CN) issued to this entity? CN 603310400

C. Complete and attach a Core Data Form (TCEQ-10400) for this customer.

SECTION 4. APPLICATION CONTACT INFORMATION

This is the person TCEQ will contact if additional information is needed about this application.

Application Contact First and Last Name: Keith Bridwell

Title: Director of Operations Credentials: N/A

Company Name: Nutri-Feeds, LLC.

Mailing Address: 3261 Tierra Blanca Road

City, State, and Zip Code: Hereford, Texas 79045

Phone Number: 806.344.6952 Fax Number: N/A

E-mail Address: brid@wtrt.net

SECTION 5. PERMIT CONTACT INFORMATION

This is the person TCEQ will contact if additional information is needed during the term of the permit.

Permit Contact First and Last Name: Elena Ford

Title: Environmental Supervisor Credentials: N/A

Company Name: Braun Intertec Corporation

Mailing Address: 1124 Galveston Ave #102

City, State, and Zip Code: Fort Worth, Texas 76104

Phone Number: 972.672.8786 Fax Number: N/A

E-mail Address: eford@braunintertec.com

SECTION 6. SITE INFORMATION

Site Name: Nutri-Feeds

SECTION 7. LEASE AND EASEMENT REQUIREMENTS

A. Landowner where the facility is or will be located:

Landowner Name: GSM Land Holdings, Ltd.

If this individual is not the same person as the facility owner or co-applicant, attach one of the following documents:

- A lease agreement or deed recorded easement, if the facility is NOT a fixture of the land, or
- A deed recorded easement if the facility IS a fixture of the land.

B. Landowner of the effluent disposal site:

Landowner Name: GSM Land Holdings, Ltd.

If this individual is not the same person as the facility owner or co-applicant, attach a lease agreement.

C. For CAFOs: Attach the following records:

- Warranty Deed or Property Tax Records
- Lease Agreement (for land management units that are not owned by the facility owner or co-applicant)

Facility Size on the proof of ownership, in acres: N/A

SECTION 8. TRANSFER DATE

What is the date that the transfer of operator or ownership will occur? June 20, 2024

SECTION 9. REPORTING AND BILLING INFORMATION

A. Please identify the individual for receiving the reporting forms.

First and Last Name: Keith Bridwell

Title: Director of Operations Credentials: N/A

Company Name: Nutri-Feeds, L.L.C.

Mailing Address: 3261 Tierra Blanca Road

City, State, and Zip Code: Hereford, Texas 79045

Phone Number: 806.344.6952 Fax Number: N/A

E-mail Address: brid@wtrt.net

B. Please identify the individual for receiving the annual fee invoices.

First and Last Name: Cheryl Davison

Title: Office Manager Credentials: N/A

Company Name: Nutri-Feeds, L.L.C.
Mailing Address: 3261 Tierra Blanca Road
City, State, and Zip Code: Hereford, Texas 79045
Phone Number: 806.357.2287 Fax Number: N/A
E-mail Address: cdavison@wtrt.net

SECTION 10. DELINQUENT FEES OR PENALTIES

Do you owe fees to the TCEQ? Yes ☐ No ☒

Do you owe any penalties to the TCEQ? Yes ☐ No ☒

If you answered yes to either of the above questions, provide the amount owed, the type of fee or penalty, and an identifying number.

N/A

TRANSFEROR SIGNATURE (Current Facility Owner)

I consent to the transfer of the permit and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that I am authorized under 30 Texas Administrative Code Section 305.44 to sign this document and can provide documentation in proof of such authorization upon request.

Facility Owner Name: Nutri-Feeds, LLC

Title: Director of Operations

Signature: _____ Date: _____

SUBSCRIBED AND SWORN to before me by the said _____ on

this _____ day of _____, 20_____

My commission expires on the _____ day of _____, 20_____

(Seal)

Notary Public

County, Texas

TRANSFEROR SIGNATURE (Current Facility Co-Applicant)

Complete if a co-applicant is on the current permit.

