Administrative Package Cover Page

This file contains the following documents:

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

Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

Applicants should use this template to develop a plain language summary of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your 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 you 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. After filling in the information for your facility delete these instructions.

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

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

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

Odessa Lodge-Corporate Hospitality Housing, LLC (CN605664028) proposes to operate the Odessa Lodge-Corporate Hospitality Housing wastewater treatment plant (RN112227483), a corporate housing facility designed specifically to meet the needs of the workforce of the oil fields. The facility will be located at 3006 US-385, in Odessa, Ector County, Texas 79766. This application proposes a new amendment to dispose a daily average flow not to exceed 27,000 per day of treated domestic wastewater effluent subsurface area drip dispersal systems (SADDS) with a minimum area of 6.20 acres. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain BOD5 and Total Suspended Solids (TSS). Wastewater will be treated by an activated sludge process plant and the treatment units include a bar screen, an equalization chamber, an aeration chamber, a clarifier chamber, a sludge holding chamber, post treatment filtration, a clearwell chamber, a surge chamber, and

a chlorine contact chamber. In addition, the facility includes a temporary storage for treated effluent that equals to at least three days of the daily average flow. The treated effluent will then be distributed into the subsurface drip dispersal system to irrigate the dedicated 6.4-acre field.

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

AGUAS RESIDUALES DOMESTICAS **/AGUAS PLUVIALES**

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

Odessa Lodge-Corporation Hospitality Housing, LLC (CN605664028) propone operar Odessa Lodge-Corporate Hospitality Housing planta de tratamiento de aguas residuales (RN112227483), un centro de alojamiento corporativo diseñado específicamente para satisfacer las necesidades de la mano de obra de los campos petrolíferos . La instalación estará ubicada en 3006 US-385, en Odessa, Condado de Ector, Texas 79766. Esta solicitud propone una nueva modificación para verter un caudal medio diario no superior a 27.000 al día de efluentes de aguas residuales domésticas tratadas sistemas de dispersión por goteo de superficie subsuperficial (SADDS) con una superficie mínima de 6,20 acres. Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan BOD5 y Total Suspended Solids (TSS). Aguas residuales. estará tratado por una instalación de tratamiento de fangos activados y las unidades de tratamiento incluyen un tamiz de barras, una cámara de ecualización, una cámara de aireación, una cámara de clarificación, una cámara de retención de fangos, celdas de filtrado, un filtro terciario, una cámara de compensación, una cámara de compensación y una cámara de contacto con cloro. Además, la instalación incluye un almacenamiento temporal que equivale al menos a tres días del caudal medio diario. Además, la instalación incluye un almacenamiento temporal para el efluente tratado que equivale a al menos tres días del caudal medio diario. Luego, el efluente tratado se distribuirá en el sistema de dispersión por goteo subterráneo para regar el campo dedicado de 6.4 acres.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PROPOSED PERMIT NO. WQ0016822001

APPLICATION. Odessa Lodge-Corporate Hospitality Housing, LLC, 125 East John Carpenter Freeway, Suite 150, Irving, Texas 75062, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Land Application Permit (TLAP) No. WQ0016822001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 27,000 gallons per day via subsurface area drip dispersal irrigation on 6.2 acres of land. The domestic wastewater treatment facility and disposal area will be located at 3006 South U.S. Highway 385, near the city of Odessa, in Ector County, Texas 79766. TCEQ received this application on June 6, 2025. The permit application will be available for viewing and copying at Ector County Library, 321 West 5th Street, Odessa, 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=-102.369166,31.798611&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.**

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 Odessa Lodge-Corporate Hospitality Housing, LLC at the address stated above or by calling Mr. Ravi Mehta, President, at (214) 845-5720.

Issuance Date: July 18, 2025

Comisión de Calidad Ambiental del Estado de Texas

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

PERMISO PROPUESTO NO. WQ0016822001

SOLICITUD. Odessa Lodge-Corporate Hospitality Housing, LLC, 125 East John Carpenter Freeway, Suite 150, Irving, Texas 75062, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) la propuesta de Permiso de Solicitud de Tierras de Texas (TLAP) No. WQ0016822001 para autorizar la eliminación de aguas residuales tratadas en un volumen que no supere un caudal medio diario de 27000 galones mediante riego por goteo subterráneo en un terreno de 6.2 acres. La planta de tratamiento de aguas residuales domésticas y el área de disposición estarán ubicadas en 3006 South U.S. Highway 385, cerca de la ciudad de Odessa, en el condado de Ector, Texas 79766. TCEQ recibió esta solicitud el 6 de junio de 2025. La solicitud de permiso estará disponible para leer y copiar en la Biblioteca del Condado de Ector, 321 West 5th Street, Odessa, en el condado de Ector, Texas, antes de la fecha de publicación de este aviso en el periódico. La solicitud, incluyendo cualquier actualización, y los avisos correspondientes están disponibles electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications. Este enlace a un mapa electrónico con la ubicación general del sitio o instalación se proporciona como cortesía pública y no forma parte de la solicitud ni del aviso. Para conocer la ubicación exacta, consulte la solicitud: https://gisweb.tceq.texas.gov/LocationMapper/?marker=-102.369166,31.798611&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 enviados a los que están en la lista de correo de las personas a lo largo del condado que desean recibir los avisos y los que están en la lista de correo que desean recibir avisos de esta solicitud. El aviso dará la fecha límite para someter comentarios públicos.**

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

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO.

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

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

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

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Ademas, puede pedir que la TCEQ ponga su nombre en una o mas 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 especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envia por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

CONTACTOS E INFORMACIÓN 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 más información de Odessa Lodge-Corporate Hospitality Housing, LLC, en la dirección indicada anteriormente o llamando al Sr. Ravi Mehta, presidente, al (214) 845-5720.

Fecha de emission: 18 de julio de 2025

Engineering Solutions

June 24, 2025

Via Email

Ms. Abesha Michael
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission on Environmental Quality
12100 Park 35 Circle, Building F
Austin, Texas 78753

Re: Odessa Lodge-Corporate Housing Hospitality, LLC (CN605664028)–
Application for Proposed Permit No. WQ0016822001
Odessa Lodge Corporate Hospitality Housing (RN112227483)
Wastewater Treatment Plant Summary Transmittal Letter
TRE Project No. 2113-12515-32

Dear Ms. Michael:

Thank you for your review and comments on the application Permit No. WQ0016822001 for the Odessa Lodge Corporate Hospitality Housing wastewater treatment improvements. This letter contains a response to each of the comments listed in your June 12, 2025 correspondence on behalf of the Odessa Lodge-Corporate Hospitality Housing, LLC.

1. Thank you for the electronic copy of a proposed permit application. We need the paper copy (hardcopy) of one original with original signature page and two copies of the application. Please mail the hardcopy of the whole application.

   TRE Response: Three hardcopies of the application were submitted on June 6, 2025. A copy of TRE's transmittal form that was stamped and signed by TCEQ's Water Quality Application Team was provided thru email correspondence.

2. Section I item 3, Regulated Entity (RN) number, on page 1 of the Core Data Form (CDF) and Section 9A, on page 7 of the application: Thank you for addressing the RN106623648. However, the RN number, which was provided on the CDF and in the application is for Workforce Housing Odessa LLC. The RN number for this new/proposed registration is created as RN112227483. Please update page 1 of the CDF and page 7 of the application.

   TRE Response: The RN number has been revised. Please see the attached revised CDF.

3. Section III, item 22 on page 2 of the Core Data Form (CDF) and Section 11B & C on page 9 of the application: Thank you for addressing these items. However, per the coordinates provided in the CDF and attached Map, the nearest city is **Kermit** and the county is **Winkler**. Please verify if the coordinates are correct and submit a revised CDF or update page 9 of the application.

   TRE Response: The listed coordinates were incorrect and have been revised to match the precise location of the proposed improvements. Please see the

attached revised CDF. Section 11B and C in the application were accurate.

4. Section III, item 23 on page 2 of the Core Data Form (CDF): Thank you for providing the physical address of the proposed facility. However, the distance between the facility location based on the coordinates on the CDF and the street address, 3006 S US Highway 385, Odessa, Texas 79766 is **35.5 miles** far apart. If the coordinates are correct, we suggest, the facility location and disposal area description will be approximately 7.79 miles southeast of the intersection of South State Highway 18 and West State Highway 302, near the city of Kermit, in Winkler County, Texas xxxxx (Zip code to be determined). Please verify and submit a revised and signed page 2 of the CDF. (See map attachment)

   TRE Response: The listed coordinates were incorrect and have been revised to match the precise location of the proposed improvements. Page 2 has also been verified and signed. Please see the attached revised CDF.

5. Section V, item 46 on page 3 of the Core Data Form (CDF): The CDF is not signed. Please provide a revised page 3 signed by Mr. Charles Weber Wallerstein. (the name indicated on the CDF as preparer).

   TRE Response: Along with the revisions made in previous comments, a copy of the CDF with Charles Weber Wallerstein's signature is attached to this comment response letter.

6. Section 1, application fee on page 3 of the administrative report 1.0: The application indicates the amount of the application fee is $350.00. However, we are unable to locate the payment. Please submit a copy of a check or any form of proof of payment for this application.

   TRE Response: The application fee was submitted through electronic payment on June 6, 2025. An email with the receipt attached was provided to TCEQ on June 13, 2025.

7. Section 3A on page 3 and Section 14, Page 11 of the administrative report 1.0: Thank you for the notarized signature page signed by Mr. Ravi Mehta, Asset Managing of Odessa Lodge-Corporate Hospitality Housing, LLC. However, TCEQ rules require that the application be signed by a responsible agent at least the level of vice president (CEO, Chairman of Board, or Secretary). Please confirm and submit a document that Mr. Ravi Mehta meets the signatory requirements under 30 TAC 305.44 and authorized to sign the application. If not, please submit a notarized signature page signed by an authorized agent and also update section 3, item A on page 3 of administrative report accordingly.

   TRE Response: A signature by Ravi Mehta, President, from Corporate Hospitality Housing, LLC has been provided. The original copy with this signature has been hand delivered on 6/24/2025 along with a copy of the old signature page.

8. Section 11A, TLAP Disposal Information on page 9 of the administrative report 1.0. Thank you for addressing this item. However, for a new/proposed permit application the accurate description of the disposal site location is a requirement. Please complete and submit a revised page.

   TRE Response: The accurate description of the disposal site location has been revised to better reflect the actual location of the site.

9. Section 1A, affected landowners' information, on page 12 of the administrative report 1.0: Thank you for the affected landowners' map. However, the map is insufficient. Please submit a map of landowners which shows all the requirements as follows:

   TRE Response: A new affected landowner's map that satisfies Comments 10, 11 and 12 has been attached to this comment response letter.

10. Show and label the applicants' property boundaries and the treatment facility boundary within the applicant's property.

    TRE Response: The applicant's property boundaries have been labeled in the Affected Landowner's Map.

11. Clearly delineate and label the property boundaries of all landowners surrounding the applicant property boundary and the disposal area boundary. Please use 1, 2, 3, etc. for each landowner.

    TRE Response: The property boundaries of all landowners surrounding the applicant's property boundary and the disposal area boundary is more distinguishable. Each surrounding land owner has been identified by a number and can be identified by the cross referenced list.

12. Section 1B affected landowners' information, page 12 of the administrative report 1.0: All landowners identified must be clearly cross-referenced to a list of the landowner **names** and **complete mailing addresses**. The cross-reference mailing list must be in consecutive numeric order (1, 2, 3). The complete list of affected landowners must be provided on a separate sheet of 8 ½ x 11 paper. Please do not use property tax tract numbering system or map ID number.

    TRE Response: A cross-reference list of landowners has been provided with this comment response.

13. Item 1C, Affected landowner information on page 11 of the administrative report 1.1: Thank you for mailing labels. However, we need electronic copy of the labels. Please **email** the affected landowners mailing labels in a **Microsoft word format**, Avery 5160 label format (3 columns across, 10 columns down). To ensure we can use the media to print labels, the list must be evenly spaced, so that each address is printed on one label. Please remove if there is any additional information included with the list, no punctuation.

    TRE Response: A new Affected Landowners mailing list on a Microsoft Word file that adheres to the Avery 5160 label format has been provided with this comment response letter.

14. 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.

TRE Response: Please see Comment #15 for the edit that is needed for this portion of the NORI.

15. **APPLICATION.** Odessa Lodge-Corporate Hospitality Housing, LLC, 125 East John Carpenter Freeway, Suite 150, Irving, Texas 75062, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Land Application Permit (TLAP) No. WQ0016822001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 27,000 gallons per day via subsurface area drip dispersal irrigation on 6.2 acres of land. The domestic wastewater treatment facility and disposal area will be located at 3006 South US Highway 385, in the city of Odessa, in Ector County, Texas 79766 (To be confirmed). The permit application will be available for viewing and copying at Ector County Library, 321 West 5th Street, Odessa, in Ector 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=-102.975277,31.785555&level=18. Further information may also be obtained from Odessa Lodge-Corporate Hospitality Housing, LLC at the address stated above or by calling Mr. Ravi Mehta, Asset Manager, at (214) 845-5720.

    TRE Response: The GIS location is incorrect. Please edit the link in the NORI to show this: https://gisweb.tceq.texas.gov/LocationMapper/?marker=-102.369044,31.798539&level=18. This rest of the NORI has been verified by TRE and the address is confirmed.

16. The application indicates that public notices in Spanish are required. After confirming the portion of the NORI above does not contain any errors or omissions, please use the attached template to translate the NORI into Spanish. Only the first and last paragraphs are unique to this application and require translation. Please provide the translated Spanish NORI in a Microsoft Word document.

    TRE Response: The Spanish NORI is provided with this comment response letter.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME:Odessa Lodge-Corporate Hospitality Housing, LLC

PERMIT NUMBER (If new, leave blank): WQ0016822001

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

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

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region_____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

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

Section 1. Application Fees (Instructions Page 26)

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

Flow	New/Major Amendment	Renewal
<0.05 MGD	$350.00 ☒	$315.00 ☐
≥0.05 but <0.10 MGD	$550.00 ☐	$515.00 ☐
≥0.10 but <0.25 MGD	$850.00 ☐	$815.00 ☐
≥0.25 but <0.50 MGD	$1,250.00 ☐	$1,215.00 ☐
≥0.50 but <1.0 MGD	$1,650.00 ☐	$1,615.00 ☐
≥1.0 MGD	$2,050.00 ☐	$2,015.00 ☐

Minor Amendment (for any flow) $150.00 ☐

Payment Information:

Mailed Check/Money Order Number: Click to enter text.

Check/Money Order Amount: Click to enter text.

Name Printed on Check: Click to enter text.

EPAY Voucher Number: Click to enter text.

Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 26)

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

☐ Publicly Owned Domestic Wastewater

☒ Privately-Owned Domestic Wastewater

☐ Conventional Water Treatment

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

☐ Active ☒ Inactive

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

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

d. Check the box next to the appropriate application type

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

e. For amendments or modifications, describe the proposed changes: N/A

f. **For existing permits**:

Permit Number: WQ00 N/A

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

Expiration Date: N/A

Section 3. Facility Owner (Applicant) and Co-Applicant Information (Instructions Page 26)

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

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

Odessa Lodge-Corporate Hospitality Housing, LLC

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

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

CN: 605664028

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

Prefix: Mr. Last Name, First Name: Mehta, Ravi

Title: President Credential: CCIM

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

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

N/A

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

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

CN: N/A

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

Prefix: N/A Last Name, First Name: N/A

Title: N/A Credential: N/A

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

C. Core Data Form

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

Section 4. Application Contact Information (Instructions Page 27)

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

A. Prefix: Mr. Last Name, First Name: Rosas, Adrian

Title: Vice President Credential: P.E.

Organization Name: TRE & Associates, LLC

Mailing Address: 6101 W. Courtyard, Suite 1-100 City, State, Zip Code: Austin, Texas, 78730

Phone No.: (512) 358-4049 E-mail Address: arosas@tr-eng.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Mr. Last Name, First Name: Wallerstein, Charles

Title: Project Manager Credential: E.I.T.

Organization Name: TRE & Associates, LLC

Mailing Address: 6101 W. Courtyard, Suite 1-100 City, State, Zip Code: Austin, Texas, 78730

Phone No.: (512) 358-4049 E-mail Address: wwallerstein@tr-eng.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

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

A. Prefix: Mr. Last Name, First Name: Rosas, Adrian

Title: Vice President Credential: P.E.

Organization Name: TRE & Associates, LLC

Mailing Address: 6101 W. Courtyard, Suite 1-100 City, State, Zip Code: Austin, Texas, 78730

Phone No.: (512) 358-4049 E-mail Address: arosas@tr-eng.com

B. Prefix: Mr. Last Name, First Name: Wallerstein, Charles

Title: Project Manager Credential: E.I.T.

Organization Name: TRE & Associates, LLC

Mailing Address: 6101 W. Courtyard, Suite 1-100 City, State, Zip Code: Austin, Texas, 78730

Phone No.: (512) 358-4049 E-mail Address: wwallerstein@tr-eng.com

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Mr. Last Name, First Name: Mehta, Ravi

Title: President Credential: CCIM

Organization Name: Odessa Lodge-Corporate Housing Hospitality, LLC

Mailing Address: 125 East John Carpenter Freeway, Suite 1050
City, State, Zip Code: Irving, TX 75062

Phone No.: (214) 845-5720 E-mail Address: Ravi@corphosp.com

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

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

Prefix: Mr. Last Name, First Name: Mehta, Ravi

Title: President Credential: CCIM

Organization Name: Odessa Lodge-Corporate Housing Hospitality, LLC

Mailing Address: 125 East John Carpenter Freeway, Suite 1050
City, State, Zip Code: Irving, TX 75062

Phone No.: (214) 845-5720 E-mail Address: Ravi@corphosp.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Mr. Last Name, First Name: Wallerstein, Charles

Title: Project Manager Credential: E.I.T.

Organization Name: TRE & Associates, LLC

Mailing Address: 6101 W. Courtyard, Suite 1-100 City, State, Zip Code: Austin, Texas 78730

Phone No.: (512) 358-4049 E-mail Address: wwallerstein@tr-eng.com

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

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

☒ E-mail Address

☐ Fax

☒ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Mr. Last Name, First Name: Mehta, Ravi

Title: President Credential: CCIM

Organization Name: Odessa Lodge-Corporate Housing Hospitality, LLC

Mailing Address: 125 East John Carpenter Freeway, Suite 1050
City, State, Zip Code: Irving, TX 75062

Phone No.: (214) 845-5720 E-mail Address: Ravi@corphosp.com

D. Public Viewing Information

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

Public building name: Ector County Library

Location within the building: Click to enter text.

Physical Address of Building: 321 West 5th Street

City: Odessa County: Ector

Contact (Last Name, First Name): Mehta, Ravi

Phone No.: (214) 845-5720 Ext.: Click to enter text.

E. Bilingual Notice Requirements

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

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

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

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

   ☒ Yes ☐ No

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

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

   ☒ Yes ☐ No

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

   ☐ Yes ☒ No

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

   ☐ Yes ☒ No

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

F. Summary of Application in Plain Language Template

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

Attachment: B

G. Public Involvement Plan Form

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

Attachment: C

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

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. **RN** 112227483

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

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

Odessa Lodge; Corporate Housing Hospitality

C. Owner of treatment facility: Odessa Lodge-Corporate Housing Hospitality LLC

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

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

Prefix: Click to enter text.
Last Name, First Name:
Odessa Lodge-Corporate Housing Hospitality LLC (Mr. Ravi Mehta as representative)

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

Organization Name: Click to enter text.

Mailing Address: 125 East John Carpenter Freeway, Suite 150
City, State, Zip Code: Irving, Texas 75062

Phone No.: (214) 845-5720 E-mail Address: Ravi@corphosp.com

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

Attachment: N/A

E. Owner of effluent disposal site:

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

Odessa Lodge; Corporate Housing Hospitality LLC (Mr. Ravi Mehta as representative)

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

Organization Name: Click to enter text.

Mailing Address: 125 East John Carpenter Freeway, Suite 150
City, State, Zip Code: Irving, Texas 75062

Phone No.: (214) 845-5720 E-mail Address: Ravi@corphosp.com

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

Attachment: N/A

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

Prefix: N/A Last Name, First Name: N/A

Title: N/A Credential: N/A

Organization Name: N/A

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

Phone No.: N/A E-mail Address: N/A

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

Attachment: N/A

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☐ Yes ☐ No

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

N/A

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

☐ Yes ☐ No

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

N/A

City nearest the outfall(s): N/A

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

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

☐ Yes ☐ No

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

☐ Authorization granted ☐ Authorization pending

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

Attachment: N/A

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

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes ☐ No

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

New permit application for TLAP disposal – The location of the proposed TLAP disposal site will be a subsurface area drip dispersal system field, approximately 6.2 acres, in Odessa, Ector County, Texas. More accurately, it is in an open field located next to an expanding man camp on 3006 South US Highway 385. The coordinates of the proposed site are 31.798539 W, 102.976277 N,

B. City nearest the disposal site: Odessa

C. County in which the disposal site is located: Ector

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

Pipe routing of effluent from the onsite wastewater treatment facility to go to storage and then to be subsurface drip irrigated in field within the site.

E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Pecos River

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

Click to enter text.

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

☐ Yes ☒ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: Click to enter text.

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If **yes**, provide the following information:

Account number: Click to enter text.

Amount past due: Click to enter text.

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If **yes**, please provide the following information:

Enforcement order number: Click to enter text.

Amount past due: Click to enter text.

Section 13. Attachments (Instructions Page 33)

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

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

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

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

☐ Attachment 1 for Individuals as co-applicants

☒ Other Attachments. Please specify:

- Attachment A – Core Data Form
- Attachment B – Summary of Application in Plain Language Template
- Attachment C – Public Involvement Plan
- Attachment D – USGS Topographic Map 1

Section 14. Signature Page (Instructions Page 34)

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

Permit Number:

Applicant: Odessa Lodge-Corporate Hospitality Housing, LLC

Certification:

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

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

Signatory name (typed or printed): Ravi Mehta

Signatory title: President

Signature: _____ Date: 6/20/25

(Use blue ink)

Subscribed and Sworn to before me by the said Ravi Metha

on this 20th day of June, 2025.

My commission expires on the 20th day of April, 2026.

Notary Public

[SEAL]

DIANA DEL RIO ANTOPIA
Notary Public, State of Texas
Comm. Expires 04-20-2026
Notary ID 133716692

DALLAS
County, Texas

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

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

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

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

C. ☒ Indicate by a check mark that the landowners list has also been provided as mailing labels in electronic format (Avery 5160).

D. Provide the source of the landowners' names and mailing addresses: Ector County Appraisal District

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

☐ Yes ☒ No

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

Click to enter text.

Section 2. Original Photographs (Instructions Page 38)

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

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

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

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

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

Section 3. Buffer Zone Map (Instructions Page 38)

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

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

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

☒ Ownership

☐ Restrictive easement

☐ Nuisance odor control

☐ Variance

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

☒ Yes ☐ No

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: Click to enter text.

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

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

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

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

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

   Name of Project or Site: Click to enter text.

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

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

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 41)

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

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

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

Driver's License or State Identification Number: Click to enter text.

Date of Birth: Click to enter text.

Mailing Address: Click to enter text.

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

Phone Number: Click to enter text. Fax Number: Click to enter text.

E-mail Address: Click to enter text.

CN: Click to enter text.

For Commission Use Only:
Customer Number:
Regulated Entity Number:
Permit Number:

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

Core Data Form (TCEQ Form No. 10400) ☒ Yes
(Required for all application types. Must be completed in its entirety and signed. Note: Form may be signed by applicant representative.)

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

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

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

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

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

Things to Know:

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

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

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

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

Summary of Application (in Plain Language) ☒ Yes

ATTACHMENT A

CORE DATA FORM

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 605664028		**RN 112227483**

SECTION II: Customer Information

4. General Customer Information	**5. Effective Date for Customer Information Updates** (mm/dd/yyyy)	6/6/2025

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

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

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

Odessa Lodge-Corporate Hospitality Housing, LLC

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
0803203991	32069363540		

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

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

13. Independently Owned and Operated?
☒ **Yes** ☐ **No**

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

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

15. Mailing Address:	125 East John Carpenter Freeway, Suite 150						
	City	Irving	**State**	TX	**ZIP**	75062	**ZIP + 4**

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

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(214) 845-5720		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☒ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

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

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

Odessa Lodge-Corporate Hospitality Housing, LLC

23. Street Address of the Regulated Entity: *(No PO Boxes)*	3006 US-385							
	City	Odessa	**State**	TX	**ZIP**	79766	**ZIP + 4**	
24. County	Ector							

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
31	47	54.74	102	22	8.56

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)
7021		721310	

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

Temporary housing for oil and gas worker

34. Mailing Address:	**125 East John Carpenter Freeway, Suite 1050**							
	City	Irving	**State**	TX	**ZIP**	75062	**ZIP + 4**	
35. E-Mail Address:	Ravi@corphosp.com							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(214) 845-5720		( ) -

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

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

SECTION IV: Preparer Information

40. Name:	Charles Weber Wallerstein, E.I.T.	**41. Title:**	Project Manager

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(512) 358-4049		(512) 366-6374	wwallerstein@tr-eng.com

SECTION V: Authorized Signature

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

Company:	TRE & Associates, LLC	**Job Title:**	Project Manager
Name *(In Print)*:	Charles Weber Wallerstein, E.I.T.	**Phone:**	(512) 358- 4049
Signature:	Charles Weber Wallerstein	**Date:**	6/24/2025

Comisión de Calidad Ambiental del Estado de Texas

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

PERMISO NO. WQ0016822001

SOLICITUD. Odessa Lodge-Corporate Hospitality Housing, LLC, 125 East John Carpenter Freeway, Suite 150, Irving, Texas 75062, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) la propuesta de Permiso de Solicitud de Tierras de Texas (TLAP) No. WQ0016822001 para autorizar la eliminación de aguas residuales tratadas en un volumen que no supere un caudal medio diario de 27000 galones mediante riego por goteo subterráneo en un terreno de 6.2 acres. La planta de tratamiento de aguas residuales domésticas y el área de eliminación estarán ubicados en 3006 South US Highway 385, en la ciudad de Odessa, en el condado de Ector, Texas 79766. La solicitud de permiso estará disponible para leer y copiar en la Biblioteca del Condado de Ector, 321 West 5th Street, Odessa, en el condado de Ector, Texas, antes de la fecha de publicación de este aviso en el periódico. La solicitud, incluyendo cualquier actualización, y los avisos correspondientes están disponibles electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications. Este enlace a un mapa electrónico con la ubicación general del sitio o instalación se proporciona como cortesía pública y no forma parte de la solicitud ni del aviso. Para conocer la ubicación exacta, consulte la solicitud: https://gisweb.tceq.texas.gov/LocationMapper/?marker=-102.369044,31.798539&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 enviados a los que están en la lista de correo de las personas a lo largo del condado que desean recibir los avisos y los que están en la lista de correo que desean recibir avisos de esta solicitud. El aviso dará la fecha límite para someter comentarios públicos.**

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

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

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

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

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

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Ademas, puede pedir que la TCEQ ponga su nombre en una o mas 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 especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envia por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

CONTACTOS E INFORMACIÓN 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 más información de Odessa Lodge-Corporate Hospitality Housing, LLC, en la dirección indicada anteriormente o llamando al Sr. Ravi Mehta, Gerente de Activos, al (214) 845-5720.

Fecha de emission:

MAP #	ONWER NAME	MAILING ADDRESS	CITY	STATE	Zip Code
1	MAX IT HOLDINGS LLC	22885 CIELO VIS	SAN ANTONIO	TEXAS	78255
2	ONCOR ELECTRIC DELIVERY COMPANY 00013 K E ANDREWS	PO BOX 139100	DALLAS	TEXAS	75313-9100
3	BAIZA PROPERTY INC	PO BOX 4478	ODESSA	TEXAS	79760-4478
4	TRIPLEPLAY TRANSPORT LLC	9545 S US HIGHWAY 385	ODESSA	TEXAS	79766-9249

Permit No.: WQ0016822001
Applicant: Odessa Lodge-Corporate Hospitality Housing LLC

MAX IT HOLDINGS LLC 22885 CIELO VIS SAN ANTONIO TEXAS 78255 9504	ONCOR ELECTRIC DELIVERY COMPANY 00013 K E ANDREWS PO BOX 139100 DALLAS TEXAS 75313 9100	BAIZA PROPERTIES INC PO BOX 4478 ODESSA TEXAS 79760 4478
TRIPLEPLAY TRANSPORT LLC 9545 S US HIGHWAY 385 ODESSA TEXAS 79766 9249		

ATTACHMENT F

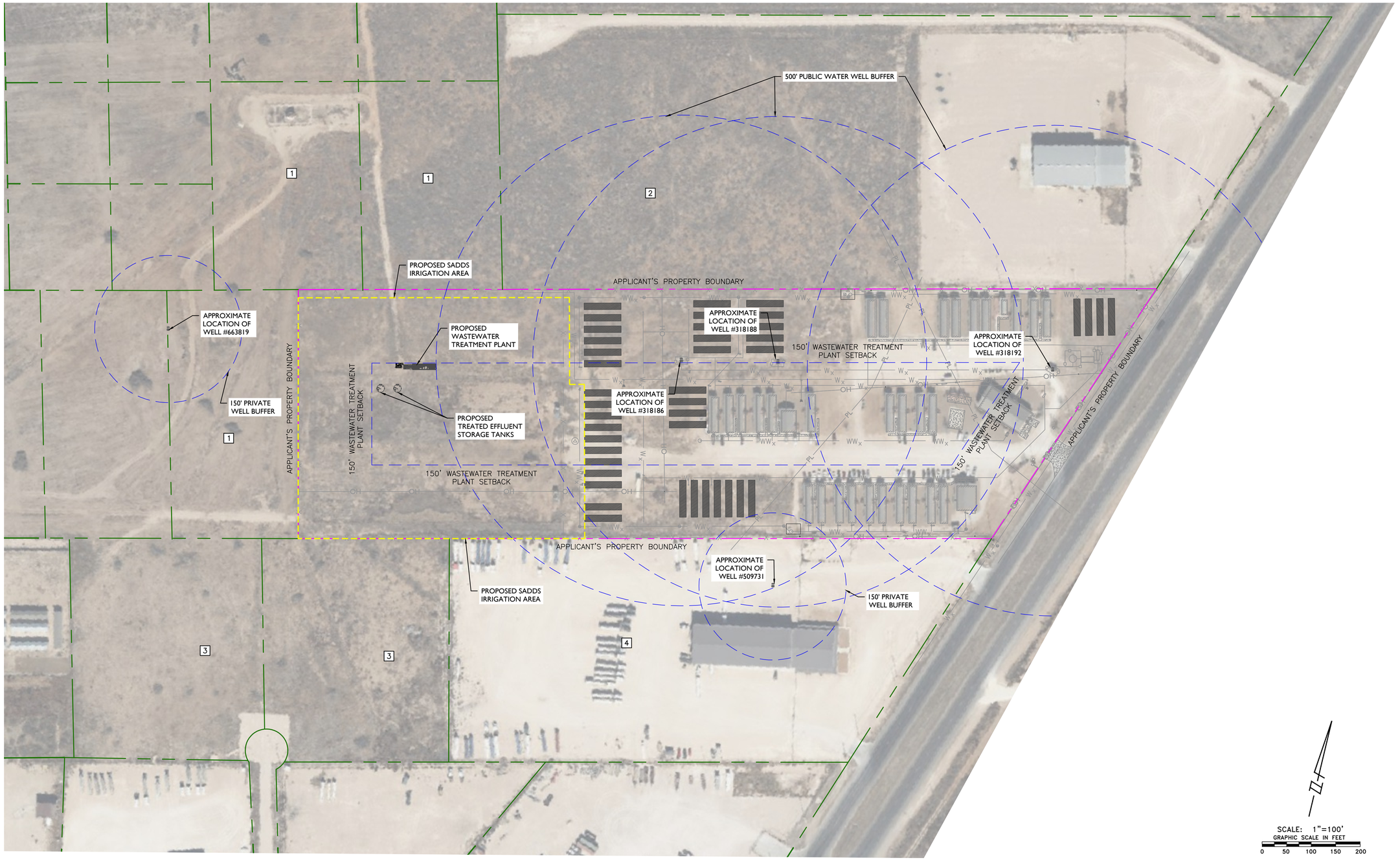
AFFECTED LAND OWNERS MAP

NOTES:

1. APPROXIMATE LOCATIONS OF WATER WELLS BASED FROM TEXAS.GOV WATER DATA INTERACTIVE GIS MAP
2. WELLS 318192, 318188, AND 318186 ARE CONFIRMED TO BE WITHIN THE APPLICANT'S PROPERTY BOUNDARIES

LEGEND

- APPLICANT PROPERTY BOUNDARY
- NEIGHBORING PROPERTY BOUNDARY
- SETBACKS AND BUFFERS
- SUBSURFACE AREA DRIP DISPERSAL TREATMENT AND IRRIGATION AREA
- 500' SADDS IRRIGATION FIELD OFFSET LINE/ AFFECTED LANDOWNER LINE
- [#] AFFECTED LANDOWNER NUMBER (SEE ATTACHED AFFECTED LANDOWNERS LIST)



SCALE: 1"=100'
GRAPHIC SCALE IN FEET
0 50 100 150 200

TRE & ASSOCIATES
Engineering Solutions
TBPE FIRM No. 13997
110 Mesa Park Drive, Ste. 200
El Paso, Texas 79912
Office: (915) 852-8093
Fax: (915) 629-8506

6101 W. Courtyard Dr., Bldg. 1, Suite 100
Austin, Texas 78746
Office: (512) 358-4049
Fax: (512) 366-5374

PROJECT NO. 2113.12515
DWG FILE: AFFECTED LAND OWNERS
DATE: June 25

DESIGNED BY: WW
DRAWN BY: WW
CHECKED BY: BGL

NO.	BY	DATE	REVISION DESCRIPTION

CHH ODESSA US 385
WORKFORCE HOUSING
WASTEWATER COLLECTION
SYSTEM IMPROVEMENTS
ODESSA, TEXAS

AFFECTED LANDOWNERS EXHIBIT

SHEET OF

FILE: P:\2113 Corporate Hospitality Housing Orla, LLC\12515 – CHH Odessa US 385 – Wastewater Treatment Systems Improvements\CAD\Sheets\Affected Land Owners.dwg LAYOUT: BLANK DATE: 6/24/2025 3:17:43 PM BY: WWALLERSTEIN

TRE & ASSOCIATES
Engineering Solutions

ODESSA LODGE-CORPORATE HOSPITALITY HOUSING, LLC

DOMESTIC WASTEWATER PERMIT APPLICATION

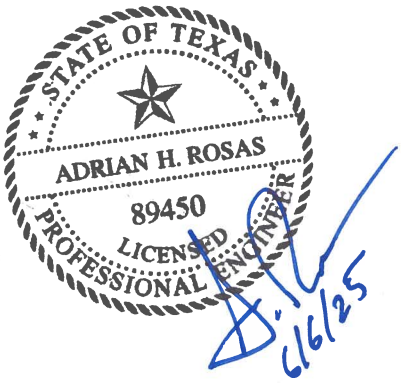
June 2025

Prepared for:

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Prepared by:

TRE & Associates, LLC
6101 W Courtyard Dr. STE 1-100
Austin, TX 78730



TRE Job No.: 2113-12515-32

Engineering Solutions

June 6, 2025

Via Hand-Delivery

Mr. Matthew Udenenwu, P.E.
Texas Commission on Environmental Quality
c/o Wastewater Permitting Section, MC 148
12100 Park 35 Circle, Building F
Austin, Texas 78753

Re: Odessa Lodge-Corporate Housing Hospitality, LLC– TLAP Permit No.
Wastewater Treatment Plant Summary Transmittal Letter
TRE Project No. 2113-12515-32

Dear Mr. Undenenwu,

Odessa Lodge-Corporate Housing Hospitality, LLC submitted a TLAP Permit No. (Permit) on June 6, 2025. The Permit states under Special Provisions, Item 7 on Page 34 that Odessa Lodge-Corporate Housing Hospitality must submit a summary transmittal letter providing the treatment system documentation and collection system set forth in Chapter 217.6 (d) of the Texas Administrative Code. The wastewater treatment plant specified in the application is not in operation, while the collection system has been mostly constructed. Provided below is the summary information required in meeting the requirements of that rule with supporting documentation attached.

Engineering Firm: TRE & Associates, LLC; 6101 W. Courtyard Drive, Building 1, Suite 100; Austin, Texas 78730 (TBPE Firm No. 13987).

Engineer: Adrian H. Rosas, P.E. (#89450); 512-358-4049; arosas@tr-eng.com.

Project Location: 3006 S. U.S. Hwy 385, Odessa, Texas 79766 located in Ector County.

Project Name: CHH Odessa US 385 Workforce Housing Wastewater Collection System Improvements

Wastewater Treatment Facility Owner: Odessa Lodge-Corporate Housing Hospitality; 125 East John Carpenter Freeway, Suite 1050, Irving, Texas 75026.

Plans and Specifications: It is our opinion that the plans and specifications supporting the wastewater treatment plant are in substantial compliance with the requirements of Chapter 217.

Variance Certification: No variances to the rules in Chapter 217 are requested for the Odessa Lodge-Corporate Housing Hospitality wastewater treatment plant.

Project Scope: The wastewater treatment facility supported by the Permit has been designed to receive for treatment an average daily flow of 0.027 million gallons per day of domestic wastewater. The Pollution Control Systems (PCS) wastewater treatment package plant is a system that functions by creating an environment with sufficient oxygen levels and agitation to allow for bio-oxidation of the wastes to suitable levels for discharge. An engineering design report

supporting the treatment unit is provided as Attachment 1. Treated wastewater from the treatment unit will be collected in proposed storage tanks with a total volume capacity of 81,000 gallons for storage of treated effluent prior to irrigation.

Treatment Unit List: The proposed treatment unit is the 0.027 million gallons per day unit presented in the Project Scope. A subsurface area drip disposal system is proposed and discussed in greater detail in the Project Scope.

Location Map: An aerial map of the existing Odessa Lodge-Corporate Housing Hospitality wastewater treatment plants, the proposed wastewater treatment plants, and the proposed drip irrigation field is provided.

Requested Variances to the Rules: There are no variances requested for the AWS unit located at the Odessa Lodge-Corporate Housing Hospitality.

A copy of this summary transmittal letter will be available at the plant site for inspection by authorized representatives of the TCEQ. Should you have any questions regarding this submittal in support of the Odessa Lodge-Corporate Hospitality Housing wastewater treatment plant and proposed subsurface area drip dispersal system, please contact me at arosas@tr-eng.com.

Sincerely,
TRE & Associates, LLC

Adrian Rosas, P.E.
Vice President

AR:ja
Attachments

cc: Weber Wallerstein, E.I.T, Project Manager, TRE & Associates, LLC, wwallerstein@tr-eng.com
John M. Jansing, Jr., P.E., Vice President, TRE & Associates, LLC, jjansing@tr-eng.com

Attachment 1 – Engineering Design Report

Engineering Solutions

ODESSA LODGE-CORPORATE HOSPITALITY HOUSING, LLC

DOMESTIC WASTEWATER PERMIT APPLICATION

June 2025

Prepared for:

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Prepared by:

TRE & Associates, LLC
6101 W Courtyard Dr. STE 1-100
Austin, TX 78730

TRE Job No.: 2113-12515-32

TABLE OF CONTENTS

1.0 Introduction

Corporate Hospitality Housing (CHH) is undertaking a project that involves installing a 27,000 gpd capacity pre-engineered and prefabricated carbon steel wastewater treatment plant (WWTP), designed and manufactured by Pollution Control Systems Inc. (PCS), to treat wastewater produced by the CHH's workforce camp located in Odessa, Texas. In addition to the 27,000 gpd WWTP, CHH will be required to extend the existing force main lines and replace the pumps in the existing lift stations for the wastewater to reach the new WWTP location. Lift stations will be used to convey untreated and treated effluent into the WWTP and proposed 3-day storage. Workforce camps experience significant diurnal variations in flow, with high flows in the early morning and evening and near zero flows during the night. The WWTP accommodates these flow variations. Algorithms used for sizing of this tank are provided later in this document.

Currently, two existing 5,000 gpd WWTPs treat sanitary wastewater produced by the camp. Ector County records for one of the WWTPs indicates that the treated effluent flows to an unlined evapotranspiration system. This existing wastewater treatment system does not meet the 27,000 gpd capacity required for the expansion of the camp

2.0 Process Description Summary

The PCS WWTP utilizes the biological extended aeration principle of operation. This variation of the activated sludge treatment process functions by creating an environment with sufficient oxygen levels and agitation to allow for bio-oxidation of the wastes to suitable levels for discharge. The system makes use of bacteria and other microorganisms to remove up to 95% of the organic matter in wastewater.

The influent wastewater enters the wastewater treatment package plant by passing through a comminutor and/or bar screen for gross solids removal. This step provides for the mechanical reduction of solids prior to aeration.

Once the wastewater has entered the aeration chamber, the untreated flow is mixed with an active biomass in a rolling action that takes place the length and width of the chamber in a slow forward progression. This rolling mixing action is the result of air originating from air diffusers located along one side of the bottom of the tank. This ensures that adequate mixing is maintained in the tank. The chambers are filleted on each side along the bottom to assure and enhance the rolling motion of the water and to eliminate any "dead zones" in the tank. The oxygen transfer achieved with the diffused air passing through the wastewater coupled with the rolling action provides a sufficient oxygen supply allowing microorganisms to oxidize treatable waste into carbon dioxide, water, and stable sludge.

After aeration, the wastewater flows to the clarifier that typically has a hopper bottom configuration. The wastewater clarifiers are sized to provide the required retention time based on an average twenty-four-hour design flow. During the settling period, solids settle on the bottom of the clarifier. Airlift pumps with adjustable pumping capabilities are used to return these solids, as activated sludge, to the aeration chamber to maintain the maximum efficiency of the biological process. When necessary, excess sludge is wasted to an aerated sludge digestion tank for

additional treatment and reduction. A skimmer airlift pump is used to return floatable solids and scum to the aeration chamber for further processing.

Post-treatment filtration will be used to produce a higher quality effluent. The treated water flows from the clarifier to a disinfection chamber for treatment via chlorination or ultra-violet (UV) disinfection prior to discharge to complete the treatment process.

Treated effluent from the WWTP will be conveyed to storage that has a capacity of three times the daily capacity. Then, the treated effluent will discharge to a 6.45-acre subsurface area drip dispersal field in accordance with Texas Commission on Environmental Quality (TCEQ) requirements.

PCS has designed and currently operates numerous wastewater treatment plants with similar populations and facility contributions to wastewater flow. The following design basis represents the influent loading data derived from a summary and average of data collected from these operating facilities.

- **Design Criteria:**
    - Influent Wastewater Flow: 26,500 gpd (530-person population x 50 gal/person/day)
    - Operations: Automated, with minimal Operations and Maintenance.
    - Influent Wastewater Quality:

Parameter	Design Value
BOD_5	≤400 mg/L
TSS	≤400 mg/L
COD	≤700 mg/L
DO	2-4 mg/L
CLARITY (Secchi Disc)	3-8 ft
PH	6.8 – 8.0

    - Effluent Quality for Permitting Purposes:

Parameter	Design Value
BOD_5	30 mg/L
TSS	30 mg/L

2.1 Wastewater Treatment Facility Design

The subject WWTP facility consists of the following subsystems:

- Inlet Facilities
- Pretreatment
- Equalization Basin
- Aeration Tank
- Clarifier
- Sludge Holding Tank
- Tertiary Filter
- Outlet Facilities

2.1.1 Inlet Facilities and Pretreatment

The Pollution Control Systems Inc. (PCS) WWTP starts its extended aeration process by having raw sewage from a lift station pass through a bar screen to remove any unusually large solids from the raw sewage. The bar screen will be fabricated from ½" diameter bars spaced 1" apart and be sloped to permit easy cleaning of accumulating debris.

2.1.2 Equalization Basin

After the bar screen, the sewage will travel to the flow equalization chamber. Flow equalization is a method of temporarily storing wastewater during periods of excessive flows, then feeding it to the treatment plant uniformly throughout the 24-hour period. The flow equalization chamber will be supplied with a volume designed to handle 25% to 100% of the daily design flow. This chamber allows for a constant flow through the plant by equalizing flow surges that may be incurred during peak flow times.

Flow control will be accomplished by pumping the plant influent to a flow control box containing an adjustable overflow broad weir and av-notch discharge weir. The overflow broad weir will be adjustable so that a measure amount of pumped influent will discharge through the V-notch weir to the aeration chamber, while recycling the remaining pumped influent back to the equalization chamber.

A duplex set of equalization pumps will be furnished and installed within the chamber. An emergency overflow will be provided between the equalization and aeration chamber. Liquid level sensors will regulate the pumps. Controls will be provided in the plant control panel.

A blower/motor unit mounted in a fiberglass housing will be supplied to meet the air requirements of the equalization chamber. Liquid level sensors will regulate the pumps and blower/motor unit. Controls will be provided in the plant control panel.

2.1.3 Aeration Tank

The aeration chamber will be of sufficient capacity to provide a minimum of 24 hours of retention of the average daily flow, and/or maximum loading of 15 pounds of BOD5 per 1,000 cubic feet of aeration tank volume.

To ensure maximum retention, enhance spiral rotation and eliminate short-circuiting of raw sewage, the aeration chamber will be constructed with fillets top and bottom, air diffusers will be placed longitudinally along one side of the chamber, and flow control baffles will be provided. To ensure adequate circulation velocity, the proportion of chamber width to depth, in the direction of rotation will not exceed 1.33 to 1. The velocity of rotation will be sufficient to scour the chamber bottom and prevent sludge filleting as well as to prevent the escape to the surface of minuscule air diffusion bubbles, causing their entrapment to provide maximum oxygenation efficiency.

2.1.4 Clarifier

The clarifier chamber will be sized to provide a minimum of 6 hours retention, based upon the same design flow rates governing the aeration chamber, and will have proper baffling to prevent short circuiting and to provide maximum uniform retention.

The total settling volume will include the volume of the upper one-third of the sludge hopper. The bottom of the chamber will be formed into an inverted pyramidal hopper or hoppers.

Sludge wasting from the WWTP is accomplished via the Return Activated Sludge (RAS)/ Waste Activated Sludge (WAS) pump and the WAS flow control valve from the bottom of the membrane tank to divert mixed liquor to the desired location. The frequency and duration of WAS diversion is operator adjustable and the instantaneous flow is displayed on the flow meter provided in the RAS/WAS line. The volume of WAS removed from the system is used to control the MLSS in the EQ/Bioreactor tank. The WAS removed from the treatment system is directed to the external sludge storage tank, to eventually be trucked off-site for handling at an appropriate off-site facility.

Settled sludge will be returned from the clarifier sludge hopper to the aeration chamber by the positive sludge return system, consisting of one or more airlift pumps.

The clarifier effluent will pass over the edge of the baffled effluent weir into the effluent trough and then out of the chamber. The effluent weir trough will be equipped with an adjustment to permit precise leveling of the serrated weir after the plant installation.

2.1.5 Sludge Holding Tank

Diffused air will be supplied by the plant blower system supplying 30 CFM of air per 1000 cubic feet of volume. The diffusers will be located parallel to and near the bottom of the tank. All piping and valves within the chamber will be factory installed. A fixed supernatant decant pipe will be provided within this chamber

2.1.6 Post-Treatment Filtration

The post-treatment filter provides for flow division, filtration, air scouring, backwashing, surge control and disinfection of the wastewater.

The secondary effluent will enter the filter through a flow division chamber where the flow will be divided equally to each of the two (2) filter cells. Each filter cell will provide for the filtration of biological treatment plant effluent by the use of a dual media. This media contains both sand and anthracite to accomplish the sequential filtration and removal of suspended solids. The filter media is fully submerged to evenly distribute the water over the entire filter cell.

The water percolates through the filter cells and then into the area below the filter nozzle plates. From there the filtrate flows through the backwash pipe, backwash pumps and into the clearwell. The filtrate in the clearwell will then overflow into the disinfection chamber. The disinfection chamber will provide for the addition and mixing of a disinfectant with the filtrate. The disinfection chamber will also provide the required retention time to ensure the through disinfection of the effluent.

As the surface of the filter cells become covered with solids, the water level begins to rise. The rising wastewater level activates the air scouring and backwash cycles. The backwash cycle will use filtrate from the clearwell to backwash and dislodge the solids entrapped in the media. The media will be automatically air scoured and backwashed as air and clean filtrate water is pumped through the filter media from the bottom up, dislodging the retained solids.

The air scouring cycle will provide for the agitation of the solids that have been collected in the upper portion of the media. The rising backwash water overflows into the surge chamber. The surge chamber collects the backwash water and pumps it back to the head of the biological treatment system over several hours by using the flow control valves in the discharge line.

2.2.7 Chlorine Contact Chamber

The chlorine contact tank will have a minimum of 20 minutes of retention based on the design flow. Sufficient mixing baffles will be supplied to ensure proper mixing of the chlorine solution with the filter effluent. A tablet style chlorinator feeder will be provided for use with disinfection tablets.