I consent to the transfer of the permit and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that I am authorized under 30 Texas Administrative Code Section 305.44 to sign this document and can provide documentation in proof of such authorization upon request.

Facility Co-Applicant Name: Tejas Industries, Inc.

Title:

Signature: _____ Date: _____

SUBSCRIBED AND SWORN to before me by the said _____ on

this _____ day of _____, 20_____

My commission expires on the _____ day of _____, 20_____

(Seal)

Notary Public

County, Texas

TRANSFeree SIGNATURE (New Facility Owner)

I certify that a change of ownership of the facility for the subject permit has been issued will occur as indicated in the application. As a condition of the transfer, I do hereby declare that:

The transferee will be the owner of the existing treatment facility from which wastewater is discharged, deposited or disposed or the facilities required to comply with the permit will be constructed as described in the application considered by the TCEQ prior to the issuance of the permit.

The transferee possesses a copy of the permit, understands the terms and conditions therein, and does accept and assume all obligations of the permit.

The transferee assumes financial responsibility for the proper maintenance and operation of all waste treatment and disposal facilities required by the permit or which may be required to comply with the permit terms and conditions. The transferee certifies that the transfer is not made for the purpose of avoiding liability for improper actions carried out prior to the date of transfer. Neither is the transfer made for the purpose of transferring responsibility for improper operations to an insolvent entity.

The transferee certifies under penalty of law that this document 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 known violations and revocation of this permit.

New Facility Owner: Nutri-Feeds, LLC

Title: Director of Operations

Signature: _____ Date: _____

SUBSCRIBED AND SWORN to before me by the said _____ on

this _____ day of _____, 20_____

My commission expires on the _____ day of _____, 20_____

(Seal)

Notary Public

County, Texas

TRANSFeree SIGNATURE (New Facility Co-Applicant)

Complete if a co-applicant is required.

I certify that a change of ownership of the facility for the subject permit has been issued will occur as indicated in the application. As a condition of the transfer, I do hereby declare that:

The transferee will be the operator of the existing treatment facility from which wastewater is discharged, deposited or disposed or the facilities required to comply with the permit will be constructed as described in the application considered by the TCEQ prior to the issuance of the permit.

The transferee possesses a copy of the permit, understands the terms and conditions therein, and does accept and assume all obligations of the permit.

The transferee assumes financial responsibility for the proper maintenance and operation of all waste treatment and disposal facilities required by the permit or which may be required to comply with the permit terms and conditions. The transferee certifies that the transfer is not made for the purpose of avoiding liability for improper actions carried out prior to the date of transfer. Neither is the transfer made for the purpose of transferring responsibility for improper operations to an insolvent entity.

The transferee certifies under penalty of law that this document 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 known violations and revocation of this permit.

New Facility Co-Applicant: County Services, Inc.

Title:



Signature: _____ Date: _____

SUBSCRIBED AND SWORN to before me by the said _____ on

this _____ day of _____, 20_____

My commission expires on the _____ day of _____, 20_____

(Seal)

Notary Public

County, Texas

SITE OPERATOR SIGNATURE

Complete only for permits that include composting facilities, land application and/or disposal of sewage sludge **AND** the transferee does not own the land where the disposal activity is conducted.

I understand that I am responsible for operating the site described in the legal description in accordance with the Texas Commission on Environmental Quality requirements in 30 TAC, Chapter 332 and/or 312, the conditions set forth in the permit, and any additional conditions as required by the Texas Commission on Environmental Quality. I also certify under penalty of law that all information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine, imprisonment for violations, and revocation of this permit.