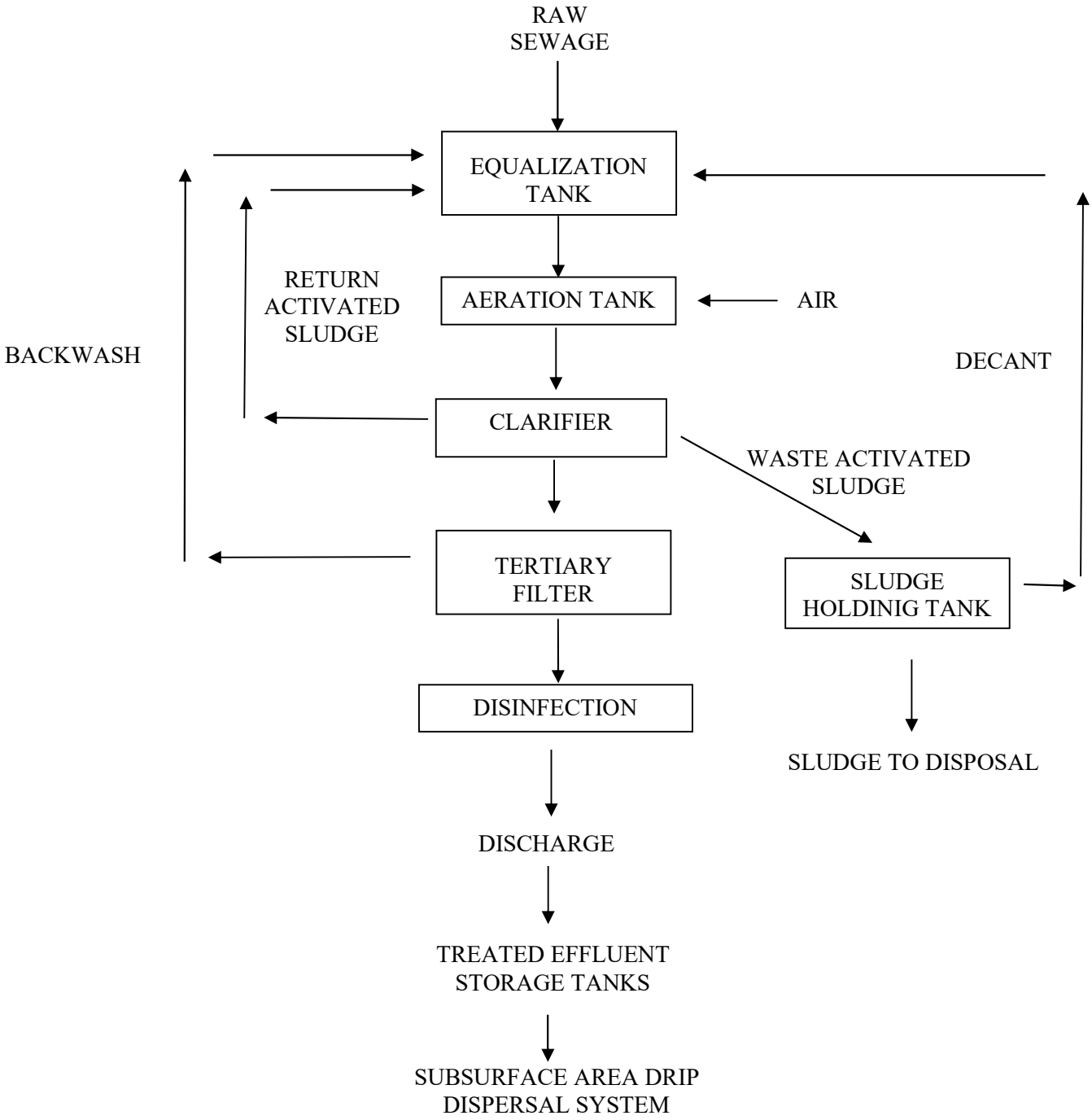
3.0 Wastewater Treatment Plant Operational Controls

The WWTP shall perform laboratory tests required by TCEQ. With minor exceptions, these tests, when required, should be performed in accordance with the latest edition of “Standard Methods for Analysis of Water and Waste Water.” The Sludge Settling Test is an absolute necessity for control and for proper operation of the plant. This simple 30 minute settling test is designed for quick and easy indication of the condition of the plant and where a problem may be developing. Other tests that can be utilized to find issues in the WWTP are Dissolved Oxygen (D.O.) Tests, pH Tests, and Chlorine Residual Tests.

PCS will provide the Owner with complete O&M documentation and will provide complete operations & maintenance training. Specialized tools (if required) will be provided with the WWTP and training on their use will be provided to the Owner. Details on the specialized tools (if any) and their use will be provided in the O&M manual supplied with the system.

A central control system will be installed within a weatherproof enclosure will be provided. The enclosure will be rated NEMA 4X-F Fiberglass. The electrical controls will consist of magnetic starters, program timers and switches necessary to automatically control all electrical devices and/or motors on the sewage treatment system. M-O-A selector switches and magnetic starters in conjunction with the program timer will control the blower/motor. The program timers will have the capability to operate the treatment system when required as determined by the variation in the daily flow rate. Properly sized circuit breakers and fuses will protect all electrical equipment and circuitry. The control system will be designed to operate all duplex or standby equipment.

4.0 System Process Flow Diagram



5.0 Sizing Calculations for WWTP and Post-Treatment Filtration

A) Required Treatment for Influent Wastewater Flow:
530-person population x 50 gal/person/day = 26,500 gpd

Provided Wastewater Treatment Per Day: 27,000 gpd

B) 3 Day Storage of Treated Effluent = 27,000 gpd * 3 = 81,000 gallons

C) Subsurface Application Area = 27,000 gpd * 0.1 gal/sf/day / 4356 sf/acre = 6.20 Acres

D) 24-Hour Average Daily Flow (=ADF=Q) 27,000 gpd = 1,125 gph = 18.75 gpm.

E) BOD_5 loading of 230 ppm = 0.027 * 8.34 * 230 = 51.79 pounds/day.

F) Equalization Tank Sizing

Peak Hourly Flow to Equalization Tank = 3Q

Peak Flow from Equalization to Aeration Tank is 1.5Q

27,000 gpd * 1.5 = 40,500 gpd = 1,687.50 gph = 28.12 gpm

Equalization Tank is sized at 33%Q = 0.33 *27,000 gallons = 8,910 gallons.

Actual total volume = 9,041 gallons.

G) Aeration Tank Sizing

Loaded at 15# BOD per 1,000 cu.ft.

(51.79#)/(15#/1000 cu.ft.) = 3,452 cu.ft.

(3,4527 cu.ft.)(7.48 gal/cu.ft.) = 25,820.96 gal. required in Aeration Zone

Actual total volume = 27,000 gallons.

H) Clarifier Tank Sizing

Surface Overflow Rate at Design Peak Hourly Flow = 1,000 gal/sq.ft./day.

(40,500 gpd) / (1,000 gpd/sq.ft.) = 40.50 sq.ft. Required

Actual total area = 135 sq.ft.

Weir Loading at Design Peak Hourly Flow = 20,000 gal/lin.ft./day.
(40,500 gpd) / (20,000 gpd/lin.ft.) = 2.02 linear feet of weir.
Actual weir length =7.50 lin.ft.

Peak Solids Loading at 35 lbs./day/sq.ft.
(51.79*1.5)/35 = 2.22 sq.ft. req'd = 135 sq.ft. provided = 0.58 lbs/day/sq.ft.

I) Sludge Holding Sizing

Based on 3 cu.ft./capita ((capita = 100 gpd flow)
27,000 gpd / 100 gpd = 270 capita
(3 cu.ft./cap) (270 cap) = 810 cu.ft.
(810 cu.ft.) (7.48 gal/cu. ft) = 6,058.80 gallons
Actual total volume = 6,090 gallons

J) Tertiary Filter - Filter Cells

Sized at 5 gpm/sq.ft. at Peak Flow w/ One Cell Out of Service
(28.12 gpm) / (5 gpm/sq.ft.) = 5.62 sq.ft. per cell
Actual area provided = 2 cells each with 11 sq.ft.

K) Tertiary Filter – Clearwell Tank

Sized With Volume for Backwashing of Two Filter Cells
(2 cells) (11 sq.ft.) (15 gpm/sq.ft.) (5 min.) =1,650 gal.
Actual volume provided = 1,945 gal.

L) Tertiary Filter – Surge (Mudwell) Tank

Sized to Hold Backwashing Volume and half the ADF During Backwashing
(1,650 gal) + ((18.75 gpm * 0.5) * 10 min.) = 1,743.75 gal.
Surge Pump rate of 15% ADF = 2.81 gpm
(1,743.75 gal) – (2.81 gpm * 30 min full backwash cycle) = 1,734.36 gal.
Actual volume provided =1,765 gal.

M) Tertiary Filter – Chlorine Contact

Sized Based on 30 min. Detention at ADF

(30 min.) (18.75 gpm) = 562.50 gal.

Actual volume provided = 920 gal.

N) Blower/Motor – Equalization Tank

Based on 1.25 cfm per 1,000 gallons

(1.25 cfm / 1,000 gal.) (9,041 gal) = 11.30 cfm

Actual air provided = 20 cfm.

O) Blower/Motor – Aeration/Sludge/Airlifts

Sludge Holding Based on 30 cfm/1,000 cu.ft.

(6,090 gal) / (7.48 gal/cu.ft.) = 814.17 cu.ft.

(814.17 cu.ft.) (30 cfm / 1,000 cu. ft) = 24.42 cfm

Aeration Basin based on 2,050 cu.ft./d/#BOD

((2,050) (51.79))/1440 = 73.73 cfm

Airlifts

Two sludge airlifts @ 6 cfm/lift = 12 cfm

Two skimmer airlifts @ 3 cfm/lift = 6 cfm

Total cfm required = 24.42 + 73.73 + 12 + 6 = 116.15 cfm.

Actual air provided = 118 cfm.

P) Blower/Motor – Tertiary Filter

Air Scour Based on Scouring Filter Cell @ 1 cfm/sq.ft.

(11 sq.ft.) (1 cfm/sq.ft.) = 11 cfm

Actual air provided = 22 cfm

Q) Equalization Pumps

Sized Based on 1.5 Q to Aeration Tank = 28.12 gpm

Equalization Pumps Pump to Flow Regulator Box

Flow Regulator Box Provided w/V-Notch = 30 gpm to Aeration Tank

Excess Flow Returned to Equalization Tank

Equalization Pump Provided = 120 gpm @ 10'TDH

R) Backwash Pumps – Tertiary Filter

Sized Based on 15 gpm/sq.ft of Filter Cell Area

(11 sq.ft.) (15 gpm) =165 gpm

Backwash Pump Throttled to Provide = 165 gpm

Backwash Pump Provided = 200 gpm @ 22' TDH

S) Surge (Mudwell) Pumps – Tertiary Filter

Sized Based on 15% ADF

(18.79 gpm) (15%) = 2.21 gpm

Surge Pump Provided w/Pee-Back System to Provide = 3.00 gpm

Surge Pump Provided = 55 gpm @ 20' TDH

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME:Odessa Lodge-Corporate Hospitality Housing, LLC

PERMIT NUMBER (If new, leave blank): WQ00Click to enter text.

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

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

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region_____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

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

Section 1. Application Fees (Instructions Page 26)

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

Flow	New/Major Amendment	Renewal
<0.05 MGD	$350.00 ☒	$315.00 ☐
≥0.05 but <0.10 MGD	$550.00 ☐	$515.00 ☐
≥0.10 but <0.25 MGD	$850.00 ☐	$815.00 ☐
≥0.25 but <0.50 MGD	$1,250.00 ☐	$1,215.00 ☐
≥0.50 but <1.0 MGD	$1,650.00 ☐	$1,615.00 ☐
≥1.0 MGD	$2,050.00 ☐	$2,015.00 ☐

Minor Amendment (for any flow) $150.00 ☐

Payment Information:

Mailed Check/Money Order Number: Click to enter text.

Check/Money Order Amount: Click to enter text.

Name Printed on Check: Click to enter text.

EPAY Voucher Number: Click to enter text.

Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 26)

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

☐ Publicly Owned Domestic Wastewater

☒ Privately-Owned Domestic Wastewater

☐ Conventional Water Treatment

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

☐ Active ☒ Inactive

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

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

d. Check the box next to the appropriate application type

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

e. For amendments or modifications, describe the proposed changes: N/A

f. **For existing permits**:

Permit Number: WQ00 N/A

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

Expiration Date: N/A

Section 3. Facility Owner (Applicant) and Co-Applicant Information (Instructions Page 26)

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

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

Odessa Lodge-Corporate Hospitality Housing, LLC

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

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

CN: 605664028

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

Prefix: Mr. Last Name, First Name: Mehta, Ravi

Title: Asset Manager Credential: CCIM

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

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

N/A

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

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

CN: N/A

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

Prefix: N/A Last Name, First Name: N/A

Title: N/A Credential: N/A

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

C. Core Data Form

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

Section 4. Application Contact Information (Instructions Page 27)

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

A. Prefix: Mr. Last Name, First Name: Lane, Bradley

Title: Senior Project Manager Credential: P.E.

Organization Name: TRE & Associates, LLC

Mailing Address: 6101 W. Courtyard, Suite 1-100 City, State, Zip Code: Austin, Texas, 78730

Phone No.: (512) 358-4049 E-mail Address: blane@tr-eng.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Mr. Last Name, First Name: Wallerstein, Charles

Title: Project Manager Credential: E.I.T.

Organization Name: TRE & Associates, LLC

Mailing Address: 6101 W. Courtyard, Suite 1-100 City, State, Zip Code: Austin, Texas, 78730

Phone No.: (512) 358-4049 E-mail Address: wwallerstein@tr-eng.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

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

A. Prefix: Mr. Last Name, First Name: Lane, Bradley

Title: Senior Project Manager Credential: P.E.

Organization Name: TRE & Associates, LLC

Mailing Address: 6101 W. Courtyard, Suite 1-100 City, State, Zip Code: Austin, Texas, 78730

Phone No.: (512) 358-4049 E-mail Address: blane@tr-eng.com

B. Prefix: Mr. Last Name, First Name: Wallerstein, Charles

Title: Project Manager Credential: E.I.T.

Organization Name: TRE & Associates, LLC

Mailing Address: 6101 W. Courtyard, Suite 1-100 City, State, Zip Code: Austin, Texas, 78730

Phone No.: (512) 358-4049 E-mail Address: wwallerstein@tr-eng.com

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Mr. Last Name, First Name: Mehta, Ravi

Title: Asset Manager Credential: CCIM

Organization Name: Odessa LodgeCorporate Housing Hospitality, LLC

Mailing Address: 125 East John Carpenter Freeway, Suite 1050
City, State, Zip Code: Irving, TX 75062

Phone No.: (214) 845-5720 E-mail Address: Ravi@corphosp.com

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

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

Prefix: Mr. Last Name, First Name: Mehta, Ravi

Title: Asset Manager Credential: CCIM

Organization Name: Odessa Lodge-Corporate Housing Hospitality, LLC

Mailing Address: 125 East John Carpenter Freeway, Suite 1050
City, State, Zip Code: Irving, TX 75062

Phone No.: (214) 845-5720 E-mail Address: Ravi@corphosp.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Mr. Last Name, First Name: Wallerstein, Charles

Title: Project Manager Credential: E.I.T.

Organization Name: TRE & Associates, LLC

Mailing Address: 6101 W. Courtyard, Suite 1-100 City, State, Zip Code: Austin, Texas 78730

Phone No.: (512) 358-4049 E-mail Address: wwallerstein@tr-eng.com

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

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

☒ E-mail Address

☐ Fax

☒ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Mr. Last Name, First Name: Mehta, Ravi

Title: Asset Manager Credential: CCIM

Organization Name: Odessa Lodge-Corporate Housing Hospitality, LLC

Mailing Address: 125 East John Carpenter Freeway, Suite 1050
City, State, Zip Code: Irving, TX 75062

Phone No.: (214) 845-5720 E-mail Address: Ravi@corphosp.com

D. Public Viewing Information

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

Public building name: Ector County Library

Location within the building: Click to enter text.

Physical Address of Building: 321 West 5th Street

City: Odessa County: Ector

Contact (Last Name, First Name): Mehta, Ravi

Phone No.: (214) 845-5720 Ext.: Click to enter text.

E. Bilingual Notice Requirements

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

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

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

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

   ☒ Yes ☐ No

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

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

   ☒ Yes ☐ No

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

   ☐ Yes ☒ No

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

   ☐ Yes ☒ No

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

F. Summary of Application in Plain Language Template

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

Attachment: B

G. Public Involvement Plan Form

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

Attachment: C

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

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. **RN** 106623648
Search the TCEQ's Central Registry at http://www15.tceq.texas.gov/crpub/ to determine if the site is currently regulated by TCEQ.

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

Odessa Lodge Corporate Housing Hospitality

C. Owner of treatment facility: Odessa Lodge-Corporate Housing Hospitality LLC

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

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

Prefix: Click to enter text.
Last Name, First Name:
Odessa Lodge-Corporate Housing Hospitality LLC (Mr. Ravi Mehta as representative)

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

Organization Name: Click to enter text.

Mailing Address: 125 East John Carpenter Freeway, Suite 150
City, State, Zip Code: Irving, Texas 75062

Phone No.: (214) 845-5720 E-mail Address: Ravi@corphosp.com

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

Attachment: N/A

E. Owner of effluent disposal site:

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

Odessa Lodge; Corporate Housing Hospitality LLC (Mr. Ravi Mehta as representative)

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

Organization Name: Click to enter text.

Mailing Address: 125 East John Carpenter Freeway, Suite 150
City, State, Zip Code: Irving, Texas 75062

Phone No.: (214) 845-5720 E-mail Address: Ravi@corphosp.com

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

Attachment: N/A

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

Prefix: N/A Last Name, First Name: N/A

Title: N/A Credential: N/A

Organization Name: N/A

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

Phone No.: N/A E-mail Address: N/A

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

Attachment: N/A

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☐ Yes ☐ No

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

N/A

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

☐ Yes ☐ No

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

N/A

City nearest the outfall(s): N/A

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

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

☐ Yes ☐ No

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

☐ Authorization granted ☐ Authorization pending

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

Attachment: N/A

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

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes ☐ No

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

New permit application for TLAP disposal – treated effluent disposal is accomplished through drip irrigation within property boundaries. Subsurface drip irrigation field is approximately 6.45 acres.

B. City nearest the disposal site: Odessa

C. County in which the disposal site is located: Ector

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

Pipe routing of effluent from the onsite wastewater treatment facility to go to storage and then to be subsurface drip irrigated in field within the site.

E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Pecos River

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

Click to enter text.

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

☐ Yes ☒ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: Click to enter text.

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If **yes**, provide the following information:

Account number: Click to enter text.

Amount past due: Click to enter text.

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If **yes**, please provide the following information:

Enforcement order number: Click to enter text.

Amount past due: Click to enter text.

Section 13. Attachments (Instructions Page 33)

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

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

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

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

☐ Attachment 1 for Individuals as co-applicants

☒ Other Attachments. Please specify:

- Attachment A – Core Data Form
- Attachment B – Summary of Application in Plain Language Template
- Attachment C – Public Involvement Plan
- Attachment D – USGS Topographic Map 1
- Attachment E – USGS Topographic Map 2

Section 14. Signature Page (Instructions Page 34)

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

Permit Number:

Applicant: Odessa Lodge-Corporate Hospitality Housing, LLC

Certification:

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

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

Signatory name (typed or printed): Ravi Mehta

Signatory title: Asset Manager

Signature: _____ Date: 6/2/25

(Use blue ink)

Subscribed and Sworn to before me by the said Ravi Mehta

on this 2nd day of June, 20 25.

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

Notary Public *[SEAL]*

DALLAS

County, Texas

DIANA DEL RIO ANTOPIA
Notary Public, State of Texas
Comm. Expires 04-20-2026
Notary ID 133716692

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

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

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

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

C. ☒ Indicate by a check mark that the landowners list has also been provided as mailing labels in electronic format (Avery 5160).

D. Provide the source of the landowners' names and mailing addresses: Ector County Appraisal District

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

☐ Yes ☒ No

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

Click to enter text.

Section 2. Original Photographs (Instructions Page 38)

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

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

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

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

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

Section 3. Buffer Zone Map (Instructions Page 38)

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

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

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

☒ Ownership

☐ Restrictive easement

☐ Nuisance odor control

☐ Variance

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

☒ Yes ☐ No

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: Click to enter text.

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

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

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

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

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

   Name of Project or Site: Click to enter text.

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

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

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 41)

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

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

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

Driver's License or State Identification Number: Click to enter text.

Date of Birth: Click to enter text.

Mailing Address: Click to enter text.

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

Phone Number: Click to enter text. Fax Number: Click to enter text.

E-mail Address: Click to enter text.

CN: Click to enter text.

For Commission Use Only:
Customer Number:
Regulated Entity Number:
Permit Number:

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

Core Data Form (TCEQ Form No. 10400) ☒ Yes
(Required for all application types. Must be completed in its entirety and signed. Note: Form may be signed by applicant representative.)

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

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

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

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

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

Things to Know:

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

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

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

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

Summary of Application (in Plain Language) ☒ Yes

ATTACHMENT A

CORE DATA FORM

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

☐ Renewal *(Core Data Form should be submitted with the renewal form)*

☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 605664028		**RN** 106623648

SECTION II: Customer Information

4. General Customer Information	**5. Effective Date for Customer Information Updates** (mm/dd/yyyy)	6/6/2025

☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership

☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

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

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)*	*If new Customer, enter previous Customer below:*
Odessa Lodge-Corporate Hospitality Housing, LLC	

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
0803203991	32069363540		

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

12. Number of Employees	**13. Independently Owned and Operated?**
☐ 0-20 ☒ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher	☒ **Yes** ☐ **No**

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

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

15. Mailing Address:	125 East John Carpenter Freeway, Suite 150						
	City	Irving	**State**	TX	**ZIP**	75062	**ZIP + 4**

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

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(214) 845-5720		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☒ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

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

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

Odessa Lodge-Corporate Hospitality Housing, LLC

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	3006 US-385							
	City	Odessa	**State**	TX	**ZIP**	79766	**ZIP + 4**	
24. County	Ector							

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
31	47.54	08	102	58.31	31

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)
7021		721310	

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

Temporary housing for oil and gas worker

34. Mailing Address:	**125 East John Carpenter Freeway, Suite 1050**							
	City	**Irving**	**State**	**TX**	**ZIP**	**75062**	**ZIP + 4**	

35. E-Mail Address:	**Ravi@corphosp.com**

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(214) 845-5720		( ) -

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

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater WQ0016822001	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	Charles Weber Wallerstein, E.I.T.	**41. Title:**	Project Manager

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(512 **)** 358-4049		**(** 512 **)** 366-6374	wwallerstein@tr-eng.com

SECTION V: Authorized Signature

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

Company:	TRE & Associates, LLC	**Job Title:**	Project Manager	
Name *(In Print):*	Charles Weber Wallerstein, E.I.T.		**Phone:**	**(** 512 **)** 358- **4049**
Signature:			**Date:**	

ATTACHMENT B

SUMMARY OF APPLICATION IN PLAIN LANGUAGE TEMPLATE

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

Applicants should use this template to develop a plain language summary of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your 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 you 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. After filling in the information for your facility delete these instructions.

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

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

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

Odessa Lodge-Corporate Hospitality Housing, LLC (CN605664028) proposes to operate the Odessa Lodge-Corporate Hospitality Housing wastewater treatment plant (RN# N/A), a corporate housing facility designed specifically to meet the needs of the workforce of the oil fields. The facility will be located at 3006 US-385, in Odessa, Ector County, Texas 79766. This application proposes a new amendment to dispose a daily average flow not to exceed 27,000 per day of treated domestic wastewater effluent subsurface area drip dispersal systems (SADDS) with a minimum area of 6.20 acres. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain BOD5 and Total Suspended Solids (TSS). Wastewater will be treated by an activated sludge process plant and the treatment units include a bar screen, an equalization chamber, an aeration chamber, a clarifier chamber, a sludge holding chamber, post treatment filtration, a clearwell chamber, a surge chamber, and

a chlorine contact chamber. In addition, the facility includes a temporary storage for treated effluent that equals to at least three days of the daily average flow. The treated effluent will then be distributed into the subsurface drip dispersal system to irrigate the dedicated 6.4-acre field.

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

AGUAS RESIDUALES DOMESTICAS **/AGUAS PLUVIALES**

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

Odessa Lodge-Corporation Hospitality Housing, LLC (CN605664028) propone operar Odessa Lodge-Corporate Hospitality Housing planta de tratamiento de aguas residuales (RN# N/A), un centro de alojamiento corporativo diseñado específicamente para satisfacer las necesidades de la mano de obra de los campos petrolíferos . La instalación estará ubicada en 3006 US-385, en Odessa, Condado de Ector, Texas 79766. Esta solicitud propone una nueva modificación para verter un caudal medio diario no superior a 27.000 al día de efluentes de aguas residuales domésticas tratadas sistemas de dispersión por goteo de superficie subsuperficial (SADDS) con una superficie mínima de 6,20 acres. Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan BOD5 y Total Suspended Solids (TSS). Aguas residuales. estará tratado por una instalación de tratamiento de fangos activados y las unidades de tratamiento incluyen un tamiz de barras, una cámara de ecualización, una cámara de aireación, una cámara de clarificación, una cámara de retención de fangos, celdas de filtrado, un filtro terciario, una cámara de compensación, una cámara de compensación y una cámara de contacto con cloro. Además, la instalación incluye un almacenamiento temporal que equivale al menos a tres días del caudal medio diario. Además, la instalación incluye un almacenamiento temporal para el efluente tratado que equivale a al menos tres días del caudal medio diario. Luego, el efluente tratado se distribuirá en el sistema de dispersión por goteo subterráneo para regar el campo dedicado de 6.4 acres.

INSTRUCTIONS

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

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

Example 1: Industrial Wastewater TPDES Application (ENGLISH)

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

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

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

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

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

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

Example 2: Domestic Wastewater TPDES Renewal 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.

The City of Texas (CN000000000) operates the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the complete mix mode. The facility is located at 123 Texas Street, near the City of More Texas, Texas County, Texas 71234.

This application is for a renewal to discharge at an annual average flow of 1,200,000 gallons per day of treated domestic wastewater via Outfalls 001 and 002.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH_3-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, a grit chamber, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

Example 3: Domestic Wastewater TPDES New 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.

The City of Texas (CN000000000) proposes to operate the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the extended aeration mode. The facility will be located at 123 Texas Street, in the City of More Texas, Texas County, Texas 71234.

This application is for a new application to discharge at a daily average flow of 200,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH_3-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater will be treated by an activated sludge process plant and the treatment units will include a bar screen, a grit chamber, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

Example 4: Domestic Wastewater TLAP Renewal 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.

The City of Texas (CN000000000) operates the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the complete mix mode. The facility is located at 123 Texas Street, near the City of More Texas, Texas County, Texas 71234.

This application is for a renewal to dispose a daily average flow not to exceed 76,500 gallons per day of treated domestic wastewater via public access subsurface drip irrigation system with a minimum area of 32 acres. This permit will not authorize a discharge of pollutants into water in the state.

Land application of domestic wastewater from the facility are expected to contain five-day biochemical oxygen demand (BOD_5), total suspended solids (TSS), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, an equalization basin, an aeration basin, a final clarifier, an aerobic sludge digester, tertiary filters, and a chlorine contact chamber. In addition, the facility includes a temporary storage that equals to at least three days of the daily average flow.

ATTACHMENT C

PUBLIC INVOLVMENT PLAN

Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

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

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

Section 1. Preliminary Screening

☒ New Permit or Registration Application

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

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

Section 2. Secondary Screening

☒ Requires public notice,

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

☒ Located within any of the following geographical locations:

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

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

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

The proposed wastewater improvements have no affect on the public or public infrastructure.