Site Operator Name: N/A

Title: N/A

Signature: _____ Date: _____

SUBSCRIBED AND SWORN to before me by the said _____ on

this _____ day of _____, 20 _____

My commission expires on the _____ day of _____, 20 _____

(Seal)

Notary Public

County, Texas

LAND OWNER SIGNATURE

Complete Only If Landowner Is Not the Site Operator

I certify that I am the owner of the land described in this application and have all rights and covenants to authorize the applicant for this permit, to use this site for the composting, disposal and/or land application. I understand that 30 Texas Administrative Code Chapters 332 and 312 require me to make a reasonable effort to see that the applicant complies with requirements in 30 Texas Administrative Code Chapters 332 and 312, the conditions set forth in this application, and any additional conditions as required by the Texas Commission on Environmental Quality. I also certify under penalty of law that all information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine, imprisonment for violations, and revocation of this permit.

Landowner Name: N/A

Signature: _____ Date: _____

SUBSCRIBED AND SWORN to before me by the said _____ on

this _____ day of _____, 20_____

My commission expires on the _____ day of _____, 20_____

(Seal)

Notary Public

County, Texas

ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information

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

Prefix (Mr., Ms., Miss): N/A

Full legal name (first, middle, 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 Number: N/A

Fax Number: N/A

E-mail Address: N/A

CN: N/A

For Commission Use Only:

Customer Number:

Regulated Entity Number:

Permit Number:

INSTRUCTIONS

This application applies to:

- Industrial and municipal permits authorized under 30 TAC Chapter 305.
- CAFO permits authorized under 30 TAC Chapter 321
- Domestic Reclaimed Water Authorizations authorized under 30 TAC Chapter 210

A permit must be transferred when a change in ownership or co-permittee occurs. A transfer application is only required for a change in operator if the operator is, or is required to be, a co-permittee on the current permit.

A transfer application must be submitted at least 30 days before the proposed transfer date.

Where to Send the Application Form

A Core Data Form and one original and one copy of the application, including attachments, must be provided to the address below:

Regular U.S. Mail:

Texas Commission on Environmental
Quality
Applications Review and Processing Team,
MC 148
PO Box 13087
Austin TX 78711-3087

For Express Mail or Hand Delivery:

Texas Commission on Environmental
Quality
Applications Review and Processing Team,
MC 148
Building F Room 2101
12100 Park 35 Circle
Austin TX 78753

TCEQ Contact List

Permit Information and Application Forms:	512-239-4671
Technical Information	512-239-4671
Environmental Law Division:	512-239-0600
Stream Survey and Receiving Water Assessment:	512-239-4671
Biomonitoring Testing Requirements:	512-239-4592

Copies of records on file with the TCEQ may be obtained for a minimal fee from the Records Management Office at 512-239-2900.

Application Fee

An application fee of \$100.00 must be paid by check or money order made payable to the Texas Commission on Environmental Quality. Fees must be sent under separate cover making reference to the type of application, name of applicant, and permit number of existing permit.

Mail the application fee to:
Texas Commission on Environmental Quality
Revenues Section, MC 214
PO Box 13088
Austin TX 78711-3088

To verify receipt of payment or any other questions you may have regarding payment of fees to the TCEQ, you may call the Revenues Section, Cashiers Office at (512) 239-0357.

Who Is Responsible and Liable for Compliance With The Permit Or Registration During Transfer Activities

The entity/individual to whom a permit is issued is held responsible and liable for complying with the terms and conditions of the permit. The permit may be transferred upon approval by the Texas Commission on Environmental Quality (TCEQ). An attempted transfer is not effective for any purpose until approved, in writing, by the TCEQ.

If no agreement regarding transfer of permit responsibility and liability is provided, responsibility for compliance with the terms and conditions of the permit and liability for any violation is assumed by the transferee, effective on the date of the approved transfer. This section is not intended to relieve a transferor of any liability.

If a person attempting to acquire a permit operates the facility before transfer approval is given, such person shall be considered to be operating without a permit.

The TCEQ may refuse to approve a transfer where conditions of a judicial decree, compliance agreement, or other enforcement order have not been entirely met.

Current Permit Information

Provide the TCEQ permit number for the authorization being transferred.

Provide the EPA I.D. number for the permit being transferred.

Provide the current name on the permit. The information provided must match the current permit exactly.

Provide the customer number (CN) for the current permittee. TCEQ assigns each customer a number that begins with CN, followed by nine digits. This is not a permit number, registration number, or license number. The Customer Number, for the current permittee, is available at the following website: <http://www15.tceq.texas.gov/crpub/>.

Provide the regulated entity reference number (RN) for the site. The RN is a number issued by TCEQ to sites where an activity is regulated by TCEQ. This is not a permit number, registration number, or license number. The RN is available at the following website: <http://www15.tceq.texas.gov/crpub/>.

For Publicly Owned Treatment Works (POTWs):

- Indicate if this permit requires the POTW to implement an approved pretreatment program. The transferee must contact the Storm Water & Pretreatment Team staff before this application may be transferred.
- Indicate if this permit has an associated domestic reclaimed water authorization. **The domestic reclaimed water authorization associated with this permit will be cancelled on the same date the transfer took place.** If the new owner wants to obtain a domestic reclaimed water authorization, please complete and submit the Application to Use Domestic Reclaimed Water (TCEQ-20427).

Facility Owner (Applicant) and Co-Applclicant Information

Provide the name(s) and complete and attach a Core Data Form (TCEQ-10400) for these customers.

Texas Pollutant Discharge Elimination System (TPDES) permits: it is the duty of the facility operator to submit an application for a permit as co-permittee with the facility owner when the operator is contracted by the owner. The operator is not required to apply as co-permittee when the operator is an employee of the facility owner. If the owner of the facility is not the same as the owner of the land, please see Lease and Easement Requirements in the next section below.

Texas Land Application Permits: it is the duty of the owner of the facility to submit an application for a permit. If the owner of the facility is not the same as the owner of the land, please see Lease and Easement Requirements in the next section below. In special circumstances, it is the duty of the owner and the operator of the treatment facility to submit an application for a permit, as co-permittees.

CAFOs: the owner of the land must be either the applicant or co-applicant. If the owner of the facility is a separate entity or individual, then the owner of the facility must be included as the applicant or co-applicant. For all CAFO TPDES permits, the operator must be listed as a co-applicant. A signature page must be completed for each applicant. A copy of a recorded deed or tax records showing ownership, or a copy of a contract or lease agreement between the applicant and the owner/operator of any lands to be utilized under the CAFO must be provided. This requirement does not apply to any lands not owned, operated, or controlled by the applicant for the purpose of off-site land application of manure if the manure is given or sold to others for beneficial use, provided the owner/operator of the CAFO is not involved in the application of the manure.

Application Contact Information

Provide the name and contact information for the person that TCEQ will contact if additional information is needed about this application.

Permit Contact Information

Provide the name and contact information for the person that TCEQ will contact if additional information is needed during the term of the permit or registration.

Site Information

Provide the name of the site as known by the public in the area where the site is located.

Lease and Easement Requirements

Provide the name and contact information for the owner where the facility is or will be located if the landowner is not the applicant or co-applicant.

Provide the name and contact information for the owner of the effluent disposal site if the landowner is not the applicant or co-applicant.

If the owner of the land on which the treatment facility is located is different from the owner of the treatment facility and the treatment facility is not a fixture of the land, the applicant must provide a copy of a lease agreement or recorded easement giving the applicant authorization to use the land on which the treatment plant is located for at least the term of the permit.

If the owner of the land on which the treatment facility is located is different from the owner of the treatment facility and the treatment facility is a fixture of the land, (Example: pond system, evaporation pond, units halfway in ground, holding ponds, etc.) the owner of the land will need to provide a copy of a deed recorded easement giving the applicant sufficient property rights to use the land for the life of the facility, or apply as a co-permittee with the owner of the treatment facility.