Section 3. Application Information

Type of Application (check all that apply):

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

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

Water Quality

☐ Texas Pollutant Discharge Elimination System (TPDES)

- ☐ Texas Land Application Permit (TLAP)
- ☐ State Only Concentrated Animal Feeding Operation (CAFO)
- ☐ Water Treatment Plant Residuals Disposal Permit

☐ Class B Biosolids Land Application Permit

☐ Domestic Septage Land Application Registration

Water Rights New Permit

☐ New Appropriation of Water

☐ New or existing reservoir

Amendment to an Existing Water Right

☐ Add a New Appropriation of Water

☐ Add a New or Existing Reservoir

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

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Section 5. Community and Demographic Information

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

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

(City)

(County)

(Census Tract)
Please indicate which of these three is the level used for gathering the following information.

☐ City ☐ County ☐ Census Tract

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

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

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

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

(e) Languages commonly spoken in area by percentage

(f) Community and/or Stakeholder Groups

(g) Historic public interest or involvement

Section 6. Planned Public Outreach Activities

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

☐ Yes ☒ No

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

☐ Yes ☒ No

If Yes, please describe.

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

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

☐ Yes ☐ No

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

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

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

☐ TCEQ Regional Office ☐ TCEQ Central Office

☐ Public Place (specify)

Section 7. Voluntary Submittal

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

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

☐ Yes ☐ No

What types of notice will be provided?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

ATTACHMENT D

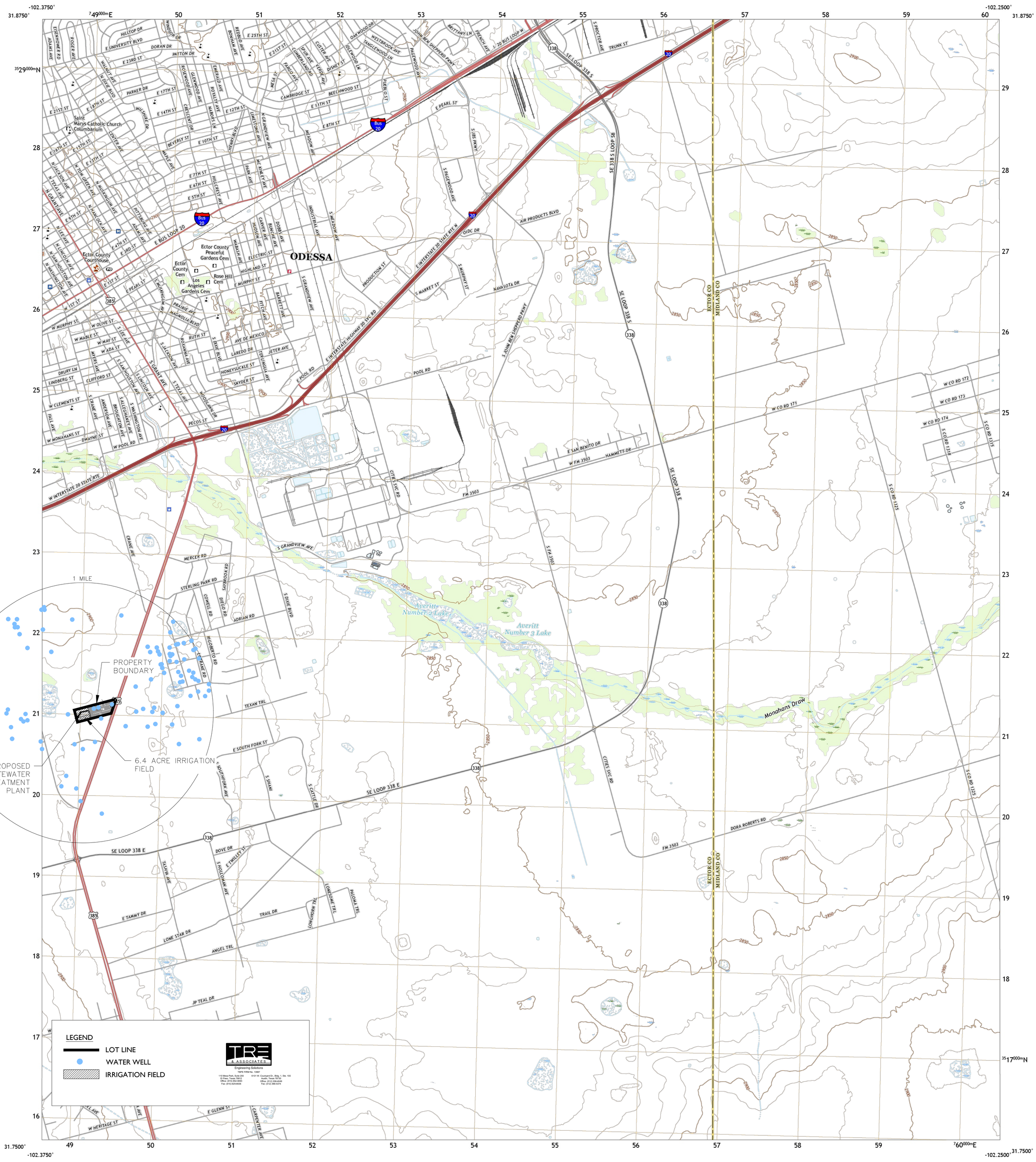
USGS TOPOGRAPHIC MAP 1

USGS MAP

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

The National Map US Topo

ODESSA SE 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 grid:Universal Transverse Mercator, Zone 13R

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

Imagery.....NAIP, October 2016 - November 2016
Roads.....U.S. Census Bureau, 2015 - 2018
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

MN
GN
6°10'
110 MILS
1°25'
25 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
GR
Grid Zone Designation
13R

SCALE 1:24 000

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

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

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

QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES
1 Odessa NW
2 Odessa NE
3 Southwest Midland
4 Odessa SW
5 Parks
6 Clark Brothers Ranch
7 South Cowden Ranch
8 Bongo Corner NW

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

ODESSA SE, TX
2022

NSN 7643016397513
NGA REF NO. USGSX24K32924

ATTACHMENT E

USGS TOPOGRAPHIC MAP 2

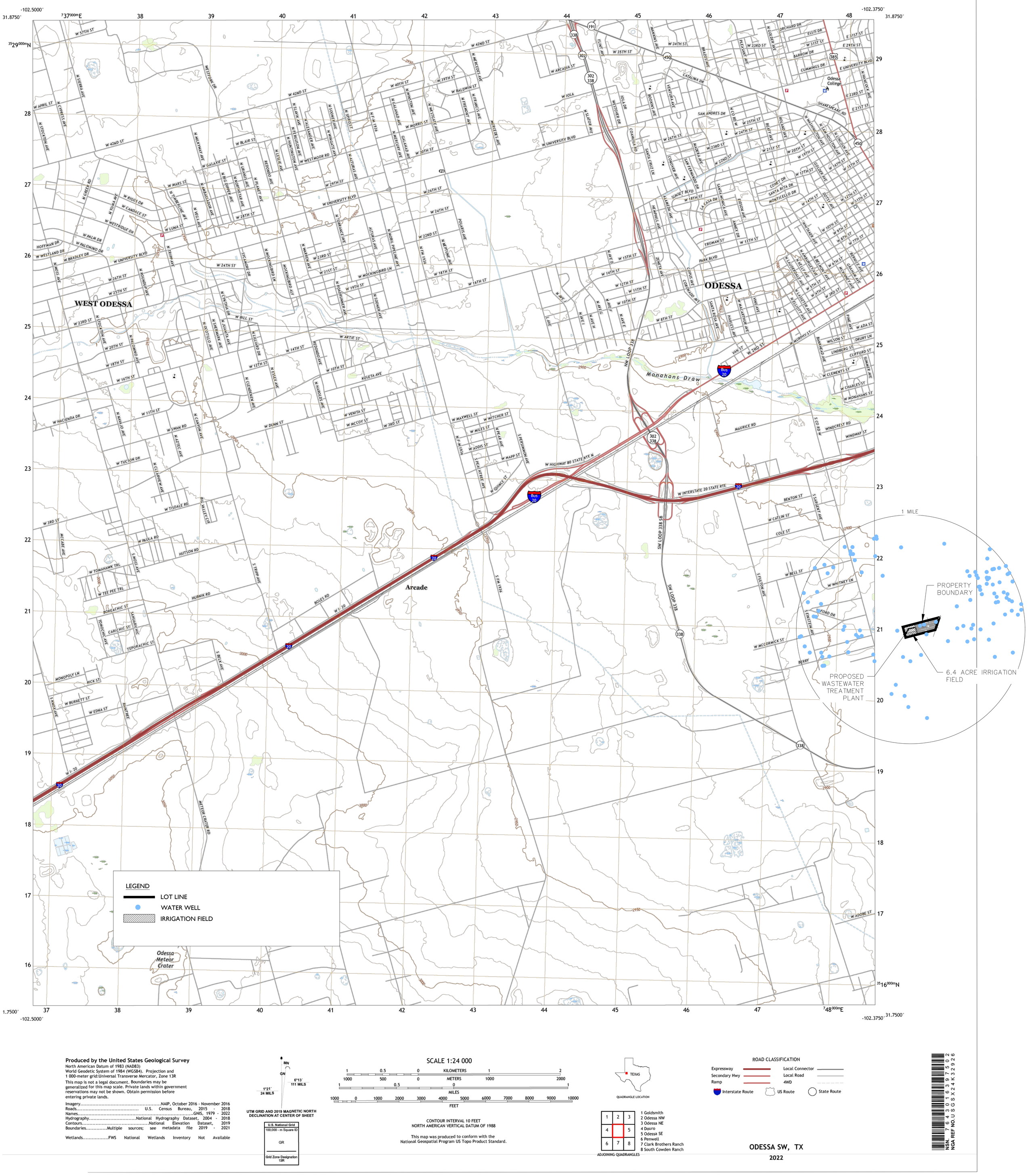
USGS MAP

USGS science for a changing world

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

The National Map US Topo

ODESSA SW QUADRANGLE
TEXAS - ECTOR 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 13R

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

Imagery.....NAIP, October 2016 - November 2016
Roads..... U.S. Census Bureau, 2015 - 2018
Names.....GNIS, 1979 - 2022
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

MN
GN
1°21′ 24 MILS
6°13′ 111 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
GR
Grid Zone Designation 13R

SCALE 1:24 000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1 MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

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

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES
1 Goldsmith
2 Odessa NW
3 Odessa NE
4 Douro
5 Odessa SE
6 Penwell
7 Clark Brothers Ranch
8 South Cowden Ranch

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

NSN, 7643016397502
NGA REF NO.USGSX24K32926

ODESSA SW, TX
2022

ATTACHMENT F

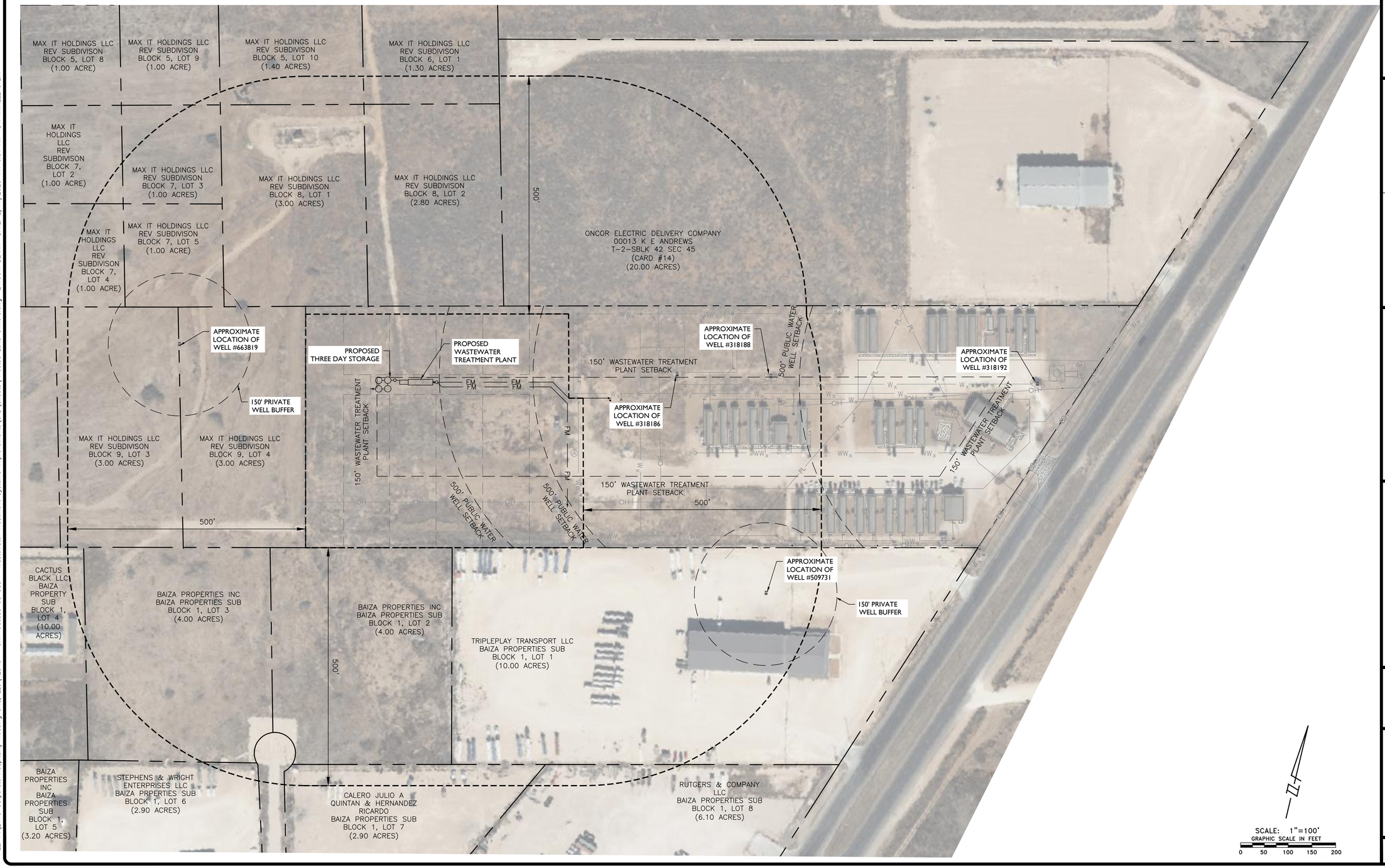
AFFECTED LAND OWNERS MAP

NOTES:

1. APPROXIMATE LOCATIONS OF WATER WELLS BASED FROM TEXAS.GOV WATER DATA INTERACTIVE GIS MAP
2. WELLS 318192, 318188, AND 318186 ARE CONFIRMED TO BE WITHIN THE APPLICANT'S PROPERTY BOUNDARIES

LEGEND

- APPLICANT PROPERTY BOUNDARY
- NEIGHBORING PROPERTY BOUNDARY
- 500' PLANT UNIT BUFFER
- OTHER WASTEWATER BUFFERS



SCALE: 1"=100'
GRAPHIC SCALE IN FEET
0 50 100 150 200

TRE & ASSOCIATES
Engineering Solutions
TBPE FIRM No. 13997
110 Mesa Park Drive, Ste. 200
El Paso, Texas 79912
Office: (915) 852-8093
Fax: (915) 629-8506
6101 W. Courtyard Dr., Bldg. 1, Suite 100
Austin, Texas 78746
Office: (512) 358-4049
Fax: (512) 366-5374

PROJECT NO. 2113.12515
DWG FILE: AFFECTED LAND OWNERS
DATE: July 24

DESIGNED BY: WW
DRAWN BY: WW
CHECKED BY: BGL

NO.	BY	DATE	REVISION DESCRIPTION

CHH ODESSA US 385
WORKFORCE HOUSING
WASTEWATER SUPPLY
SYSTEM IMPROVEMENTS
ODESSA, TEXAS

AFFECTED LANDOWNERS EXHIBIT

NOTICE:
ALTERATION OF A SEALED DRAWING WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS A VIOLATION OF THE TEXAS ENGINEERING PRACTICE ACT.

SHEET OF

FILE: P:\2113 Corporate Hospitality Housing Orla, LLC\12515 - CHH Odessa US 385 - Wastewater Treatment Systems Improvements\CAD\Sheets\Affected Land Owners.dwg LAYOUT: BLANK DATE: 2/11/2025 11:46:51 AM BY: WWALLERSTEIN

TRE & ASSOCIATES
Engineering Solutions

ATTACHMENT G

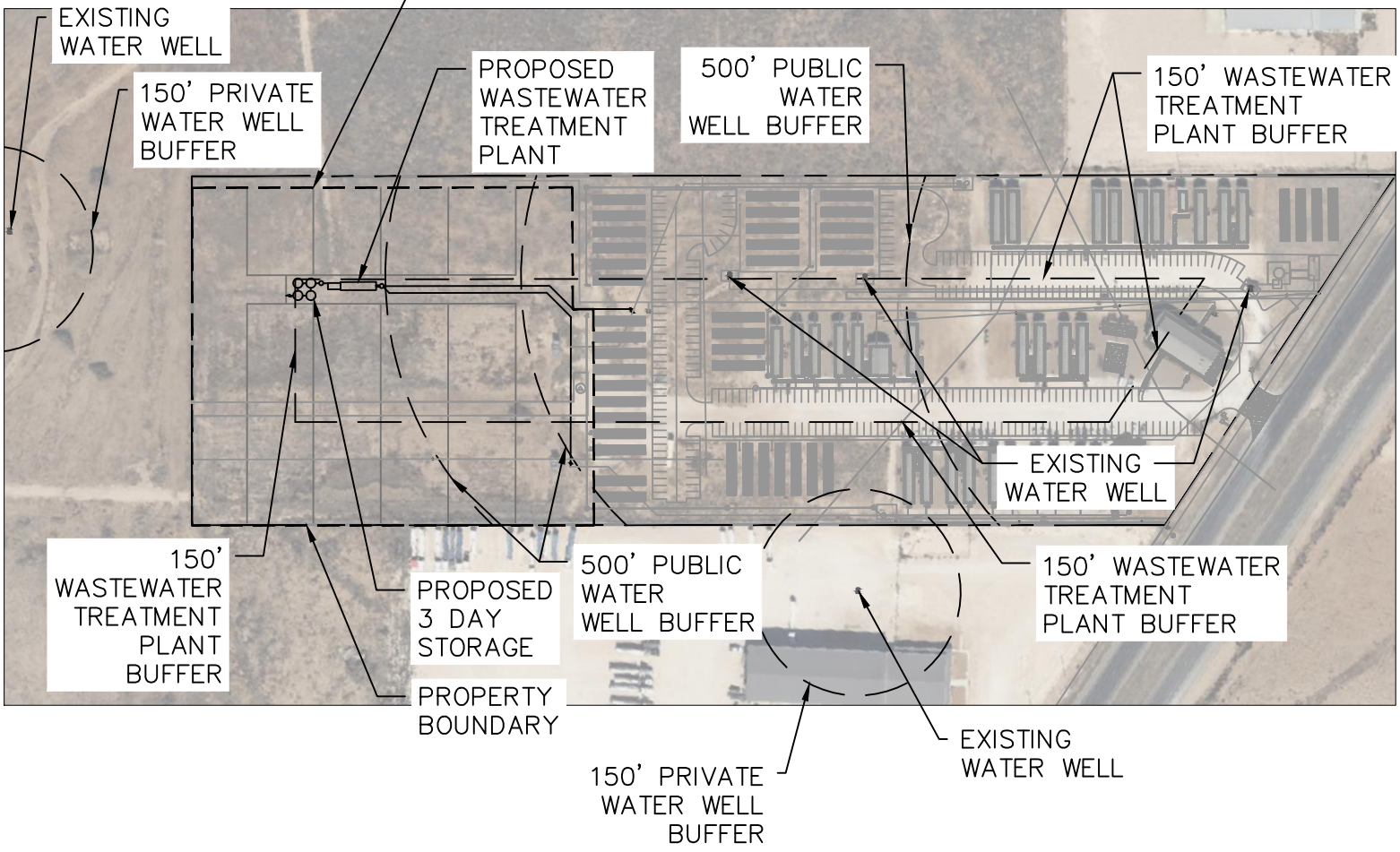
LANDOWNERS LABEL AND CROSS REFERENCE LIST

Permit No.:

Applicant: Odessa Lodge-Corporate Hospitality Housing LLC

MAX IT HOLDINGS LLC 22885 CIELO VIS SAN ANTONIO, TX 78255-9504	ONCOR ELECTRIC DELIVERY COMPANY 00013 K E ANDREWS PO BOX 139100 DALLAS, TEXAS 75313-9100	BAIZA PROPERTIES INC PO BOX 4478 ODESSA, TEXAS 79760-4478
TRIPLEPLAY TRANSPORT LLC 9545 S US HIGHWAY 385 ODESSA, TEXAS 79766-9249	RUTGERS & COMPANY LLC 4190 SE 186TH PL VANCOUVER, WASHINGTON 98683-7410	CALERO JULIO A QUINTANA & HERNANDEZ RICARDO 925 N WASHINGTON AVE APT 109 ODESSA, TEXAS 79761-2150
CACTUS BLACK LLC 285 RIO DRIVE NEW BRAUNFELS, TEXAS 78130-3905	STEPHENS & WRIGHT ENTERPRISES LLC 12628 S HIGHWAY 81 SANTO, TEXAS 76472-3851	

BUFFER ZONE MAP



LEGEND

LOT LINE

BUFFER

TRE & ASSOCIATES
Engineering Solutions
TBPE FIRM No. 13987
110 Mesa Park, Suite 200
El Paso, Texas 79912
Office: (915) 852-8093
Fax: (915) 629-8506
6101 W. Courtyard Dr., Bldg. 1, Ste. 100
Austin, Texas 78730
Office: (512) 358-4049
Fax: (512) 366-5374

SCALE: 1"=250'

GRAPHIC SCALE IN FEET

0 125 250 375 500

CHH ODESSA US 385 WORKFORCE HOUSING

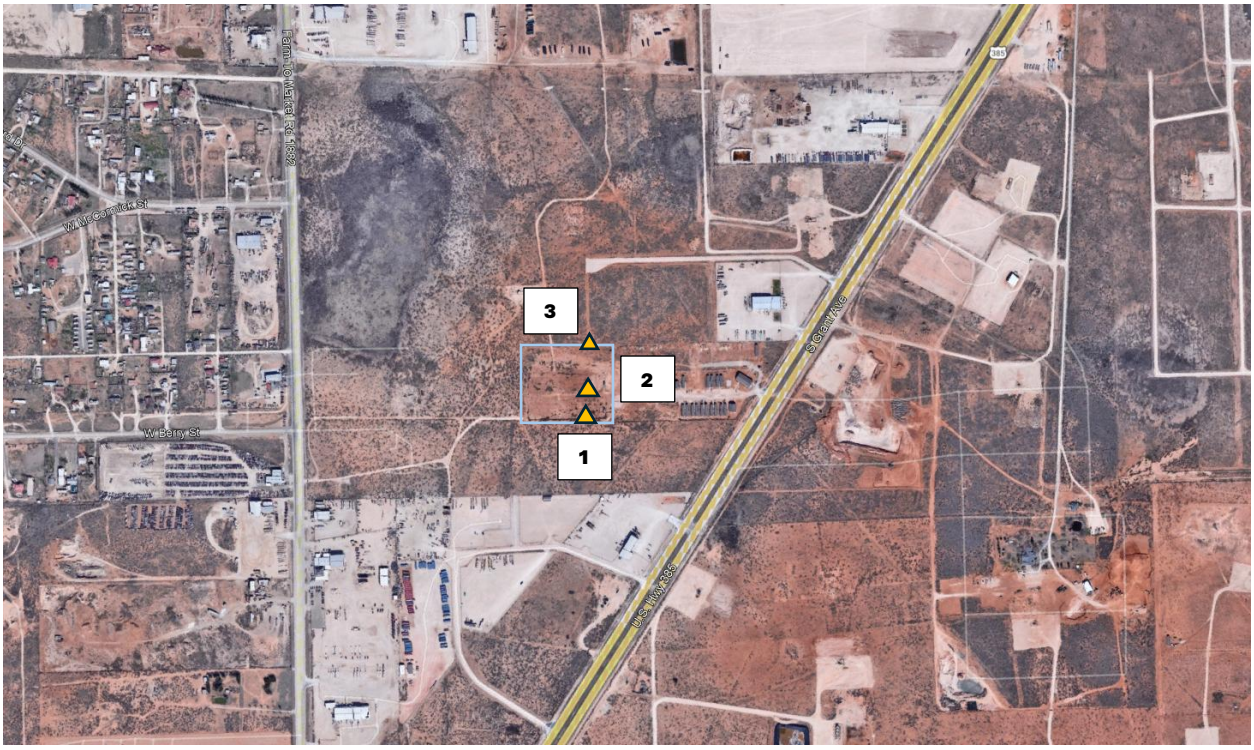
Future Site of Wastewater Treatment Plant and Subsurface Area Dispersal Field

1. (South Property Boundary looking North)

2. (East Side of Proposed SADDS Field looking West)

3. (Nouth Property Boundary looking South)

Aerial Map



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

A. Existing/Interim I Phase

Design Flow (MGD): 0.0270

2-Hr Peak Flow (MGD): 0.0032

Estimated construction start date: December 1, 2025

Estimated waste disposal start date: January 1, 2026

B. Interim II Phase

Design Flow (MGD):

2-Hr Peak Flow (MGD): Click to enter text.

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

C. Final Phase

Design Flow (MGD): Click to enter text.

2-Hr Peak Flow (MGD): Click to enter text.

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

D. Current Operating Phase

Provide the startup date of the facility: Click to enter text.