If the applicant does not own the land where the effluent disposal site is located, the applicant must provide a copy of a lease agreement which includes a term of at least 5 years, and is current or if the lease term has passed it includes an option to renew the term, and is between the current applicant and the landowner.

For CAFOs: A copy of a recorded deed or tax records showing ownership, or a copy of a contract or lease agreement between the applicant and the owner/operator of any lands to be utilized under the CAFO must be provided. This requirement does not apply to any lands not owned, operated, or controlled by the applicant for the purpose of off-site land application of manure if the manure is given or sold to others for beneficial use, provided the owner/operator of the CAFO is not involved in the application of the manure.

Transfer Date

Provide the date that the transfer of ownership or operator will occur. Please note that this transfer application will not be processed until after the transfer date provided in this application. If the anticipated transfer date changes, the transferee or the transferor must notify the Applications Review and Process Team in writing, prior to the transfer date provided in this application.

Reporting and Billing Information

Provide the name and contact information for the individual that will receive the reporting forms and the annual fee invoices.

The water quality fee is assessed annually for each permit that is active on September 1

Pursuant to 30 TAC, Section 305.66, failure to pay fees is good cause for permit denial or revocation. If an applicant has outstanding fees, a proposed permit application will not be considered for approval by the Commission or Executive Director. For account balance information, contact the Financial Administration Division, Revenue Section, at (512) 239-0344.

Delinquent Fees and Penalties

The TCEQ will not issue, amend, or renew permits, registrations, certifications, or licenses to an entity or person who is delinquent on a penalty or fee owed to the TCEQ. The TCEQ will not declare any application administratively complete that is submitted by a person or entity who is delinquent on a fee or penalty until the fee or penalty is paid, or if on an approved installment plan, that payments under the plan are current. The TCEQ will withhold final action on an application until the fee or penalty is paid and the account is current, if after the application is considered administratively complete, we discover that the owner or entity who submitted the application is delinquent on a fee or penalty.

The following TCEQ website will help you determine if you owe any fees or penalties to the TCEQ and how to make a payment: <https://www.tceq.texas.gov/agency/fees/delin/index.html>. If fees or penalties are owed, please identify the type of fee or penalty owed, the amount owed, and the TCEQ identifying number. For penalties, please provide the TCEQ docket number

For questions about delinquent fees and penalties, contact the Financial Administration Division, Revenue Section, at 512-239-0354.

Signature Requirements

In accordance with 30 Texas Administrative Code §305.44 relating to Signatories to Applications, all applications shall be signed as follows:

For a corporation, the application shall be signed by a responsible corporate officer. For purposes of this paragraph, a responsible corporate officer means a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures. Corporate procedures governing authority to sign permit or post-closure order applications may provide for assignment or delegation to applicable corporate positions rather than to specific individuals.

For a partnership or sole proprietorship, the application shall be signed by a general partner or the proprietor, respectively.

For a municipality, state, federal, or other public agency, the application shall be signed by either a principal executive officer or a ranking elected official. For purposes of this paragraph, a principal executive officer of a federal agency includes the chief executive officer of the agency,

or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., regional administrator of the EPA).

The signature page must bear the seal of a notary public. The date signed by the applicant must be the same as the date notarized. The signature page will not be acceptable if the dates are different.

If the transferee is unable to obtain the signature of the transferor, the permit may still be transferred by involuntary transfer if:

- the current permittee no longer owns the permitted facilities
- the facilities have not been built and the permittee no longer has sufficient property rights in the site of the proposed facilities
- proof of ownership of the site and treatment facility has been provided by the transferee
- the executive director has provided notice by certified mail to the permittee, using the last address of record, giving an opportunity for hearing
- the executive director did not receive a request for hearing from the permittee within 30 days from the date the notice was mailed.

• **Attachment 1 Individual Information**

If the applicant or co-applicant is an individual, provide information on the individual as required by the Texas Water Code. The address provided must be the individual's home address.

A. SECTION 3. CO-APPLICANT INFORMATION

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

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

GSM Land Holdings, Ltd.

B. What is the Customer Number (CN) issued to this entity? CN 604644328

C. Complete and attach a Core Data Form (TCEQ-10400) for this customer.

Attachment B

Core Data Forms



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.

A.1. SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input checked="" type="checkbox"/> Other Renewal with Changes
2. Customer Reference Number (If issued)		3. Regulated Entity Reference Number (If issued)
CN 603310400		RN 102287257

[Follow this link to search for CN or RN numbers in Central Registry**](#)

A.2. SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		6/30/2024	
<input type="checkbox"/> New Customer <input checked="" type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
County Services, Inc.					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	
0800836357		12050951701			
11. Type of Customer:		<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:	
12. Number of Employees				13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input checked="" type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) -- as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:					
3261 Tierra Blanca Road					
City		Hereford		State TX ZIP 79045 ZIP + 4 7823	
16. Country Mailing Information (If outside USA)				17. E-Mail Address (If applicable)	
N/A				jcates@countyserv.com	
18. Telephone Number		19. Extension or Code		20. Fax Number (If applicable)	
(806) 292-5736				() -	

A.3. SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If "New Regulated Entity" is selected, a new permit application is also required.)	
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input checked="" type="checkbox"/> 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.)	

Nutri-Feeds, L.L.C.								
23. Street Address of the Regulated Entity: (No PO Boxes)	3261 Tierra Blanca Road							
	City	Hereford	State	TX	ZIP	79045	ZIP + 4	7823
24. County	Deaf Smith							

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:						28. Longitude (W) In Decimal:				
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds					
29. Primary SIC Code (4 digits)		30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)				
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)										
Rendering and Pet Food Manufacturing										
34. Mailing Address:	3261 Tierra Blanca Road									
	City	Hereford	State	TX	ZIP	79045	ZIP + 4	7823		
35. E-Mail Address:	jcates@countyserv.com									
36. Telephone Number			37. Extension or Code			38. Fax Number (if applicable)				
(806) 292-5736			N/A			() -				

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

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input checked="" type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
	TXR05W216			
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other: On Site Sewage Facility
	WQ0001300000			

A.4. SECTION IV: Preparer Information

40. Name:	Elena Ford	41. Title:	Environmental Supervisor
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(972) 672-8786	N/A	() -	eford@braunintertec.com

A.5. 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:	County Services, Inc.	Job Title:	Director of Operations
-----------------	-----------------------	-------------------	------------------------

Name (In Print):	John D. Cates	Phone:	(806) 292- 5736
Signature:		Date:	5/31/24



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.

A.1. SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input checked="" type="checkbox"/> Other Renewal with Changes	
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 604644328		RN 102287257

A.2. SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		5/1/2024	
<input type="checkbox"/> New Customer <input checked="" type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				If new Customer, enter previous Customer below:	
GSM Land Holdings, Ltd.					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	
0800347774		12050950695		10. DUNS Number (if applicable)	
11. Type of Customer:		<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:	
12. Number of Employees				13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input checked="" type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:					
3261 Tierra Blanca Road					
City		Hereford		State TX	
ZIP		79045		ZIP + 4 7823	
16. Country Mailing Information (if outside USA)				17. E-Mail Address (if applicable)	
N/A				brid@wtrt.net	
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)	
(806) 357-2287		0		() -	

A.3. SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)	
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input checked="" type="checkbox"/> 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.)	