Section 2. Treatment Process (Instructions Page 42)

A. Current Operating Phase

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

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

The prefabricated package plant from Pollution Control Systems, Inc. (PCS) utilizes the biological extended aeration principle of operation, which is a variation of the activated sludge treatment process. The system functions by creating an environment with sufficient oxygen levels and agitation to allow for bio-oxidation of the wastes to suitable levels for discharge. The process starts with influent wastewater entering the plant from a sewer submersible pump and then passing through a comminutor and/or bar screen for gross solids removal prior to aeration. Once the wastewater has entered the aeration chamber, the untreated flow is mixed with an active biomass in a rolling action that takes place the length and width of the chamber in a slow forward progression. This rolling mixing action is the result of air originating from air diffusers located along one side of the bottom of the tank. The oxygen transfer achieved with the diffused air passing through the wastewater coupled with the rolling action provides a sufficient oxygen supply allowing microorganisms to oxidize treatable wastes into carbon dioxide, water, and stable sludge. After aeration, the wastewater flows to the clarifier that has a hopper bottom configuration. During the settling period, solids settle on the bottom of the clarifier. Airlift pumps with adjustable pumping capabilities are used to return these solids, as activated sludge, to the aeration chamber to maintain the maximum efficiency of the biological process. When necessary, excess sludge is wasted to an aerated sludge digestion tank for additional treatment and reduction. A skimmer airlift pump is used to return floatable solids and scum to the aeration chamber for further processing. The treated water flows from the clarifier to post-treatment filtration. The treated water then travels to the disinfection chamber for treatment via chlorination disinfection prior to discharge to complete the treatment process.

B. Treatment Units

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

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Package Plant (Flow equalization, sludge holding and aeration tanks)	1	51'-9" X 12' X 11'H
Package Plant (Clarifier tank)	1	18' X 9' X 11'H
Post Treatment Filtration	1	11' ¼" X 11' X 11'H
See attachments for additional details		

C. Process Flow Diagram

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

Attachment: H

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

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

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

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

- Latitude: 31.797551
- Longitude: -102.369809

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

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

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

Odessa Lodge-Corporate Hospitality Housing, LLC – a corporate housing facility providing temporary and long-term lodging options for its residents

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

Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
N/A		Choose an item.	
		Choose an item.	
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 44)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

N/A

Section 5. Closure Plans (Instructions Page 44)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

N/A

Section 6. Permit Specific Requirements (Instructions Page 44)

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

A. Summary transmittal

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

☐ Yes ☒ No

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

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

Click to enter text.

B. Buffer zones

Have the buffer zone requirements been met?

☐ Yes ☒ No

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

500' Public Water Well Buffer from the irrigation area is not met.

C. Other actions required by the current permit

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

☐ Yes ☒ No

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

Click to enter text.

D. Grit and grease treatment

1. Acceptance of grit and grease waste

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

☐ Yes ☒ No

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

2. Grit and grease processing

Describe below how the grit and grease waste is treated at the facility. In your description, include how and where the grit and grease is introduced to the treatment

works and how it is separated or processed. Provide a flow diagram showing how grit and grease is processed at the facility.

N/A

3. *Grit disposal*

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

☐ Yes ☐ No

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

Describe the method of grit disposal.

N/A

4. *Grease and decanted liquid disposal*

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

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

N/A

E. Stormwater management

1. *Applicability*

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

2. ***MSGP coverage***

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

☐ Yes ☐ No

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

TXR05 Click to enter text. or TXRNE Click to enter text.

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

☐ Yes ☐ No

3. ***Conditional exclusion***

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

☐ Yes ☐ No

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

N/A

4. ***Existing coverage in individual permit***

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

☐ Yes ☐ No

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

N/A

5. ***Zero stormwater discharge***

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

☐ Yes ☐ No

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

N/A

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

6. Request for coverage in individual permit

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

☐ Yes ☐ No

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

N/A

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

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

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

1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD_5 concentration of the sludge, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

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

2. ***Acceptance of septic waste***

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

If yes to any of the above, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD_5 concentration of the septic waste, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

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

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

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

☐ Yes ☒ No

If yes, provide the date that the plant started accepting the waste, an estimate how much waste is accepted on a monthly basis (gallons or millions of gallons), a description of the entities generating the waste, and any distinguishing chemical or

other physical characteristic of the waste. Also note if this information has or has not changed since the last permit action.

N/A

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

Is the facility in operation?

☐ Yes ☒ No

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

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
$CBOD_5$, mg/l					
Total Suspended Solids, mg/l					
Ammonia Nitrogen, mg/l					
Nitrate Nitrogen, mg/l					
Total Kjeldahl Nitrogen, mg/l					
Sulfate, mg/l					
Chloride, mg/l					
Total Phosphorus, mg/l					
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
E.coli (CFU/100ml) freshwater					
Entercocci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, µmohs/cm, †					

Oil & Grease, mg/l					
Alkalinity ($CaCO_3$)*, mg/l					

*TPDES permits only
†TLAP permits only

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity ($CaCO_3$), mg/l					

Section 8. Facility Operator (Instructions Page 49)

Facility Operator Name: David Blain

Facility Operator's License Classification and Level: Occupational License Level D

Facility Operator's License Number: WW0070911

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

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

Check all that apply. See instructions for guidance

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

B. WWTP's Sewage Sludge or Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☒ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting

- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)
- ☐ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☒ Temporary Storage (< 2 years)
- ☐ Long Term Storage (>= 2 years)
- ☐ Methane or Biogas Recovery
- ☐ Other Treatment Process: Click to enter text.

C. Sewage Sludge or Biosolids Management

Provide information on the *intended* sewage sludge or biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize all sewage sludge or biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Disposal in Landfill	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

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

D. Disposal site

Disposal site name: Unknown

TCEQ permit or registration number: Unknown

County where disposal site is located: Unknown

E. Transportation method

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

Name of the hauler: Unknown

Hauler registration number: Unknown

Sludge is transported as a:

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

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

B. Sludge processing authorization

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

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

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

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:

  Attachment: Click to enter text.

- USDA Natural Resources Conservation Service Soil Map:

  Attachment: Click to enter text.
- Federal Emergency Management Map:

  Attachment: Click to enter text.
- Site map:

  Attachment: Click to enter text.

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

- ☐ Overlap a designated 100-year frequency flood plain
- ☐ Soils with flooding classification
- ☐ Overlap an unstable area
- ☐ Wetlands
- ☐ Located less than 60 meters from a fault
- ☐ None of the above

Attachment: Click to enter text.

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

Click to enter text.

B. Temporary storage information

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

Nitrate Nitrogen, mg/kg: Click to enter text.

Total Kjeldahl Nitrogen, mg/kg: Click to enter text.

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: Click to enter text.

Phosphorus, mg/kg: Click to enter text.

Potassium, mg/kg: Click to enter text.

pH, standard units: Click to enter text.

Ammonia Nitrogen mg/kg: Click to enter text.

Arsenic: Click to enter text.

Cadmium: Click to enter text.

Chromium: Click to enter text.

Copper: Click to enter text.

Lead: Click to enter text.

Mercury: Click to enter text.

Molybdenum: Click to enter text.

Nickel: Click to enter text.

Selenium: Click to enter text.

Zinc: Click to enter text.

Total PCBs: Click to enter text.

Provide the following information:

Volume and frequency of sludge to the lagoon(s): Click to enter text.

Total dry tons stored in the lagoons(s) per 365-day period: Click to enter text.

Total dry tons stored in the lagoons(s) over the life of the unit: Click to enter text.

C. Liner information

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

☐ Yes ☐ No

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

Click to enter text.

D. Site development plan

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

Click to enter text.

Attach the following documents to the application.

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

  Attachment: Click to enter text.
- Copy of the closure plan

  Attachment: Click to enter text.
- Copy of deed recordation for the site

  Attachment: Click to enter text.
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

  Attachment: Click to enter text.

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

  Attachment: Click to enter text.

- Procedures to prevent the occurrence of nuisance conditions

  Attachment: Click to enter text.

E. Groundwater monitoring

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

☐ Yes ☐ No

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

Attachment: Click to enter text.

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

A. Additional authorizations

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

☐ Yes ☒ No

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

Click to enter text.

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Click to enter text.

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

A. RCRA hazardous wastes

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

☐ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

Attachment: N/A

Section 14. Laboratory Accreditation (Instructions Page 55)

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

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

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

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

CERTIFICATION:

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

Printed Name: Click to enter text.

Title: Click to enter text.

Signature: _____

Date: _____

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.1

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

Section 1. Justification for Permit (Instructions Page 56)

A. Justification of permit need

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

Replacement of existing OSSF due to planned housing addition increasing the daily wastewater disposal beyond 10,000 GPD. There are no regional facilities. Total 530 beds @ 50 GPD/bed ≈ 27,000 GPD. Approval of a proposed wastewater treatment plant, storage, and effluent disposal using SADDS. Crew camp domestic wastewater will be treated by an on-site wastewater treatment plants and treated effluent disposal is accomplished by using an on-site subsurface area drip dispersal systems. Additionally, 3-day storage will be required to store the treated effluent that is not immediately applied. Facility and disposal site are located at 3006 US-385, Odessa, Texas 79766.

B. Regionalization of facilities

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

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

1. *Municipally incorporated areas*

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

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

☐ Yes ☒ No ☐ Not Applicable

If yes, within the city limits of: Click to enter text.

If yes, attach correspondence from the city.

Attachment: Click to enter text.

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

Attachment: Click to enter text.

2. *Utility CCN areas*

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

☐ Yes ☒ No

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

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

Attachment: Click to enter text.

3. Nearby WWTPs or collection systems

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

☐ Yes ☒ No

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

Attachment: Click to enter text.

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

Attachment: Click to enter text.

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

Attachment: Click to enter text.

Section 2. Proposed Organic Loading (Instructions Page 58)

Is this facility in operation?

☐ Yes ☒ No

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

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

A. Current organic loading

Facility Design Flow (flow being requested in application): Click to enter text.

Average Influent Organic Strength or BOD_5 Concentration in mg/l: Click to enter text.

Average Influent Loading (lbs/day = total average flow X average BOD_5 conc. X 8.34): Click to enter text.

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

Click to enter text.

B. Proposed organic loading

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

Table 1.1(1) – Design Organic Loading

Source	Total Average Flow (MGD)	Influent BOD5 Concentration (mg/l)
Municipality		
Subdivision		
Trailer park – transient		
Mobile home park	.027	400
School with cafeteria and showers		
School with cafeteria, no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory		
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources	.027	400
AVERAGE BOD_5 from all sources		

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

A. Existing/Interim I Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 65 mg/L

Total Suspended Solids, mg/l: 30 mg/L

Ammonia Nitrogen, mg/l: Click to enter text.

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

Dissolved Oxygen, mg/l: Click to enter text.

Other: Click to enter text.

B. Interim II Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: Click to enter text.

Total Suspended Solids, mg/l: Click to enter text.

Ammonia Nitrogen, mg/l: Click to enter text.

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

Dissolved Oxygen, mg/l: Click to enter text.

Other: Click to enter text.

C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: Click to enter text.

Total Suspended Solids, mg/l: Click to enter text.

Ammonia Nitrogen, mg/l: Click to enter text.

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

Dissolved Oxygen, mg/l: Click to enter text.

Other: Click to enter text.

D. Disinfection Method

Identify the proposed method of disinfection.

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

Dechlorination process: Click to enter text.

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

☐ Other: Click to enter text.

Section 4. Design Calculations (Instructions Page 58)

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

Attachment: J

Section 5. Facility Site (Instructions Page 59)

A. 100-year floodplain

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

☒ Yes ☐ No

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

Click to enter text.

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

National Flood Hazard Layer FIRMette - USGS National Map 2023

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

☐ Yes ☒ No

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

☐ Yes ☐ No

If yes, provide the permit number: Click to enter text.

If no, provide the approximate date you anticipate submitting your application to the Corps: Click to enter text.

B. Wind rose

Attach a wind rose: K

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

B. Sludge processing authorization

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

☐ Sludge Composting

☐ Marketing and Distribution of sludge

☐ Sludge Surface Disposal or Sludge Monofill

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

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

Attach a solids management plan to the application.

Attachment: L

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

- Treatment units and processes dimensions and capacities
- Solids generated at 100, 75, 50, and 25 percent of design flow
- Mixed liquor suspended solids operating range at design and projected actual flow

- Quantity of solids to be removed and a schedule for solids removal
- Identification and ownership of the ultimate sludge disposal site
- For facultative lagoons, design life calculations, monitoring well locations and depths, and the ultimate disposal method for the sludge from the facultative lagoon

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND DISPOSAL OF EFFLUENT

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

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

Identify the method of land disposal:

- ☐ Surface application
- ☐ Irrigation
- ☐ Drip irrigation system
- ☐ Evaporation
- ☐ Other (describe in detail): Click to enter text.
- ☐ Subsurface application
- ☐ Subsurface soils absorption
- ☒ Subsurface area drip dispersal system
- ☐ Evapotranspiration beds

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

For existing authorizations, provide Registration Number: Click to enter text.

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

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

Table 3.0(1) – Land Application Site Crops

Crop Type & Land Use	Irrigation Area (acres)	Effluent Application (GPD)	Public Access? Y/N
Alfalfa (Summer/Winter) & Hayland Crops (NOT FOR HUMAN CONSUMPTION) [SADDS]	6.2 ac	27,000 GPD	N

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

Table 3.0(2) – Storage and Evaporation Ponds

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

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

Attachment: N/A

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

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

☐ Yes ☒ No

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

Click to enter text.

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

Click to enter text.

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

Click to enter text.

Section 5. Annual Cropping Plan (Instructions Page 67)

Attach an Annual Cropping Plan which includes a discussion of each of the following items. If not applicable, provide a detailed explanation indicating why. **Attachment**: M

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

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

Attach a USGS map with the following information shown and labeled. If not applicable, provide a detailed explanation indicating why. **Attachments**: D & E

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

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

Table 3.0(3) – Water Well Data

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

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

Attachment: M

Section 7. Groundwater Quality (Instructions Page 68)

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

Attachment: N

Are groundwater monitoring wells available onsite? ☐ Yes ☒ No

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

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

Attachment: Click to enter text.

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

A. Soil map

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

Attachment: O

B. Soil analyses

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

Attachment: P

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

Table 3.0(4) – Soil Data

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number
RFA- Ratliff association, nearly level	>80 inches	Well Drained	0-60 inches: Moderate (about 8.4 inches)	

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number

Section 9. Effluent Monitoring Data (Instructions Page 70)

Is the facility in operation?

☐ Yes ☒ No

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

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

Table 3.0(5) – Effluent Monitoring Data

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated

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

Click to enter text.

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.3: SUBSURFACE AREA DRIP DISPERSAL (SADDS) LAND DISPOSAL OF EFFLUENT

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

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

Section 1. Administrative Information (Instructions Page 74)

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

B. Odessa Lodge-Corporate Housing Hospitality Housing, LLC Is the owner of the land where the treatment facility is located the same as the owner of the treatment facility?

☒ Yes ☐ No

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

Click to enter text.

C. Owner of the subsurface area drip dispersal system: Odessa Lodge-Corporate Housing Hospitality Housing, LLC

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

☒ Yes ☐ No

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

Click to enter text.

E. Owner of the land where the subsurface area drip dispersal system is located:Odessa Lodge-Corporate Housing Hospitality Housing, LLC

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

☒ Yes ☐ No

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

Click to enter text.

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

A. Type of system

☒ Subsurface Drip Irrigation

☐ Surface Drip Irrigation

☐ Other, specify: Click to enter text.

B. Irrigation operations

Application area, in acres: 6.20

Infiltration Rate, in inches/hour: .05

Average slope of the application area, percent (%): <1%

Maximum slope of the application area, percent (%): 4%

Storage volume, in gallons: 81,000

Major soil series: Ratliff Association

Depth to groundwater, in feet: 40

C. Application rate

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

☒ Yes ☐ No

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

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

☐ Yes ☒ No

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

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

☐ Yes ☒ No

Hydraulic application rate, in gal/square foot/day: 0.1 gal/sqft/day

Nitrogen application rate, in lbs/gal/day: Click to enter text.

D. Dosing information

Number of doses per day: Click to enter text.

Dosing duration per area, in hours: Click to enter text.

Rest period between doses, in hours: Click to enter text.

Dosing amount per area, in inches/day: Click to enter text.

Number of zones: Click to enter text.

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

☐ Yes ☒ No

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

Attachment: Click to enter text.

Section 3. Required Plans (Instructions Page 74)

A. Recharge feature plan

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

Attachment: Q

B. Soil evaluation

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

Attachment: P

C. Site preparation plan

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

Attachment: R

D. Soil sampling/testing

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

Attachment: P

Section 4. Floodway Designation (Instructions Page 75)

A. Site location

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

☐ Yes ☒ No

B. Flood map

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

Attachment: S

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

A. Buffer Map

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

Attachment: T

B. Buffer variance request

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

☐ Yes ☒ No

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

Attachment: Click to enter text.

Section 6. Edwards Aquifer (Instructions Page 75)

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

WORKSHEET 7.0

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

CLASS V INJECTION WELL INVENTORY/AUTHORIZATION FORM

Submit the completed form to:

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

For TCEQ Use Only
Reg. No._____
Date Received_____
Date Authorized_____

Section 1. General Information (Instructions Page 90)

1. TCEQ Program Area

Program Area (PST, VCP, IHW, etc.): TLAP

Program ID: N/A

Contact Name: Matthew Udenenwu

Phone Number: 512-239-6922

2. Agent/Consultant Contact Information

Contact Name: Weber Wallerstein, E.I.T.

Address: 6101 W. Courtyard Dr, Ste. 1-100

City, State, and Zip Code: Austin, TX, 78730

Phone Number: (512) 358-4049

3. Owner/Operator Contact Information

☒ Owner ☐ Operator

Owner/Operator Name: Odessa Lodge; Corporate Hospitality Housing, LLC

Contact Name: Ravi Mehta

Address: 125 East John Carpenter Freeway, Suite 1050

City, State, and Zip Code: Irving, TX, 75062

Phone Number: (214) 845-5720

4. Facility Contact Information

Facility Name: PP-27-ESC

Address: 3006 US 385

City, State, and Zip Code: Odessa, TX, 79766

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

Facility Contact Person: David Blain

Phone Number: Click to enter text.

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

Latitude: 31.797551

Longitude: -102.369809

Method of determination (GPS, TOPO, etc.): TOPO from Survey

Attach topographic quadrangle map as attachment A.

6. **Well Information**

Type of Well Construction, select one:

- ☐ Vertical Injection
- ☒ Subsurface Fluid Distribution System
- ☐ Infiltration Gallery
- ☐ Temporary Injection Points
- ☐ Other, Specify: Click to enter text.

Number of Injection Wells: Click to enter text.

7. **Purpose**

Detailed Description regarding purpose of Injection System:

The purpose of the proposed system is to dispose treated effluent through subsurface drip dispersal.

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

8. **Water Well Driller/Installer**

Water Well Driller/Installer Name: Click to enter text.

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

Phone Number: Click to enter text.

License Number: Click to enter text.

Section 2. Proposed Down Hole Design

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

Table 7.0(1) – Down Hole Design Table

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

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

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

System(s) Dimensions: Click to enter text.

System(s) Construction: Click to enter text.

Section 4. Site Hydrogeological and Injection Zone Data

1. Name of Contaminated Aquifer: Click to enter text.

2. Receiving Formation Name of Injection Zone: Click to enter text.

3. Well/Trench Total Depth: Click to enter text.

4. Surface Elevation: Click to enter text.

5. Depth to Ground Water: Click to enter text.

6. Injection Zone Depth: Click to enter text.

7. Injection Zone vertically isolated geologically? ☐ Yes ☐ No

Impervious Strata between Injection Zone and nearest Underground Source of Drinking Water:

Name: Click to enter text.

Thickness: Click to enter text.

8. Provide a list of contaminants and the levels (ppm) in contaminated aquifer

Attach as Attachment E.

9. Horizontal and Vertical extent of contamination and injection plume

Attach as Attachment F.

10. Formation (Injection Zone) Water Chemistry (Background levels) TDS, etc.

Attach as Attachment G.

11. Injection Fluid Chemistry in PPM at point of injection

Attach as Attachment H.

12. Lowest Known Depth of Ground Water with < 10,000 PPM TDS: Click to enter text.

13. Maximum injection Rate/Volume/Pressure: Click to enter text.

14. Water wells within 1/4 mile radius (attach map as Attachment I): Click to enter text.

15. Injection wells within 1/4 mile radius (attach map as Attachment J): Click to enter text.

16. Monitor wells within 1/4 mile radius (attach drillers logs and map as Attachment K): Click to enter text.

17. Sampling frequency: Click to enter text.

18. Known hazardous components in injection fluid: Click to enter text.

Section 5. Site History

1. Type of Facility: Click to enter text.
2. Contamination Dates: Click to enter text.
3. Original Contamination (VOCs, TPH, BTEX, etc.) and Concentrations (attach as Attachment L): Click to enter text.
4. Previous Remediation (attach results of any previous remediation as attachment M): Click to enter text.

NOTE: Authorization Form should be completed in detail and authorization given by the TCEQ before construction, operation, and/or conversion can begin. Attach additional pages as necessary.

Class V Injection Well Designations

5A07 Heat Pump/AC return (IW used for groundwater to heat and/or cool buildings)
5A19 Industrial Cooling Water Return Flow (IW used to cool industrial process equipment)
5B22 Salt Water Intrusion Barrier (IW used to inject fluids to prevent the intrusion of salt water into an aquifer)
5D02 Storm Water Drainage (IW designed for the disposal of rain water)
5D04 Industrial Stormwater Drainage Wells (IW designed for the disposal of rain water associated with industrial facilities)
5F01 Agricultural Drainage (IW that receive agricultural runoff)
5R21 Aquifer Recharge (IW used to inject fluids to recharge an aquifer)
5S23 Subsidence Control Wells (IW used to control land subsidence caused by ground water withdrawal)
5W09 Untreated Sewage
5W10 Large Capacity Cesspools (Cesspools that are designed for 5,000 gpd or greater)
5W11 Large Capacity Septic systems (Septic systems designed for 5,000 gpd or greater)
5W12 WTTP disposal
5W20 Industrial Process Waste Disposal Wells
5W31 Septic System (Well Disposal method)
5W32 Septic System Drainfield Disposal
5X13 Mine Backfill (IW used to control subsidence, dispose of mining byproducts, and/or fill sections of a mine)
5X25 Experimental Wells (Pilot Test) (IW used to test new technologies or tracer dye studies)
5X26 Aquifer Remediation (IW used to clean up, treat, or prevent contamination of a USDW)
5X27 Other Wells
5X28 Motor Vehicle Waste Disposal Wells (IW used to dispose of waste from a motor vehicle site - These are currently banned)
5X29 Abandoned Drinking Water Wells (waste disposal)

ATTACHMENT D

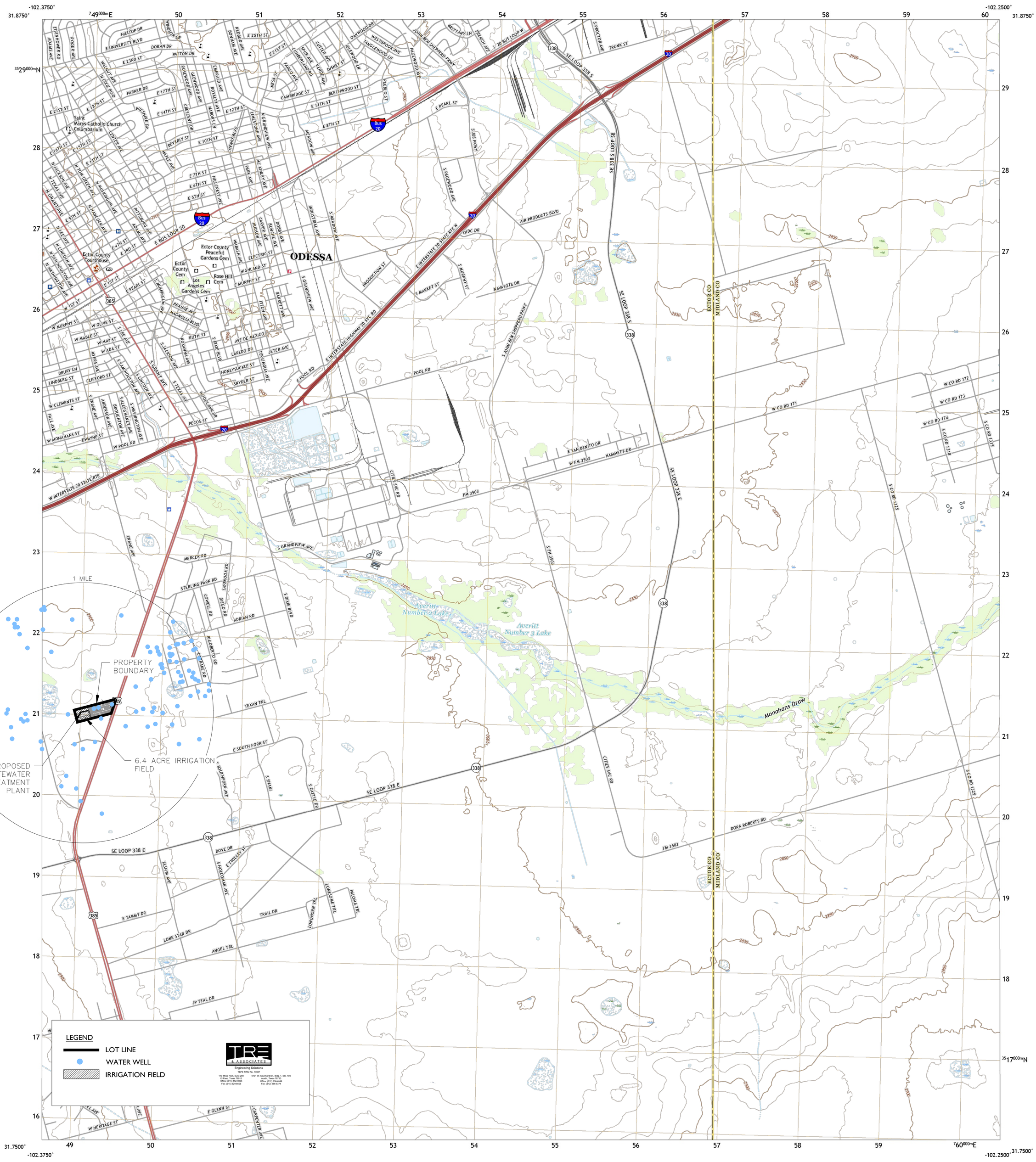
USGS TOPOGRAPHIC MAP 1

USGS MAP

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

The National Map US Topo

ODESSA SE 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 grid:Universal Transverse Mercator, Zone 13R

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

Imagery.....NAIP, October 2016 - November 2016
Roads.....U.S. Census Bureau, 2015 - 2018
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

MN
GN
6°10'
110 MILS
1°25'
25 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
GR
Grid Zone Designation
13R

SCALE 1:24 000

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

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

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

QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES
1 Odessa NW
2 Odessa NE
3 Southwest Midland
4 Odessa SW
5 Parks
6 Clark Brothers Ranch
7 South Cowden Ranch
8 Bongo Corner NW

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

ODESSA SE, TX
2022

NSN 7643016397513
NGA REF NO. USGSX24K32924

ATTACHMENT E

USGS TOPOGRAPHIC MAP 2

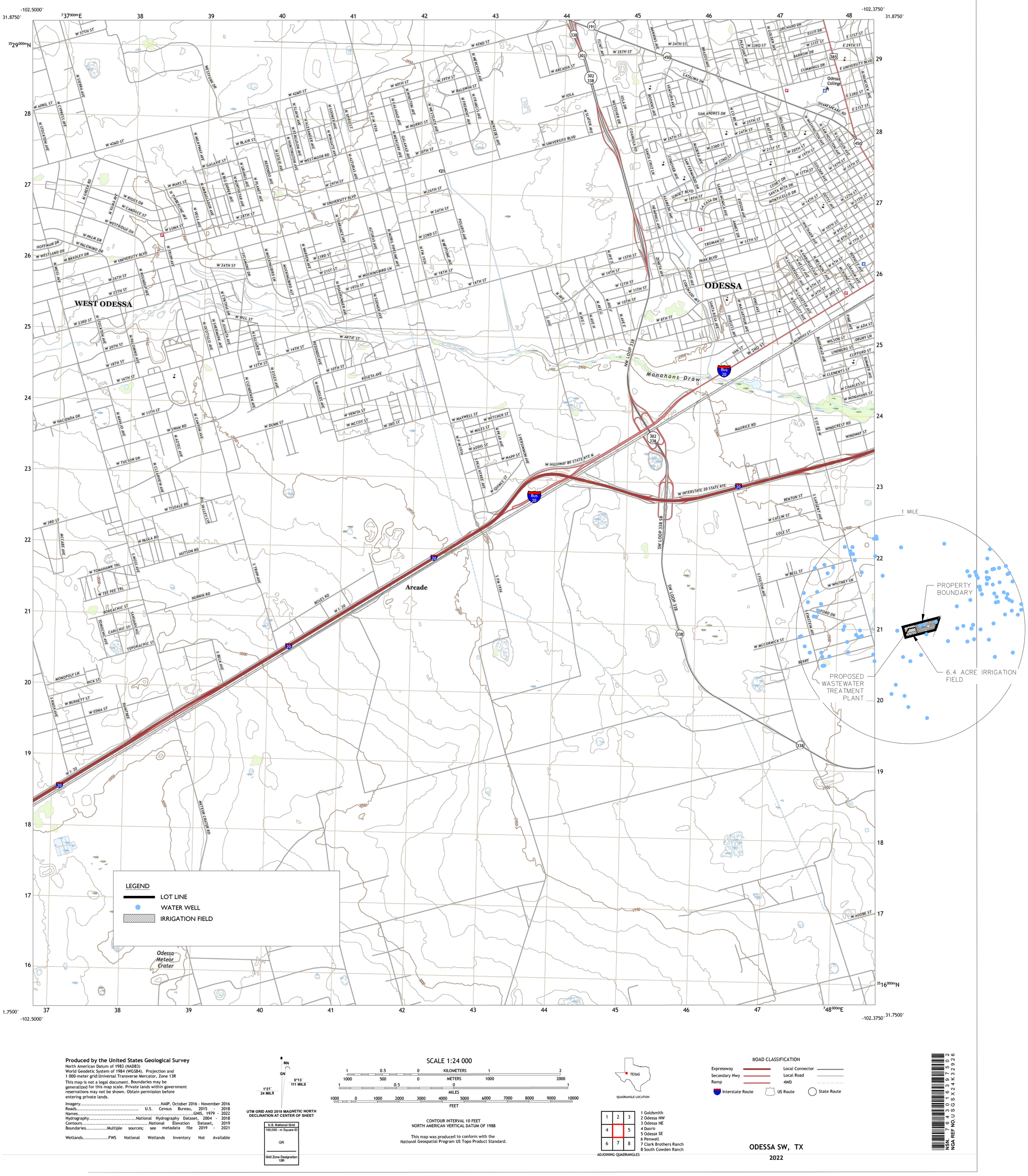
USGS MAP

USGS science for a changing world

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

The National Map US Topo

ODESSA SW QUADRANGLE
TEXAS - ECTOR 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 13R

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

Imagery.....NAIP, October 2016 - November 2016
Roads..... U.S. Census Bureau, 2015 - 2018
Names.....GNIS, 1979 - 2022
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

MN
GN
1°21′ 24 MILS
6°13′ 111 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
GR
Grid Zone Designation 13R

SCALE 1:24 000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1 MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

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

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES
1 Goldsmith
2 Odessa NW
3 Odessa NE
4 Douro
5 Odessa SE
6 Penwell
7 Clark Brothers Ranch
8 South Cowden Ranch

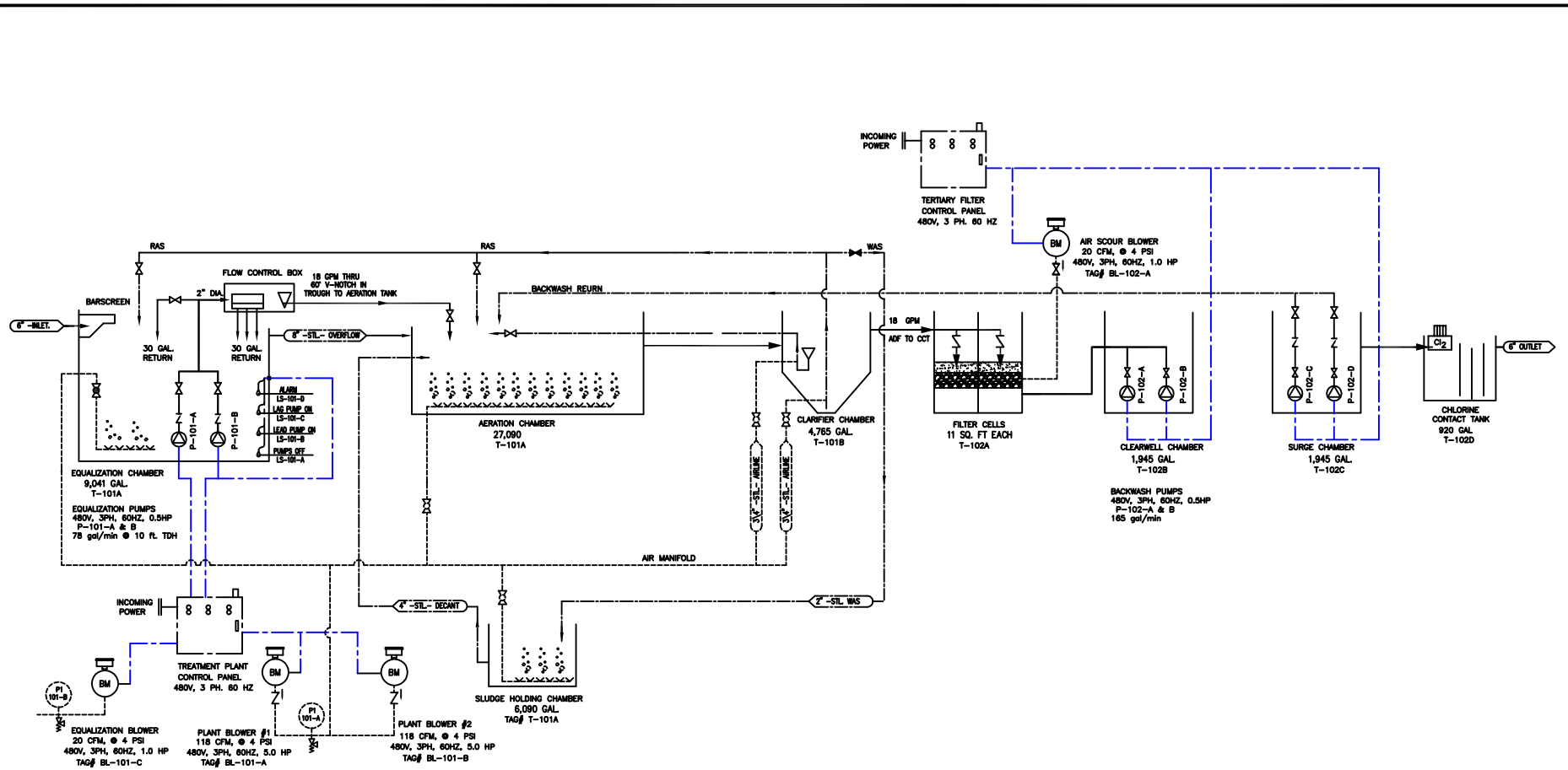
ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

NSN, 7643016397502
NGA REF NO.USGSX24K32926

ODESSA SW, TX
2022

ATTACHMENT H

PROCESS FLOW DIAGRAM



LEGEND

PRESSURE RELIEF VALVE
INLET SILENCER
FLOAT SWITCH
CHECK VALVE
BUTTERFLY VALVE
SUBMERSIBLE PUMP
INLET FILTER SILENCER
POSITIVE DISPLACEMENT BLOWERS
FLOWMETER
PRESSURE GAUGE
BALL VALVE CLOSED
BALL VALVE OPEN
GATE VALVE CLOSED
GATE VALVE OPEN
PRESSURE GAUGE W/ MINATURE BALL VALVE
HIGH LEVEL ALARM
TABLET FEEDER

REV.	DATE	DESCRIPTION	APPROV.
1	1/31/25	REVISED VOLUME IN TITLE BLOCK	

Pollution Control Systems, Inc.
114 WOOSTER PIKE, SUITE 2
Milford, Ohio 45150
(513) 831-1165

ODDESA CREW CAMP

27,000 GPD PACKAGE PLANT
PACKAGE PLANT W/ TERTIARY FILTER
P & ID DIAGRAM -EA PLANT

SCALE:	NTS	PROJECT NO.			
DRAWN BY:	JJM	DATE:	1/29/25	SHEET	DRAWING NO.
CHECKED BY:	JJM	DATE:	1/29/25	1 OF 1	16114-10A

TRE & ASSOCIATES
Engineering Solutions

ATTACHMENT I

SITE DRAWING

NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO INITIATING CONSTRUCTION.
2. CONTACT UTILITY COMPANIES FOR EXACT LOCATION OF ANY UNDERGROUND UTILITIES IN THIS AREA BEFORE EXCAVATION.
3. ALL STRUCTURE LOCATIONS WILL NEED FIELD VERIFICATION AT TIME OF CONSTRUCTION.
4. ALL FORCE-MAIN AND WASTEWATER SEPARATION DISTANCES TO WATER LINES SHALL ADHERE TO TCEQ STANDARD 217.53(D)

LEGEND

- SITE BOUNDARY
- EXISTING EASEMENT LINE
- PROPOSED SETBACK
- EXISTING WATER LINE
- EXISTING WASTEWATER LINE
- EXISTING WASTEWATER LINE
- PROPOSED FORCEMAIN LINE
- EXISTING BUILDING
- PROPOSED BUILDING

PROPOSED 27,000 GPD WASTEWATER TREATMENT PLANT (SEE DETAIL SHEET 13 FOR WASTEWATER TREATMENT PLANT DETAILS)

INSTALL: 1- TREATED EFFLUENT LIFT STATION (SEE SHEET 8 AND SHEET 9)

PROPOSED HEAD OF PLANT LIFT STATION AND VALVE VAULT WASTEWATER TREATMENT (SEE SHEET 6 AND 7)

CONNECT FM-1 AND FM-2 TO PROPOSED MANHOLE (SEE SHEET 6)

150' WASTEWATER TREATMENT PLANT SETBACK

500' WATER WELL #1 SETBACK

500' WATER WELL #2 SETBACK

211'

346'

PROPOSED TREATED EFFLUENT WASTEWATER STORAGE TANKS

EXISTING 20' ACCESS EASEMENT

EXISTING OVERHEAD ELECTRIC LINE

PROPOSED 4" FORCE MAIN

INSTALL: 4- 4" 45° BENDS

CONNECT TO EXISTING 4" FORCEMAIN
INSTALL:
1- 4" 90° BEND
460 LF WW FORCEMAIN
(CONTRACTOR TO CONFIRM LOCATION OF FM)

6.45 ACRES (281,040 SF) SUBSURFACE AREA DRIP DISPERSAL FIELD (IRRIGATION LINES PROPOSED BY OTHERS)

EXISTING WATER LINE CONTINUES TO WASTEWATER TREATMENT PLANT

EXISTING 6" WATER LINE

EXISTING 6" WASTEWATER LINE

EXISTING 4" FORCE MAIN

EXISTING 4" WATER LINE

EXISTING 2" WATER LINE

EXISTING WELL #1

EXISTING WELL #2

EXISTING 10' ONCOR UTILITY EASEMENT

CONNECT FM-1 TO EXISTING FORCEMAIN
INSTALL:
1- 4" 90° BEND
320 LF OF WW FORCEMAIN
(CONTRACTOR TO CONFIRM LOCATION OF FM)

INSTALL: 1- 4" 22.5° BEND

EXISTING 6" WASTEWATER LINE

EXISTING 4" FORCE MAIN

EXISTING LIFT STATION #2

EXISTING ENTERPRISE PIPELINE

EXISTING DCP MIDSTREAM PIPELINE

EXISTING LIFT STATION #1

CONNECT TO EXISTING WWCO
INSTALL:
139 LF WWL

EXISTING OVERHEAD ELECTRIC LINE

PROPOSED 6" GRAVITY WWL

EXISTING GROUND STORAGE TANK

EXISTING FIBER OPTIC CABLE

EXISTING ENTERPRISE PIPELINE

EXISTING WELL #3

EXISTING 4" WATER LINE

EXISTING PUMP ENCLOSURE

EXISTING DCP MIDSTREAM PIPELINE

EXISTING WASTEWATER LINE

EXISTING 4" WATER LINE

EXISTING 4" WATER LINE

SOUTH U.S. HIGHWAY 385 (180' R.O.W.)

SCALE: 1"=60'
GRAPHIC SCALE IN FEET
0 30 60 90 120

TRE & ASSOCIATES
Engineering Solutions
TBPE FIRM No. 13997
110 Mesa Park Drive, Ste 200
El Paso, Texas 79912
Office: (915) 852-8093
Fax: (915) 629-8506

6101 W. Courtyard Dr., Bldg. 1, Suite 100
Austin, Texas 78746
Office: (512) 358-4049
Fax: (512) 366-5374

PROJECT NO. 2113.12515	DESIGNED BY: WW
DWG FILE: WASTE	DRAWN BY: WW
DATE: June 25	CHECKED BY: BGL

NO.	BY	DATE	REVISION DESCRIPTION

CHH ODESSA US 385
WORKFORCE HOUSING
WASTEWATER COLLECTION
SYSTEM IMPROVEMENTS
ODESSA, TEXAS

SITE MAP

FILE: P:\2113 Corporate Hospitality Housing Orla, LLC\12515 - CHH Odessa US 385 - Wastewater Treatment Systems Improvements\CAD\Sheets\WASTE.dwg LAYOUT: WASTEWATER COLLECTION DATE: 6/6/2025 10:07:14 AM BY: WWALLERSTEIN

ATTACHMENT J

DESIGN CALCULATIONS

Design Calculations for WWTP and Post-Treatment Filtration

A) Influent Wastewater Flow: 26,500 gpd (530-person population x 50 gal/person/day)

B) 3 Day Storage of Treated Effluent = 26,500 gpd * 3 = 79,500 gallons

C) Subsurface Application Area = 26,500 gpd * 0.1 gal/sf/day * 43560 sf/acre = 6.08 Acres

D) 24-Hour Average Daily Flow (=ADF=Q) 27,000 gpd = 1,125 gph = 18.75 gpm.

E) BOD_5 loading of 230 ppm = 0.027 * 8.34 * 230 = 51.79 pounds/day.

F) Equalization Tank Sizing

Peak Hourly Flow to Equalization Tank = 3Q

Peak Flow from Equalization to Aeration Tank is 1.5Q

27,000 gpd * 1.5 = 40,500 gpd = 1,687.50 gph = 28.12 gpm

Equalization Tank is sized at 33%Q = 0.33 *27,000 gallons = 8,910 gallons.

Actual total volume = 9,041 gallons.

G) Aeration Tank Sizing

Loaded at 15# BOD per 1,000 cu.ft.

(51.79#)/(15#/1000 cu.ft.) = 3,452 cu.ft.

(3,4527 cu.ft.)(7.48 gal/cu.ft.) = 25,820.96 gal. required in Aeration Zone

Actual total volume = 27,000 gallons.

H) Clarifier Tank Sizing

Surface Overflow Rate at Design Peak Hourly Flow = 1,000 gal/sq.ft./day.

(40,500 gpd) / (1,000 gpd/sq.ft.) = 40.50 sq.ft. Required

Actual total area = 135 sq.ft.

Weir Loading at Design Peak Hourly Flow = 20,000 gal/lin.ft./day.

(40,500 gpd) / (20,000 gpd/lin.ft.) = 2.02 linear feet of weir.

Actual weir length =7.50 lin.ft.

Peak Solids Loading at 35 lbs./day/sq.ft.

(51.79*1.5)/35 = 2.22 sq.ft. req'd = 135 sq.ft. provided = 0.58 lbs/day/sq.ft.

I) Sludge Holding Sizing

Based on 3 cu.ft./capita ((capita = 100 gpd flow)

27,000 gpd / 100 gpd = 270 capita

(3 cu.ft./cap) (270 cap) = 810 cu.ft.

(810 cu.ft.) (7.48 gal/cu. ft) = 6,058.80 gallons

Actual total volume = 6,090 gallons

J) Tertiary Filter - Filter Cells

Sized at 5 gpm/sq.ft. at Peak Flow w/ One Cell Out of Service

(28.12 gpm) / (5 gpm/sq.ft.) = 5.62 sq.ft. per cell

Actual area provided = 2 cells each with 11 sq.ft.

K) Tertiary Filter – Clearwell Tank

Sized With Volume for Backwashing of Two Filter Cells

(2 cells) (11 sq.ft.) (15 gpm/sq.ft.) (5 min.) =1,650 gal.

Actual volume provided = 1,945 gal.

L) Tertiary Filter – Surge (Mudwell) Tank

Sized to Hold Backwashing Volume and half the ADF During Backwashing

(1,650 gal) + ((18.75 gpm * 0.5) * 10 min.) = 1,743.75 gal.

Surge Pump rate of 15% ADF = 2.81 gpm

(1,743.75 gal) – (2.81 gpm * 30 min full backwash cycle) = 1,734.36 gal.

Actual volume provided =1,765 gal.

M) Tertiary Filter – Chlorine Contact

Sized Based on 30 min. Detention at ADF

(30 min.) (18.75 gpm) = 562.50 gal.

Actual volume provided = 920 gal.

N) Blower/Motor – Equalization Tank

Based on 1.25 cfm per 1,000 gallons

(1.25 cfm / 1,000 gal.) (9,041 gal) = 11.30 cfm
Actual air provided = 20 cfm.

O) Blower/Motor – Aeration/Sludge/Airlifts

Sludge Holding Based on 30 cfm/1,000 cu.ft.
(6,090 gal) / (7.48 gal/cu.ft.) = 814.17 cu.ft.
(814.17 cu.ft.) (30 cfm / 1,000 cu. ft) = 24.42 cfm

Aeration Basin based on 2,050 cu.ft./d/#BOD
((2,050) (51.79))/1440 = 73.73 cfm

Airlifts
Two sludge airlifts @ 6 cfm/lift = 12 cfm
Two skimmer airlifts @ 3 cfm/lift = 6 cfm

Total cfm required = 24.42 + 73.73 + 12 + 6 = 116.15 cfm.
Actual air provided = 118 cfm.

P) Blower/Motor – Tertiary Filter

Air Scour Based on Scouring Filter Cell @ 1 cfm/sq.ft.
(11 sq.ft.) (1 cfm/sq.ft.) = 11 cfm
Actual air provided = 22 cfm

Q) Equalization Pumps

Sized Based on 1.5 Q to Aeration Tank = 28.12 gpm
Equalization Pumps Pump to Flow Regulator Box
Flow Regulator Box Provided w/V-Notch = 30 gpm to Aeration Tank
Excess Flow Returned to Equalization Tank
Equalization Pump Provided = 120 gpm @ 10'TDH

R) Backwash Pumps – Tertiary Filter

Sized Based on 15 gpm/sq.ft of Filter Cell Area

(11 sq.ft.) (15 gpm) =165 gpm

Backwash Pump Throttled to Provide = 165 gpm

Backwash Pump Provided = 200 gpm @ 22’ TDH

S) Surge (Mudwell) Pumps – Tertiary Filter

Sized Based on 15% ADF

(18.79 gpm) (15%) = 2.21 gpm

Surge Pump Provided w/Pee-Back System to Provide = 3.00 gpm

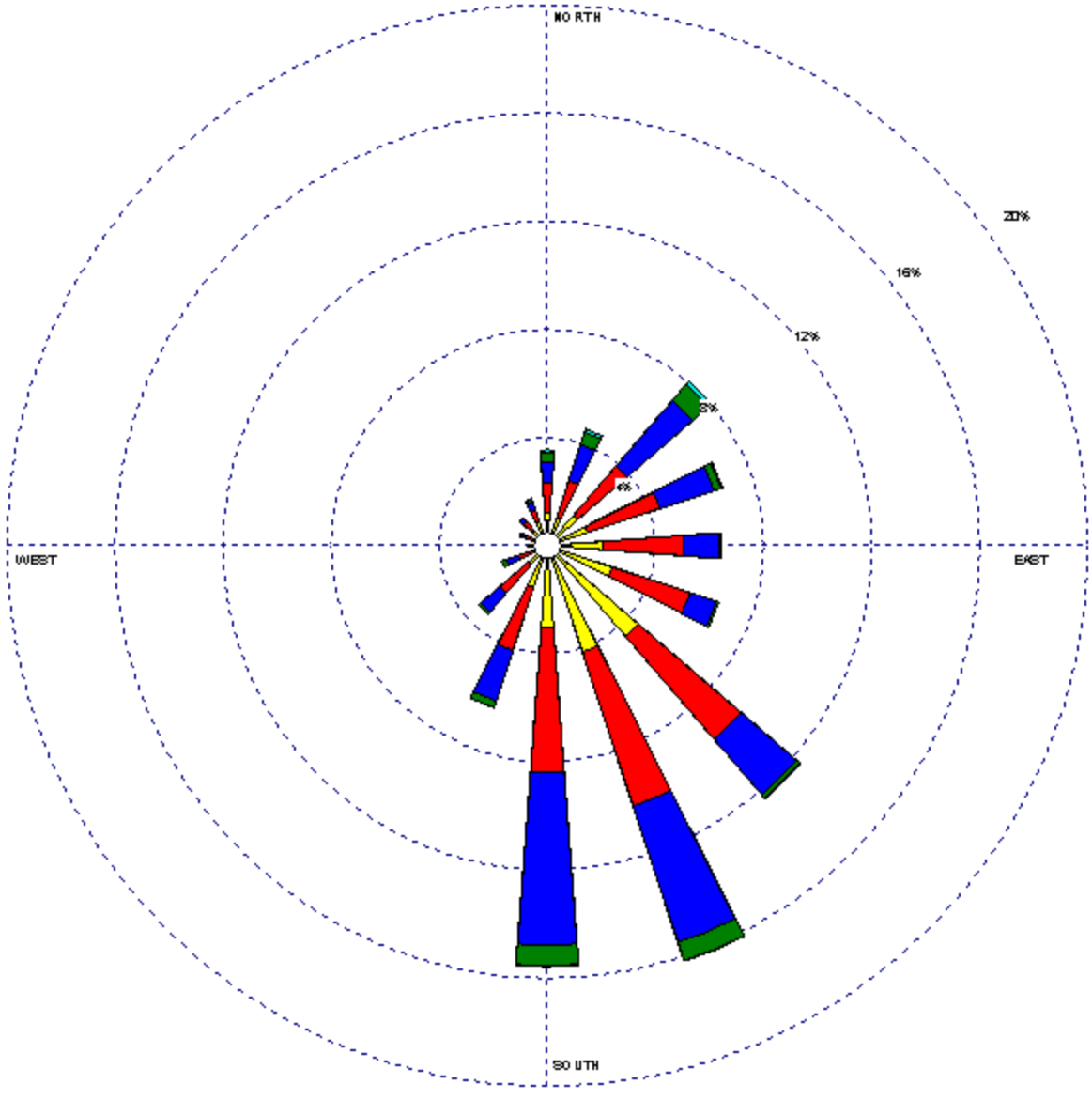
Surge Pump Provided = 55 gpm @ 20’ TDH

ATTACHMENT K

WIND ROSE

WIND ROSE PLOT

Station #23023 - MIDLAND/REGIONAL AIR TERMINAL, TX



Wind Speed (m/s) > 11.06 8.49 - 11.06 5.40 - 8.49 3.34 - 5.40 1.80 - 3.34 0.51 - 1.80	MODELER Sara West	DATE 8/29/2002	COMPANY NAME USDA-ARS
	DISPLAY Wind Speed	UNIT m/s	COMMENTS
	AVG. WIND SPEED 4.82 m/s	CALM WINDS 3.32%	
	ORIENTATION Direction (blowing from)	PLOT YEAR-DATE-TIME 1961 Sep 1 - Sep 30 Midnight - 11 PM	

ATTACHMENT L

SEWAGE SOLIDS MANAGEMENT PLAN

Solids Management Plan

Influent Design Flow = 0.027 gpd

Influent BOD Concentration = 400 mg/L

Excess sludge will be removed for disposal on a regular basis as required. The sludge will be transported by a registered hauler to be disposed of in a landfill. The Solids Management Plan will be updated once the disposal site and transporter are known.