Nutri-Feeds, L.L.C.							
23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	3261 Tierra Blanca Road						
	City	Hereford	State	TX	ZIP	79045	ZIP + 4
24. County	Deaf Smith						

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

25. Description to Physical Location:							
26. Nearest City					State	Nearest ZIP Code	
<i>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).</i>							
27. Latitude (N) In Decimal:				28. Longitude (W) In Decimal:			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)		
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>							
Rendering and Pet Food Manufacturing							
34. Mailing Address:	3261 Tierra Blanca Road						
	City	Hereford	State	TX	ZIP	79045	ZIP + 4
35. E-Mail Address:	brid@wtrt.net						
36. Telephone Number		37. Extension or Code		38. Fax Number <i>(if applicable)</i>			
(806) 357-2287		N/A		() -			

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

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other: On Site Sewage Facility
WQ0001300000				

A.4. SECTION IV: Preparer Information

40. Name:	Elena Ford	41. Title:	Environmental Supervisor
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(972) 672-8786	N/A	() -	eford@brauintertec.com

A.5. 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:	GSM Land Holdings, Ltd.	Job Title:	Director of Operations
-----------------	-------------------------	-------------------	------------------------

Name (In Print):	Keith Bridwell	Phone:	(806) 357- 2287
Signature:	Keith Bridwell	Date:	05-31-2024



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.

A.1. SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input checked="" type="checkbox"/> Other Renewal with Changes	
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 603708132		RN 102287257

A.2. SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		5/1/2024	
<input type="checkbox"/> New Customer <input checked="" type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				If new Customer, enter previous Customer below:	
Nutri-Feeds, L.L.C.					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	
0801282624		32042067846			
10. DUNS Number (if applicable)					
11. Type of Customer:		<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:	
12. Number of Employees				13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input checked="" type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
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<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:					
3261 Tierra Blanca Road					
City		Hereford		State	
TX		ZIP		79045	
ZIP + 4		7823			
16. Country Mailing Information (if outside USA)				17. E-Mail Address (if applicable)	
N/A				brid@wtrt.net	
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)	
(806) 357-2287		0		() -	

A.3. SECTION III: Regulated Entity Information

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<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input checked="" type="checkbox"/> Update to Regulated Entity Information		
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22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)		

Nutri-Feeds, L.L.C.							
23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	3261 Tierra Blanca Road						
	City	Hereford	State	TX	ZIP	79045	ZIP + 4
24. County	Deaf Smith						

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

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<i>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).</i>							
27. Latitude (N) In Decimal:				28. Longitude (W) In Decimal:			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)		
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>							
Rendering and Pet Food Manufacturing							
34. Mailing Address:	3261 Tierra Blanca Road						
	City	Hereford	State	TX	ZIP	79045	ZIP + 4
35. E-Mail Address:	brid@wtrt.net						
36. Telephone Number		37. Extension or Code		38. Fax Number (if applicable)			
(806) 357-2287		N/A		() -			

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

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input checked="" type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
	TXR05AW85			
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other: On Site Sewage Facility
	WQ0001300000			

A.4. SECTION IV: Preparer Information

40. Name:	Elena Ford	41. Title:	Environmental Supervisor
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(972) 672-8786	N/A	() -	eford@brauintertec.com

A.5. 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:	Nutri-Feeds, L.L.C.	Job Title:	Director of Operations
-----------------	---------------------	-------------------	------------------------

Name (In Print):	Keith Bridwell	Phone:	(806) 357- 2287
Signature:	Keith Bridwell	Date:	05-31-2024

Attachment C

Transferee Signatures (to be mailed in)

A. TRANSFeree SIGNATURE (New Facility Co-Applicant)

Complete if a co-applicant is required.

I certify that a change of ownership of the facility for the subject permit has been issued will occur as indicated in the application. As a condition of the transfer, I do hereby declare that:

The transferee will be the operator of the existing treatment facility from which wastewater is discharged, deposited or disposed or the facilities required to comply with the permit will be constructed as described in the application considered by the TCEQ prior to the issuance of the permit.

The transferee possesses a copy of the permit, understands the terms and conditions therein, and does accept and assume all obligations of the permit.

The transferee assumes financial responsibility for the proper maintenance and operation of all waste treatment and disposal facilities required by the permit or which may be required to comply with the permit terms and conditions. The transferee certifies that the transfer is not made for the purpose of avoiding liability for improper actions carried out prior to the date of transfer. Neither is the transfer made for the purpose of transferring responsibility for improper operations to an insolvent entity.