ATTACHMENT M

ANNUAL CROPPING PLAN

Engineering Solutions

ANNUAL CROPPING PLAN

A copy of the soils map depicting the location of the subsurface area drip dispersal system land disposal of treated effluent is attached. Odessa Lodge-Corporate Hospitality Housing, LLC will dispose of treated effluent via a subsurface area drip dispersal system accordingly. It is the responsibility of the Owner to grow crops that shall not be consumed by humans (hayland grasses and alfalfa crops).

ATTACHMENT N

GROUNDWATER QUALITY TECHNICAL REPORT AND WELL ID LIST

Engineering Solutions

GROUNDWATER QUALITY TECHNICAL REPORT

In accordance with 30 TAC 309.20(a)(4)(A), all water well locations in the surrounding area were verified within 0.5 miles of the land application site.

There are 3 public water wells (Well #318186, #318188, and #318192) on the project site. Preoperational baseline groundwater quality data is available for Well #318186 and Well #318188 and have been attached to the Domestic Wastewater Permit Application (see Attachments K&L). Well #318192 is already in operation and the proposed wastewater treatment plant and drip irrigation field is outside the 150' and 500' buffer ranges specified in 30 TAC 309.13(c)(3) and 30 TAC 309.13(e)(1).

The permittee will apply for exemptions for the buffer zones requirements of 30 TAC 309.13(c). Public wells were found to be located closer than 500 feet from the wastewater subsurface drip irrigation land application boundary.

The treated effluent wastewater subsurface drip irrigation field will adhere to the standards in 30 TAC 222.117 pertaining to the design criteria for subsurface drip irrigation.

Application of the treated effluent will not occur during periods of inundation, frozen or saturated ground and no runoff of effluent will be allowed. Treated effluent will be distributed to crops at agronomic rates limited to what is necessary to sustain the vegetation.

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
1 (#303238)	Domestic	N	plugged	Meeting appropriate buffers
2 (#159751)	Domestic	Y	open	Meeting appropriate buffers
3 (#549452)	Domestic	Y	open	Meeting appropriate buffers
4 (#581722)	Domestic	Y	open	Meeting appropriate buffers

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
5 (#186745)	Domestic	Y	open	Meeting appropriate buffers
6 (#345641)	Irrigation	Y	open	Meeting appropriate buffers
7 (#663819)	Domestic	Y	open	Not meeting appropriate buffers, exemption requested
8 (#355778)	Irrigation	Y	open	Meeting appropriate buffers
9 (#372608)	Irrigation	Y	open	Meeting appropriate buffers
10 (#358154)	Irrigation	Y	open	Meeting appropriate buffers
11 (#318186)	Public Supply	Y	plugged	Not meeting appropriate buffers, exemption requested
12 (#318188)	Public Supply	Y	plugged	Not meeting appropriate buffers, exemption requested
13 (#509731)	Domestic	N	open	Not meeting appropriate buffers, exemption requested
14 (#318192)	Public Supply	Y	open	Meeting appropriate buffers
15 (#265473)	Domestic	Y	open	Meeting appropriate buffers
16 (#466375)	Domestic	Y	open	Meeting appropriate buffers
17 (#682374)	Domestic	Y	open	Meeting appropriate buffers

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
18 (#682381)	Domestic	Y	open	Meeting appropriate buffers

TRE & ASSOCIATES
Engineering Solutions

ATTACHMENT O

NRCS SOIL REPORT

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Ector and Crane Counties, Texas

January 29, 2025

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Contents

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

Map Scale: 1:3,080 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 45 90 180 270

Feet
0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

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 1:31,700.

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: Ector and Crane Counties, Texas
Survey Area Data: Version 23, Aug 30, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 10, 2022—Feb 13, 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
RFA	Ratliff association, nearly level	21.8	100.0%
Totals for Area of Interest		**21.8**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Ector and Crane Counties, Texas

RFA—Ratliff association, nearly level

Map Unit Setting

National map unit symbol: 1yz4
Elevation: 2,500 to 3,400 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 63 to 70 degrees F
Frost-free period: 210 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Ratliff and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ratliff

Setting

Landform: Plains
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 24 inches: clay loam
H3 - 24 to 80 inches: clay loam

Properties and qualities

Slope: 0 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 (0.57 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: 50 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: B
Ecological site: R077DY047TX - Sandy Loam 12-17" PZ
Hydric soil rating: No

Minor Components

Unnamed

Percent of map unit: 7 percent

Hydric soil rating: No

Unnamed, hydric

Percent of map unit: 3 percent
Landform: Depressions
Hydric soil rating: Yes

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ATTACHMENT P

SOIL ANALYSES, EVALUATION, SAMPLING, AND TESTING

SPORT ENVIRONMENTAL SERVICES, LLC
502 N. Big Spring Street, Midland, Texas 79701
Business: 432.683.1100 Fax: 888.500.0622

May 29, 2025

TRE & Associates
6101 W. Courtyard
Building I, Suite 100
Austin, TX 78730

Attn: Mr. John Jansing and Adrian Rosas **VIA EMAIL**

RE: Domestic Wastewater Permit Application – Soil Evaluation Report
CHH Odessa Lodge Site, 3006 S Highway 385, Ector County, Texas

Dear Gentlemen:

Sport Environmental Services, a Terracon Company (Sport) appreciates the opportunity to submit this Soil Evaluation Report to TRE & Associates (TRE; Client) summarizing soil evaluation services associated with a Texas Commission on Environmental Quality (TCEQ) domestic wastewater permit application at the subject facility (Site) in Ector County, Texas – see attached **Exhibit 1- USDA Soil Survey and Location Map**.

1.0 PROJECT BACKGROUND

Through conversations with TRE personnel, Sport was requested to assist TRE with certain aspects of the permit application process as they apply to conducting soil evaluations at the CHH site in West Texas. Sport contacted personnel within the TCEQ Wastewater Permitting Section, including agronomists, to obtain a more detailed perspective pertaining to gathering information for the soil evaluation sections associated with the permitting application.

2.0 FIELD ACTIVITIES

The soil evaluation and sample collection tasks were performed by Thomas C. Larson, Professional Geoscientist (PG) #3431 currently registered by the Texas Board of Professional Geoscientists (TBPG). Sport utilized a backhoe to cut six shallow trenches for soil evaluation and sample collection tasks.

2.1 Soil Evaluation – Applicable to Worksheet 3.3 (30 TAC 222.73)

Six trenches were cut into the Site soils in the prescribed subsurface drip dispersal area on April 16, 2025 – as shown on **Exhibit 1**. The excavations provided an excellent exposure of the soil profile for evaluation and sampling purposes. **Exhibit 1** has an aerial base map illustrating the soil mapping units for the Site and surrounding areas. The source of the information is the USDA Soil Conservation Service's (CSC) publication, *Soil Survey of Ector and Crane County, County, Texas, (issued August 1978).* The total depth of the exploratory trenches ranged from 4.5 to 8.5 feet below ground surface (bgs) with lengths of approximately 20 to 35 feet. A field description of the soils of each soil horizon encountered from observations of the trenches is as follows:

- Horizon A – dark brown to brown, fine sandy loam in the upper layer. Top 0-12 inches generally exhibit moderate plant roots, loose, primarily unconsolidated and <3% coarse fragments. No mottling or active water bearing zones observed. This horizon is a potential water bearing zone.
- Horizon B – brown to pale brown, sandy clay loam and clay loam. Interval from approximately 12-36 inches exhibit decreasing occurrence of plant roots with depth, loose, primarily unconsolidated and <3% coarse fragments. No mottling or active water bearing zones observed. This horizon is a potential water bearing zone. Increase of calcium carbonate replacement in sandy and clay loams with depth as shown in color changing to off white.
- Horizon Bca – this transitory zone is characterized by increase in calcium carbonate and variable textures from sandy loam to indurated calcium carbonate. Colors range from brown to gray to white. Depth of the lower (potentially restrictive) layer, containing higher concentrations of calcium carbonate with some indurated, (caliche) restrictive layers ranged from approximately 2.5 - 3 feet bgs in Trench 4 in the northeast corner of the Site to greater than 6 – 8 feet in the other five trenches advanced at the location. No mottling or active water bearing zones observed.

Soil classification and description for the USDA Soil Conservation Service (SCS) Ratliff association (RFA) mapping unit are summarized and provided in **Attachment A**. A photographic log of the exposed soil trench #6 profiles and sampling intervals are presented in **Attachment B**.

2.2 Soil Sampling/Analysis

Soil samples were collected at three depth intervals Trench 6 in accordance with applicable information in the TCEQ "*Instructions for Domestic Wastewater Permit Application"*, Worksheet 3.0 Land Application of Effluent and as especially outlined in Section 8b. The three depth intervals are zero to six-inches, six to eighteen-inches and eighteen to thirty-inches. The analytical suite for the various methods and details for the laboratory analysis required several lab preparation tasks. Eurofins Laboratory in Midland and other locations performed the analyses. The analytical results are summarized in **Table 1 – Soil Analytical Results Summary** and are also presented on the following page.

Copies of the laboratory report and analytical results are available in **Attachment C**.

Table 1 - Soil Analytical Results Summary
CHH Odessa Lodge Site, 3006 S Highway 385, Ector County, Texas
Domestic Wastewater Permit Application - Soil Evaluation Report

Parameter	Method	Unit	Sample ID TR6 0-6" 4/16/2025	Sample ID TR6 6-18" 4/16/2025	Sample ID TR6 18-30" 4/16/2025
Sodium Adsorption Ratio					
Sodium Adsorption Ratio	LA 29B SAR	None	<0.100	<0.100	**0.114**
Metals (ICP)					
Plant Available Calcium	SW846 6010D	mg/Kg	**7800**	**9710**	**11600**
Plant Available Magnesium	SW846 6010D	mg/Kg	**135**	**144**	**200**
Plant Available Phosphorus	SW846 6010D	mg/Kg	**12.2**	**12.0**	**11.3**
Plant Available Potassium	SW846 6010D	mg/Kg	**399**	**298**	**278**
Plant Available Sodium	SW846 6010D	mg/Kg	<1.28	**1.80 J**	**5.05 J**
Plant Available Sulfur	SW846 6010D	mg/Kg	**14.0**	**14.6**	**18.6**
General Chemistry					
Nitrogen, Kjeldahl	EPA 351.2	mg/Kg	**617**	**948**	**896**
Nitrate Nitrite as N	EPA 353.2	mg/Kg	**0.837 J**	<0.669	<0.669
Nitrite as N`	EPA 353.2	mg/Kg	<0.299 UF1	<0.296	<0.296
pH	SW846 9045D	SU	**7.5 HF**	**8.2 HF**	**8.2 HF**
Temperature	SW846 9045D	Deg. C	**20.4 HF**	**20.5 HF**	**20.4 HF**
Nitrate as N	SM Nitrate by calc	mg/Kg	**0.837 J**	<0.319	<0.319
Specific Conductance	SM2510	umho/cm	**372**	**353**	**233**

Notes
1. J=estimated value, U=analyte was analyzed for but not detected, F1- MS and/or MSD recovery exceeds controls limits, HF=parameter with a holding time of 15 minutes
2. See Eurofins Laboratory report for further analytical details

3.0 SUMMARY OF FIELD ACTIVITIES AND FINDINGS

Work performed in this Soil Evaluation Report addresses the requested TCEQ Domestic Wastewater Permit Application requirements in Worksheet 3.0 (Section 8b) and Worksheet 3.3 (Section 3). Photographs, figures, laboratory reports, soil descriptions and other pertinent information relevant to the soil evaluation are also included in this document to supplement to the overall domestic wastewater permit application. Field activities and findings include:

- Soils at the site include the Ratliff association (RFA) SCS mapping unit and are described and classified in **Attachment A.** Texture is described as fine sandy loam to clay loam soils. A lower, and potentially restrictive layer, having increased concentrations of calcium carbonate and some indurated caliche were observed at the total depth of the excavations.
- Six soil trenches were installed across the proposed discharge site. Physical observations showed that the soil horizon characteristics in the six trenches were consistent across the area, with minor fluctuations in interval thickness and depth.
- Soil samples were collected at three depth intervals Trench 6 in accordance with applicable information in the TCEQ "*Instructions for Domestic Wastewater Permit Application"*, Worksheet 3.0 Land Application of Effluent and as especially outlined in Section 8b.
- Samples were analyzed per Section 8b and are summarized in **Table 1**.

This concludes the scope of work for this project. If you should have any questions or comments regarding this Soil Evaluation Report, please contact Tom Larson at (432) 553-1681.

Sincerely,

Thomas C. Larson, PG

Dudley T. Womble,
MPA, REPA, CESCO
Office Manager

Attachments:
Exhibit 1 - USDA Soil Survey and Location Map
Attachment A: Ratliff Association Soils Classification and Description
Attachment B: Photographic Log – Trench 6 Profile and Sampling Intervals
Attachment C: Eurofins Laboratory Report, April 16, 2025

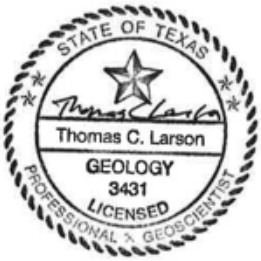
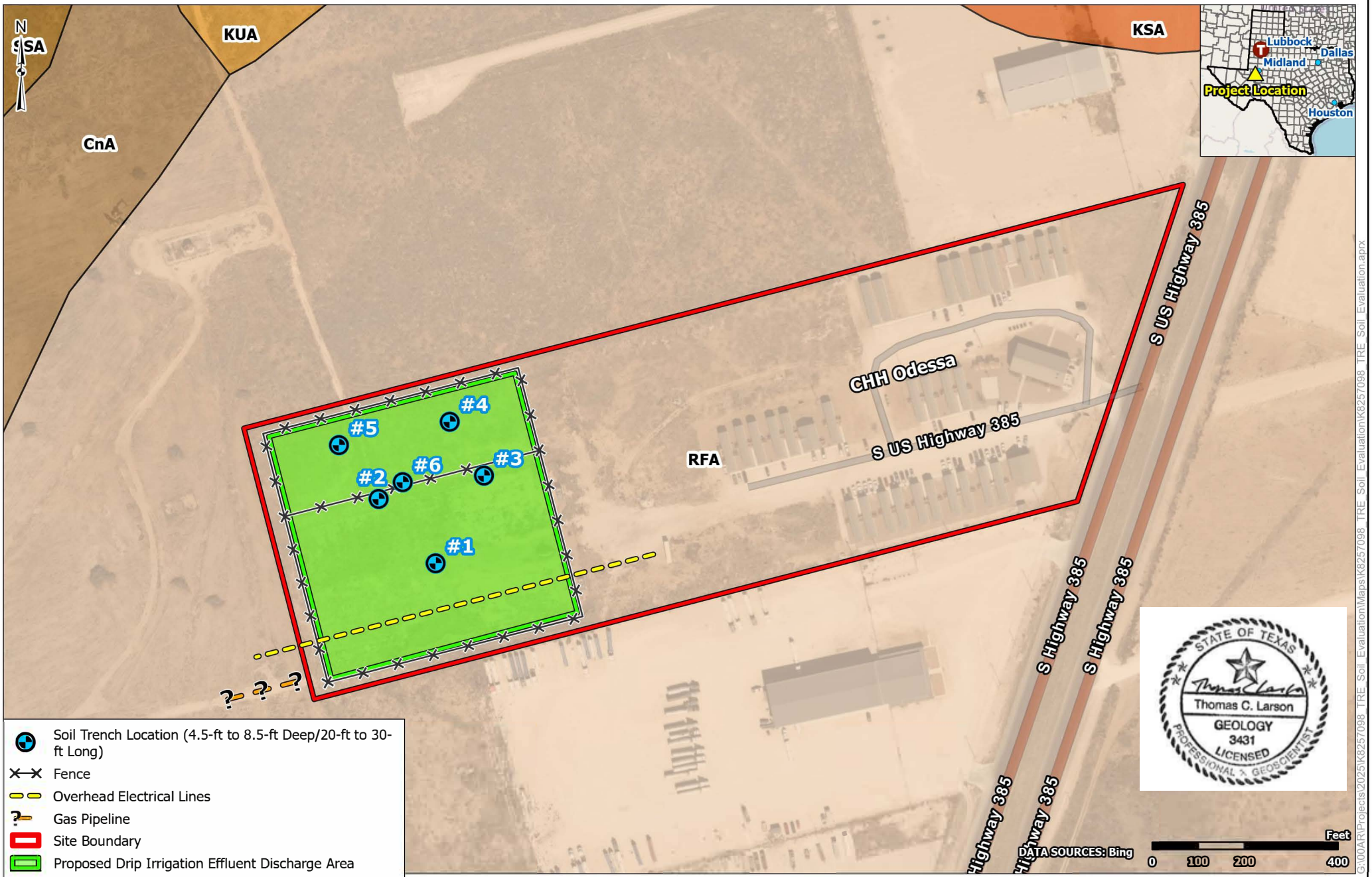


EXHIBIT 1

USDA SCS SOIL SURVEY AND LOCATION MAP

Domestic Wastewater Permit Application – Soil Evaluation Report
CHH Odessa Lodge Site, 3006 S Highway 385, Ector County, TX



STATE OF TEXAS
Thomas C. Larson
GEOLOGY
3431
LICENSED
PROFESSIONAL GEOSCIENTIST

Project No.:	K8257098
Date:	Apr 18 2025
Drawn By:	JWL
Reviewed By:	TCL

SPORT ENVIRONMENTAL SERVICES
A Terracon COMPANY
502 N Big Spring St
Midland, TX
PH. 432-683-1100
terracon.com

Soil Trench Location Map

TRE & Associates-TX-Soil Evaluation
CHH Odessa
3006 S. US Highway 385
Ector County, Texas

Exhibit

1

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ATTACHMENT A

RATLIFF ASSOCIATION SOILS CLASSIFICATION AND DESCRIPTION

Domestic Wastewater Permit Application – Soil Evaluation Report
CHH Odessa Lodge Site, 3006 S Highway 385, Ector County, TX

SOIL CLASSIFICATION AND DESCRIPTION SUMMARY SHEET

TRE & ASSOCIATES

CCH Odessa Lodge Site – Domestic Wastewater Permit Application

31.7973,-102.3697 - Ector County, Texas

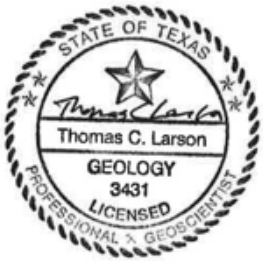
Soils Classification

SCS Mapping Unit	Series	Family or higher taxonomic class
RFA – Ratliff association, nearly level	Ratliff	Fine-loamy, mixed, thermic Ustollic Calciorthids

Soils Description

The Ratliff series consists of deep loamy soils on uplands. These soils formed in calcareous unconsolidated loamy sediments. Slope ranges from 0 to 3 percent. The solum is more than 60 inches thick. Depth to the calcic horizon is 20 to 40 inches. The soil is calcareous and moderately alkaline. The A horizon is brown or grayish brown. Texture is loam or fine sandy loam. The B horizon is light brown, pale brown or brown. It is loam or clay loam. In the Bca Horizon the secondary carbonates range from 15 to 50 percent by volume, in the soft powdery to strongly cemented forms.

*Source of Soils Classification and Description:
Soil Survey of Ector and Crane Counties, Texas, USDS Soil Conservation Service. Issued August 1978



ATTACHMENT B

PHOTOGRAPHIC LOG – TRENCH 6 PROFILE AND SAMPLING INTERVALS

Domestic Wastewater Permit Application – Soil Evaluation Report
CHH Odessa Lodge Site, 3006 S Highway 385, Ector County, TX

Photo 1 – Trench 6 showing soil profile and 0-6”, 6”-18” and 18”-30” sample intervals. Total depth 6 feet below ground surface

Photo 2 – Trench 6 view facing southwest showing transitory formation of calcium carbonate (CaCO3) in silty sands at depths of 3 to 4 feet. The CaCO3 soils were soft digging from 3-5 feet and becoming denser with depth to 6 feet.

Photo 3 – Close up view of Trench 6 soil profile from surface to about 16 inches

Photo 4 – Close up view of Trench 6 soil profile from approximately 12 to about 24 inches

Photo 5 – Close up view of Trench 6 soil profile from approximately 29 to about 41 inches

ATTACHMENT C

EUROFINS LABORATORY REPORT
APRIL 16, 2025 SAMPLING EVENT

Domestic Wastewater Permit Application – Soil Evaluation Report
CHH Odessa Lodge Site, 3006 S Highway 385, Ector County, TX

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tom Larson
Sport Environmental Services LLC
502 N Big Spring St
Midland, Texas 79701

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JOB DESCRIPTION

TRE CCH Odessa
Ector County, Tx

JOB NUMBER

880-56983-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

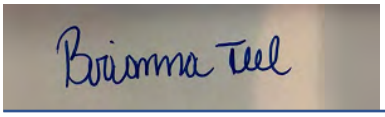
myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Brianna Teel, Project Manager
Brianna.Teel@et.eurofinsus.com
(432)704-5440

Table of Contents

Definitions/Glossary

Client: Sport Environmental Services LLC
Project/Site: TRE CCH Odessa

Job ID: 880-56983-1
SDG: Ector County, Tx

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 880-56983-1 — Eurofins Midland

Job Narrative
880-56983-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/16/2025 2:17 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 20.2°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 353.2_Nitrite: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-230874 and analytical batch 860-230861 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample ID: TR6 0-6"

Date Collected: 04/16/25 10:15
Date Received: 04/16/25 14:17
Sample Depth: 0-6"

Lab Sample ID: 880-56983-1

Matrix: Solid
Percent Solids: 95.2

Method: LA 29B SAR - Sodium Adsorption Ratio

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	<0.100	U	0.100	0.100	NONE		04/21/25 16:05	04/23/25 11:24	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Plant Available Calcium	**7800**		104	77.4	mg/Kg	☼	04/22/25 15:55	04/22/25 18:56	50
Plant Available Magnesium	**135**		2.08	0.496	mg/Kg	☼	04/22/25 15:55	04/22/25 18:48	1
Plant Available Phosphorus	**12.2**		0.416	0.203	mg/Kg	☼	04/22/25 15:55	04/22/25 18:48	1
Plant Available Potassium	**399**		5.20	1.49	mg/Kg	☼	04/22/25 15:55	04/22/25 18:48	1
Plant Avaialble Sodium	<1.28	U	5.20	1.28	mg/Kg	☼	04/22/25 15:55	04/22/25 18:48	1
Plant Available Sulfur	**14.0**		1.04	0.818	mg/Kg	☼	04/22/25 15:55	04/22/25 18:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl (EPA 351.2)	**617**		80.8	39.7	mg/Kg	☼	04/17/25 20:44	04/18/25 18:35	10
Nitrate Nitrite as N (EPA 353.2)	**0.837**	**J**	1.05	0.629	mg/Kg	☼	04/22/25 12:55	04/22/25 18:49	1
Nitrite as N (EPA 353.2)	<0.299	U F1	0.998	0.299	mg/Kg		04/22/25 10:38	04/22/25 13:38	1
pH (SW846 9045D)	**7.5**	**HF**			SU		05/01/25 11:38	05/02/25 13:11	1
Temperature (SW846 9045D)	**20.4**	**HF**			Deg. C		05/01/25 11:38	05/02/25 13:11	1
Nitrate as N (SM Nitrate by calc)	**0.837**	**J**	1.00	0.319	mg/Kg			04/22/25 17:19	1
Specific Conductance (SM 2510B)	**372**		10.0	10.0	umho/cm @ 25C		05/01/25 11:38	05/05/25 13:25	1

Client Sample ID: TR6 6-12"

Date Collected: 04/16/25 10:40
Date Received: 04/16/25 14:17
Sample Depth: 6-12"