The transferee certifies under penalty of law that this document 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 known violations and revocation of this permit.

New Facility Co-Applicant: GSM Land Holdings, Ltd.

Title: Director of Operations

Signature: _____ Date: _____

SUBSCRIBED AND SWORN to before me by the said _____ on

this _____ day of _____, 20____

My commission expires on the _____ day of _____, 20____

(Seal)

Notary Public

County, Texas

Attachment D

Industrial Disposal Renewal Spanish NORI

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. WQ00_____

SOLICITUD. Nutri-Feeds, LLC., County Services, Inc., and GSM Land Holdings, Ltd., ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) por una renovación Permiso No.WQ0001300000 de disposición de aguas residuales para autorizar la disposición de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 288,055 galones por día por medio de evaporación. La planta y el sitio de disposición están ubicadas en 3261 Tierra Blanca Road, en la ciudad de Hereford, en el Condado de Deaf Smith, Texas 79045. La TCEQ recibió esta solicitud el día 24 de junio del 2024. La solicitud para el permiso estará disponible para leerla y copiarla en Hereford City Hall, 224 North Lee Street, Hereford, in Deaf Smith County, Texas antes de la fecha de publicación de este aviso en el periódico. La aplicación, incluyendo las actualizaciones, y los avisos asociados están disponibles electrónicamente en la siguiente pagina web: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications>. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-102.461082,34.7596&level=18>

Include the following non-italicized sentence if the facility is located in the Coastal Management Program boundary and is an application for a major amendment which will increase the pollutant loads to coastal waters or would result in relocation of an outfall to a critical areas, or a renewal with such a major amendment. The Coastal Management Program boundary is the area along the Texas Coast of the Gulf of México as depicted on the map in 31 TAC §503.1 and includes part or all of the following counties: Cameron, Willacy, Kenedy, Kleberg, Nueces, San Patricio, Aransas, Refugio, Calhoun, Victoria, Jackson, Matagorda, Brazoria, Galveston, Harris, Chambers, Jefferson y Orange. If the application is for amendment that does not meet the above description, do not include the sentence: El Director Ejecutivo de la TCEQ ha revisado esta medida para ver si está de acuerdo con los objetivos y las regulaciones del Programa de Administración Costero de Texas (CMP) de acuerdo con las regulaciones del Consejo

Coordinador de la Costa (CCC) y ha determinado que la acción es conforme con las metas y regulaciones pertinentes del CMP.

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

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

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

PARA SOLICITAR UNA AUDIENCIA DE CASO IMPUGNADO, USTED DEBE INCLUIR EN SU SOLICITUD LOS SIGUIENTES DATOS: su nombre, dirección, y número de teléfono; el nombre del solicitante y número del permiso; la ubicación y distancia de su propiedad/actividad con respecto a la instalación; una descripción específica de la forma cómo usted sería afectado adversamente por el sitio de una manera no común al público en general; una lista de todas las cuestiones de hecho en disputa que usted presente durante el período de comentarios; y la declaración "[Yo/nosotros] solicito/solicitamos una audiencia de caso impugnado". Si

presenta la petición para una audiencia de caso impugnado de parte de un grupo o asociación, debe identificar una persona que representa al grupo para recibir correspondencia en el futuro; identificar el nombre y la dirección de un miembro del grupo que sería afectado adversamente por la planta o la actividad propuesta; proveer la información indicada anteriormente con respecto a la ubicación del miembro afectado y su distancia de la planta o actividad propuesta; explicar cómo y porqué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

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

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

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

También se puede obtener información adicional del Nutri-Feeds, LLC., County Services, Inc., and GSM Land Holdings, Ltd., a la dirección indicada arriba o llamando a Elena Ford, Braun Intertec Corporation, al 972-672-8786.

Fecha de emisión _____ *[Date notice issued]*