Lab Sample ID: 880-56983-2

Matrix: Solid
Percent Solids: 94.7

Method: LA 29B SAR - Sodium Adsorption Ratio

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	<0.100	U	0.100	0.100	NONE		04/21/25 16:05	04/23/25 11:24	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Plant Available Calcium	**9710**		105	78.2	mg/Kg	☼	04/22/25 15:55	04/22/25 19:00	50
Plant Available Magnesium	**144**		2.10	0.501	mg/Kg	☼	04/22/25 15:55	04/22/25 18:52	1
Plant Available Phosphorus	**12.0**		0.420	0.205	mg/Kg	☼	04/22/25 15:55	04/22/25 18:52	1
Plant Available Potassium	**298**		5.25	1.50	mg/Kg	☼	04/22/25 15:55	04/22/25 18:52	1
Plant Avaialble Sodium	**1.80**	**J**	5.25	1.30	mg/Kg	☼	04/22/25 15:55	04/22/25 18:52	1
Plant Available Sulfur	**14.6**		1.05	0.826	mg/Kg	☼	04/22/25 15:55	04/22/25 18:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl (EPA 351.2)	**948**		162	79.8	mg/Kg	☼	04/17/25 20:48	04/18/25 18:37	20
Nitrate Nitrite as N (EPA 353.2)	<0.626	U	1.04	0.626	mg/Kg	☼	04/22/25 12:55	04/22/25 18:51	1
Nitrite as N (EPA 353.2)	<0.296	U	0.988	0.296	mg/Kg		04/22/25 10:38	04/22/25 13:39	1
pH (SW846 9045D)	**8.2**	**HF**			SU		05/01/25 11:38	05/02/25 13:11	1
Temperature (SW846 9045D)	**20.5**	**HF**			Deg. C		05/01/25 11:38	05/02/25 13:11	1
Nitrate as N (SM Nitrate by calc)	<0.319	U	1.00	0.319	mg/Kg			04/22/25 17:19	1
Specific Conductance (SM 2510B)	**353**		10.0	10.0	umho/cm @ 25C		05/01/25 11:38	05/05/25 13:25	1

Client: Sport Environmental Services LLC
Project/Site: TRE CCH Odessa

Job ID: 880-56983-1
SDG: Ector County, Tx

Client Sample ID: TR6 12-18"
Date Collected: 04/16/25 11:00
Date Received: 04/16/25 14:17
Sample Depth: 12-18"

Lab Sample ID: 880-56983-3
Matrix: Solid
Percent Solids: 89.0

Method: LA 29B SAR - Sodium Adsorption Ratio

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	0.114		0.100	0.100	NONE		04/21/25 16:05	04/23/25 11:24	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Plant Available Calcium	11600		111	82.4	mg/Kg	☼	04/22/25 15:55	04/22/25 19:02	50
Plant Available Magnesium	200		2.21	0.528	mg/Kg	☼	04/22/25 15:55	04/22/25 18:54	1
Plant Available Phosphorus	11.3		0.443	0.216	mg/Kg	☼	04/22/25 15:55	04/22/25 18:54	1
Plant Available Potassium	278		5.53	1.58	mg/Kg	☼	04/22/25 15:55	04/22/25 18:54	1
Plant Avaialble Sodium	5.05	J	5.53	1.37	mg/Kg	☼	04/22/25 15:55	04/22/25 18:54	1
Plant Available Sulfur	18.6		1.11	0.871	mg/Kg	☼	04/22/25 15:55	04/22/25 18:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl (EPA 351.2)	896		176	86.6	mg/Kg	☼	04/17/25 20:48	04/18/25 18:37	20
Nitrate Nitrite as N (EPA 353.2)	<0.669	U	1.11	0.669	mg/Kg	☼	04/22/25 12:55	04/22/25 18:52	1
Nitrite as N (EPA 353.2)	<0.298	U	0.992	0.298	mg/Kg		04/22/25 10:38	04/22/25 13:40	1
pH (SW846 9045D)	8.2	HF			SU		05/01/25 11:38	05/02/25 13:11	1
Temperature (SW846 9045D)	20.4	HF			Deg. C		05/01/25 11:38	05/02/25 13:11	1
Nitrate as N (SM Nitrate by calc)	<0.319	U	1.00	0.319	mg/Kg			04/22/25 17:19	1
Specific Conductance (SM 2510B)	233		10.0	10.0	umho/cm @ 25C		05/01/25 11:38	05/05/25 13:25	1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-230880/1-A
Matrix: Solid
Analysis Batch: 231023

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230880

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Plant Available Calcium	<1.49	U	2.00	1.49	mg/Kg		04/22/25 15:55	04/22/25 18:46	1
Plant Available Magnesium	<0.477	U	2.00	0.477	mg/Kg		04/22/25 15:55	04/22/25 18:46	1
Plant Available Phosphorus	<0.195	U	0.400	0.195	mg/Kg		04/22/25 15:55	04/22/25 18:46	1
Plant Available Potassium	<1.43	U	5.00	1.43	mg/Kg		04/22/25 15:55	04/22/25 18:46	1
Plant Avaialble Sodium	<1.23	U	5.00	1.23	mg/Kg		04/22/25 15:55	04/22/25 18:46	1
Plant Available Sulfur	<0.787	U	1.00	0.787	mg/Kg		04/22/25 15:55	04/22/25 18:46	1

Lab Sample ID: 880-56983-1 DU
Matrix: Solid
Analysis Batch: 231023

Client Sample ID: TR6 0-6"
Prep Type: Total/NA
Prep Batch: 230880

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Plant Available Magnesium	135		134.9		mg/Kg	☼	0.3	20
Plant Available Phosphorus	12.2		12.44		mg/Kg	☼	2	25
Plant Available Potassium	399		402.5		mg/Kg	☼	0.8	20
Plant Avaialble Sodium	<1.28	U	<1.29	U	mg/Kg	☼	NC	20
Plant Available Sulfur	14.0		13.38		mg/Kg	☼	5	20

Lab Sample ID: 880-56983-1 DU
Matrix: Solid
Analysis Batch: 231023

Client Sample ID: TR6 0-6"
Prep Type: Total/NA
Prep Batch: 230880

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Plant Available Calcium	7800		7684		mg/Kg	☼	2	20
Plant Available Magnesium	154		151.6		mg/Kg	☼	2	20
Plant Available Phosphorus	11.3	J	10.98	J	mg/Kg	☼	3	25
Plant Available Potassium	348		306.8		mg/Kg	☼	13	20
Plant Avaialble Sodium	<64.2	U	<64.5	U	mg/Kg	☼	NC	20
Plant Available Sulfur	<40.9	U	<41.1	U	mg/Kg	☼	NC	20

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 860-230031/42-A
Matrix: Solid
Analysis Batch: 230304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230031

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<3.57	U	7.27	3.57	mg/Kg		04/17/25 20:44	04/18/25 18:07	1

Lab Sample ID: MB 860-230031/4-A
Matrix: Solid
Analysis Batch: 230304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 230031

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<0.0982	U	0.200	0.0982	mg/Kg		04/17/25 20:44	04/18/25 17:50	1

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LCS 860-230031/43-A
Matrix: Solid
Analysis Batch: 230304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230031

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	72.7	74.09		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 860-230031/44-A
Matrix: Solid
Analysis Batch: 230304

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 230031

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	72.7	76.55		mg/Kg		105	90 - 110	3	20

Lab Sample ID: LLCS 860-230031/5-A
Matrix: Solid
Analysis Batch: 230304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 230031

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	0.200	0.1542	J	mg/Kg		77	50 - 150

Lab Sample ID: 880-56983-1 MS
Matrix: Solid
Analysis Batch: 230304

Client Sample ID: TR6 0-6"
Prep Type: Total/NA
Prep Batch: 230031

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	617		79.3	776.4	4	mg/Kg	☼	201	90 - 110

Lab Sample ID: 880-56983-1 MSD
Matrix: Solid
Analysis Batch: 230304

Client Sample ID: TR6 0-6"
Prep Type: Total/NA
Prep Batch: 230031

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	617		79.3	722.8	4	mg/Kg	☼	133	90 - 110	7	20

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 860-230861/3
Matrix: Solid
Analysis Batch: 230861

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	<0.0300	U	0.100	0.0300	mg/Kg			04/22/25 13:37	1

Lab Sample ID: LCS 860-230861/4
Matrix: Solid
Analysis Batch: 230861

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	1.00	0.9874		mg/Kg		99	90 - 110

Method: 353.2 - Nitrogen, Nitrite (Continued)

Lab Sample ID: LCSD 860-230861/5
Matrix: Solid
Analysis Batch: 230861

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N			1.00	0.9782		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-56983-1 MS
Matrix: Solid
Analysis Batch: 230861

Client Sample ID: TR6 0-6"
Prep Type: Total/NA
Prep Batch: 230874

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N	<0.299	U F1	9.98	<0.299	U F1	mg/Kg		0	90 - 110		

Lab Sample ID: 880-56983-1 MSD
Matrix: Solid
Analysis Batch: 230861

Client Sample ID: TR6 0-6"
Prep Type: Total/NA
Prep Batch: 230874

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrite as N	<0.299	U F1	9.98	<0.299	U F1	mg/Kg		0	90 - 110	NC	20

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: 880-56983-3 DU
Matrix: Solid
Analysis Batch: 233570

Client Sample ID: TR6 12-18"
Prep Type: Total/NA
Prep Batch: 232883

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Specific Conductance	233			232.2		umho/cm @ 25C				0.4	20

Lab Sample ID: MB 860-233570/2
Matrix: Solid
Analysis Batch: 233570

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<10.0	U	10.0	10.0	umho/cm @ 25C			05/05/25 13:25	1

Metals

Prep Batch: 230590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56983-1	TR6 0-6"	Total/NA	Solid	29B	
880-56983-2	TR6 6-12"	Total/NA	Solid	29B	
880-56983-3	TR6 12-18"	Total/NA	Solid	29B	

Prep Batch: 230878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56983-1	TR6 0-6"	Total/NA	Solid	29B	230590
880-56983-2	TR6 6-12"	Total/NA	Solid	29B	230590
880-56983-3	TR6 12-18"	Total/NA	Solid	29B	230590

Prep Batch: 230880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56983-1	TR6 0-6"	Total/NA	Solid	MEHL Prep	
880-56983-2	TR6 6-12"	Total/NA	Solid	MEHL Prep	
880-56983-3	TR6 12-18"	Total/NA	Solid	MEHL Prep	
MB 860-230880/1-A	Method Blank	Total/NA	Solid	MEHL Prep	
880-56983-1 DU	TR6 0-6"	Total/NA	Solid	MEHL Prep	

Analysis Batch: 231023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56983-1	TR6 0-6"	Total/NA	Solid	6010D	230880
880-56983-1	TR6 0-6"	Total/NA	Solid	6010D	230880
880-56983-2	TR6 6-12"	Total/NA	Solid	6010D	230880
880-56983-2	TR6 6-12"	Total/NA	Solid	6010D	230880
880-56983-3	TR6 12-18"	Total/NA	Solid	6010D	230880
880-56983-3	TR6 12-18"	Total/NA	Solid	6010D	230880
MB 860-230880/1-A	Method Blank	Total/NA	Solid	6010D	230880
880-56983-1 DU	TR6 0-6"	Total/NA	Solid	6010D	230880
880-56983-1 DU	TR6 0-6"	Total/NA	Solid	6010D	230880

Analysis Batch: 231043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56983-1	TR6 0-6"	Total/NA	Solid	29B SAR	230878
880-56983-2	TR6 6-12"	Total/NA	Solid	29B SAR	230878
880-56983-3	TR6 12-18"	Total/NA	Solid	29B SAR	230878

General Chemistry

Prep Batch: 230031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56983-1	TR6 0-6"	Total/NA	Solid	351.2	
880-56983-2	TR6 6-12"	Total/NA	Solid	351.2	
880-56983-3	TR6 12-18"	Total/NA	Solid	351.2	
MB 860-230031/42-A	Method Blank	Total/NA	Solid	351.2	
MB 860-230031/4-A	Method Blank	Total/NA	Solid	351.2	
LCS 860-230031/43-A	Lab Control Sample	Total/NA	Solid	351.2	
LCSD 860-230031/44-A	Lab Control Sample Dup	Total/NA	Solid	351.2	
LLCS 860-230031/5-A	Lab Control Sample	Total/NA	Solid	351.2	
880-56983-1 MS	TR6 0-6"	Total/NA	Solid	351.2	
880-56983-1 MSD	TR6 0-6"	Total/NA	Solid	351.2	

General Chemistry

Analysis Batch: 230304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56983-1	TR6 0-6"	Total/NA	Solid	351.2	230031
880-56983-2	TR6 6-12"	Total/NA	Solid	351.2	230031
880-56983-3	TR6 12-18"	Total/NA	Solid	351.2	230031
MB 860-230031/42-A	Method Blank	Total/NA	Solid	351.2	230031
MB 860-230031/4-A	Method Blank	Total/NA	Solid	351.2	230031
LCS 860-230031/43-A	Lab Control Sample	Total/NA	Solid	351.2	230031
LCSD 860-230031/44-A	Lab Control Sample Dup	Total/NA	Solid	351.2	230031
LLCS 860-230031/5-A	Lab Control Sample	Total/NA	Solid	351.2	230031
880-56983-1 MS	TR6 0-6"	Total/NA	Solid	351.2	230031
880-56983-1 MSD	TR6 0-6"	Total/NA	Solid	351.2	230031

Analysis Batch: 230563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56983-1	TR6 0-6"	Total/NA	Solid	Moisture	
880-56983-2	TR6 6-12"	Total/NA	Solid	Moisture	
880-56983-3	TR6 12-18"	Total/NA	Solid	Moisture	
MB 860-230563/1	Method Blank	Total/NA	Solid	Moisture	

Prep Batch: 230821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56983-1	TR6 0-6"	Total/NA	Solid	KCl Extract	
880-56983-2	TR6 6-12"	Total/NA	Solid	KCl Extract	
880-56983-3	TR6 12-18"	Total/NA	Solid	KCl Extract	

Analysis Batch: 230861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56983-1	TR6 0-6"	Total/NA	Solid	353.2	230874
880-56983-2	TR6 6-12"	Total/NA	Solid	353.2	230874
880-56983-3	TR6 12-18"	Total/NA	Solid	353.2	230874
MB 860-230861/3	Method Blank	Total/NA	Solid	353.2	
LCS 860-230861/4	Lab Control Sample	Total/NA	Solid	353.2	
LCSD 860-230861/5	Lab Control Sample Dup	Total/NA	Solid	353.2	
880-56983-1 MS	TR6 0-6"	Total/NA	Solid	353.2	230874
880-56983-1 MSD	TR6 0-6"	Total/NA	Solid	353.2	230874

Prep Batch: 230874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56983-1	TR6 0-6"	Total/NA	Solid	KCl Extract	
880-56983-2	TR6 6-12"	Total/NA	Solid	KCl Extract	
880-56983-3	TR6 12-18"	Total/NA	Solid	KCl Extract	
880-56983-1 MS	TR6 0-6"	Total/NA	Solid	KCl Extract	
880-56983-1 MSD	TR6 0-6"	Total/NA	Solid	KCl Extract	

Analysis Batch: 230903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56983-1	TR6 0-6"	Total/NA	Solid	Nitrate by calc	
880-56983-2	TR6 6-12"	Total/NA	Solid	Nitrate by calc	
880-56983-3	TR6 12-18"	Total/NA	Solid	Nitrate by calc	

General Chemistry

Analysis Batch: 231061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56983-1	TR6 0-6"	Total/NA	Solid	353.2	230821
880-56983-2	TR6 6-12"	Total/NA	Solid	353.2	230821
880-56983-3	TR6 12-18"	Total/NA	Solid	353.2	230821

Prep Batch: 232883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56983-1	TR6 0-6"	Total/NA	Solid	29B	
880-56983-2	TR6 6-12"	Total/NA	Solid	29B	
880-56983-3	TR6 12-18"	Total/NA	Solid	29B	
880-56983-3 DU	TR6 12-18"	Total/NA	Solid	29B	

Leach Batch: 233214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56983-1	TR6 0-6"	Total/NA	Solid	DI Leach	232883
880-56983-2	TR6 6-12"	Total/NA	Solid	DI Leach	232883
880-56983-3	TR6 12-18"	Total/NA	Solid	DI Leach	232883

Analysis Batch: 233221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56983-1	TR6 0-6"	Total/NA	Solid	9045D	233214
880-56983-2	TR6 6-12"	Total/NA	Solid	9045D	233214
880-56983-3	TR6 12-18"	Total/NA	Solid	9045D	233214

Prep Batch: 233540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56983-1	TR6 0-6"	Total/NA	Solid	Sat Paste Ext	232883
880-56983-2	TR6 6-12"	Total/NA	Solid	Sat Paste Ext	232883
880-56983-3	TR6 12-18"	Total/NA	Solid	Sat Paste Ext	232883
880-56983-3 DU	TR6 12-18"	Total/NA	Solid	Sat Paste Ext	232883

Analysis Batch: 233570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-56983-1	TR6 0-6"	Total/NA	Solid	SM 2510B	233540
880-56983-2	TR6 6-12"	Total/NA	Solid	SM 2510B	233540
880-56983-3	TR6 12-18"	Total/NA	Solid	SM 2510B	233540
MB 860-233570/2	Method Blank	Total/NA	Solid	SM 2510B	
LCS 860-233570/3	Lab Control Sample	Total/NA	Solid	SM 2510B	
LCSD 860-233570/4	Lab Control Sample Dup	Total/NA	Solid	SM 2510B	
880-56983-3 DU	TR6 12-18"	Total/NA	Solid	SM 2510B	233540

Lab Chronicle

Client: Sport Environmental Services LLC
Project/Site: TRE CCH Odessa

Job ID: 880-56983-1
SDG: Ector County, Tx

Client Sample ID: TR6 0-6"

Lab Sample ID: 880-56983-1

Date Collected: 04/16/25 10:15
Matrix: Solid
Date Received: 04/16/25 14:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	29B			83.35 g	79.44 g	230590	04/21/25 16:05	PB	EET HOU
Total/NA	Prep	29B			30 g	30 mL	230878	04/22/25 15:53	PB	EET HOU
Total/NA	Analysis	29B SAR		1			231043	04/23/25 11:24	JDM	EET HOU
Total/NA	Prep	KCl Extract			5.01 g	50 mL	230874	04/22/25 10:38	MLEI	EET HOU
Total/NA	Analysis	353.2		1	10 mL	10 mL	230861	04/22/25 13:38	MLEI	EET HOU
Total/NA	Prep	29B			147.75 g	128.58 g	232883	05/01/25 11:38	CT	EET HOU
Total/NA	Leach	DI Leach			20 g	20 mL	233214	05/02/25 13:03	CT	EET HOU
Total/NA	Analysis	9045D		1	20 g	20 mL	233221	05/02/25 13:11	AC	EET HOU
Total/NA	Analysis	Moisture		1			230563	04/21/25 13:01	JC	EET HOU
Total/NA	Analysis	Nitrate by calc		1			230903	04/22/25 17:19	MC	EET HOU
Total/NA	Prep	29B			147.75 g	128.58 g	232883	05/01/25 11:38	CT	EET HOU
Total/NA	Prep	Sat Paste Ext			60.01 g	1.0 mL	233540	05/05/25 11:44	MR	EET HOU
Total/NA	Analysis	SM 2510B		1			233570	05/05/25 13:25	MR	EET HOU

Client Sample ID: TR6 0-6"

Lab Sample ID: 880-56983-1

Date Collected: 04/16/25 10:15
Matrix: Solid
Date Received: 04/16/25 14:17
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	MEHL Prep			2.02 g	20 mL	230880	04/22/25 15:55	PB	EET HOU
Total/NA	Analysis	6010D		1			231023	04/22/25 18:48	JDM	EET HOU
Total/NA	Prep	MEHL Prep			2.02 g	20 mL	230880	04/22/25 15:55	PB	EET HOU
Total/NA	Analysis	6010D		50			231023	04/22/25 18:56	JDM	EET HOU
Total/NA	Prep	351.2			0.52 g	20 mL	230031	04/17/25 20:44	ALL	EET HOU
Total/NA	Analysis	351.2		10			230304	04/18/25 18:35	MLEI	EET HOU
Total/NA	Prep	KCl Extract			5.01 g	50 mL	230821	04/22/25 12:55	MLEI	EET HOU
Total/NA	Analysis	353.2		1	10 mL	10 mL	231061	04/22/25 18:49	MLEI	EET HOU

Client Sample ID: TR6 6-12"

Lab Sample ID: 880-56983-2

Date Collected: 04/16/25 10:40
Matrix: Solid
Date Received: 04/16/25 14:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	29B			47.76 g	45.12 g	230590	04/21/25 16:05	PB	EET HOU
Total/NA	Prep	29B			30 g	30 mL	230878	04/22/25 15:53	PB	EET HOU
Total/NA	Analysis	29B SAR		1			231043	04/23/25 11:24	JDM	EET HOU
Total/NA	Prep	KCl Extract			5.06 g	50 mL	230874	04/22/25 10:38	MLEI	EET HOU
Total/NA	Analysis	353.2		1	10 mL	10 mL	230861	04/22/25 13:39	MLEI	EET HOU
Total/NA	Prep	29B			151.39 g	111.27 g	232883	05/01/25 11:38	CT	EET HOU
Total/NA	Leach	DI Leach			20 g	20 mL	233214	05/02/25 13:03	CT	EET HOU
Total/NA	Analysis	9045D		1	20 g	20 mL	233221	05/02/25 13:11	AC	EET HOU
Total/NA	Analysis	Moisture		1			230563	04/21/25 13:01	JC	EET HOU
Total/NA	Analysis	Nitrate by calc		1			230903	04/22/25 17:19	MC	EET HOU

Lab Chronicle

Client: Sport Environmental Services LLC
Project/Site: TRE CCH Odessa

Job ID: 880-56983-1
SDG: Ector County, Tx

Client Sample ID: TR6 6-12"

Lab Sample ID: 880-56983-2

Date Collected: 04/16/25 10:40
Matrix: Solid
Date Received: 04/16/25 14:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	29B			151.39 g	111.27 g	232883	05/01/25 11:38	CT	EET HOU
Total/NA	Prep	Sat Paste Ext			60.01 g	1.0 mL	233540	05/05/25 11:44	MR	EET HOU
Total/NA	Analysis	SM 2510B		1			233570	05/05/25 13:25	MR	EET HOU

Client Sample ID: TR6 6-12"

Lab Sample ID: 880-56983-2

Date Collected: 04/16/25 10:40
Matrix: Solid
Date Received: 04/16/25 14:17
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	MEHL Prep			2.01 g	20 mL	230880	04/22/25 15:55	PB	EET HOU
Total/NA	Analysis	6010D		1			231023	04/22/25 18:52	JDM	EET HOU
Total/NA	Prep	MEHL Prep			2.01 g	20 mL	230880	04/22/25 15:55	PB	EET HOU
Total/NA	Analysis	6010D		50			231023	04/22/25 19:00	JDM	EET HOU
Total/NA	Prep	351.2			0.52 g	20 mL	230031	04/17/25 20:48	ALL	EET HOU
Total/NA	Analysis	351.2		20			230304	04/18/25 18:37	MLEI	EET HOU
Total/NA	Prep	KCl Extract			5.06 g	50 mL	230821	04/22/25 12:55	MLEI	EET HOU
Total/NA	Analysis	353.2		1	10 mL	10 mL	231061	04/22/25 18:51	MLEI	EET HOU

Client Sample ID: TR6 12-18"

Lab Sample ID: 880-56983-3

Date Collected: 04/16/25 11:00
Matrix: Solid
Date Received: 04/16/25 14:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	29B			38.9 g	34.46 g	230590	04/21/25 16:05	PB	EET HOU
Total/NA	Prep	29B			30 g	30 mL	230878	04/22/25 15:53	PB	EET HOU
Total/NA	Analysis	29B SAR		1			231043	04/23/25 11:24	JDM	EET HOU
Total/NA	Prep	KCl Extract			5.04 g	50 mL	230874	04/22/25 10:38	MLEI	EET HOU
Total/NA	Analysis	353.2		1	10 mL	10 mL	230861	04/22/25 13:40	MLEI	EET HOU
Total/NA	Prep	29B			152.85 g	130.38 g	232883	05/01/25 11:38	CT	EET HOU
Total/NA	Leach	DI Leach			20 g	20 mL	233214	05/02/25 13:03	CT	EET HOU
Total/NA	Analysis	9045D		1	20 g	20 mL	233221	05/02/25 13:11	AC	EET HOU
Total/NA	Analysis	Moisture		1			230563	04/21/25 13:01	JC	EET HOU
Total/NA	Analysis	Nitrate by calc		1			230903	04/22/25 17:19	MC	EET HOU
Total/NA	Prep	29B			152.85 g	130.38 g	232883	05/01/25 11:38	CT	EET HOU
Total/NA	Prep	Sat Paste Ext			60.04 g	1.0 mL	233540	05/05/25 11:44	MR	EET HOU
Total/NA	Analysis	SM 2510B		1			233570	05/05/25 13:25	MR	EET HOU

Client Sample ID: TR6 12-18"

Lab Sample ID: 880-56983-3

Date Collected: 04/16/25 11:00
Matrix: Solid
Date Received: 04/16/25 14:17
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	MEHL Prep			2.03 g	20 mL	230880	04/22/25 15:55	PB	EET HOU
Total/NA	Analysis	6010D		1			231023	04/22/25 18:54	JDM	EET HOU
Total/NA	Prep	MEHL Prep			2.03 g	20 mL	230880	04/22/25 15:55	PB	EET HOU
Total/NA	Analysis	6010D		50			231023	04/22/25 19:02	JDM	EET HOU

Lab Chronicle

Client: Sport Environmental Services LLC
Project/Site: TRE CCH Odessa

Job ID: 880-56983-1
SDG: Ector County, Tx

Client Sample ID: TR6 12-18"

Date Collected: 04/16/25 11:00
Date Received: 04/16/25 14:17

Lab Sample ID: 880-56983-3

Matrix: Solid
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	351.2			0.51 g	20 mL	230031	04/17/25 20:48	ALL	EET HOU
Total/NA	Analysis	351.2		20			230304	04/18/25 18:37	MLEI	EET HOU
Total/NA	Prep	KCl Extract			5.04 g	50 mL	230821	04/22/25 12:55	MLEI	EET HOU
Total/NA	Analysis	353.2		1	10 mL	10 mL	231061	04/22/25 18:52	MLEI	EET HOU

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: Sport Environmental Services LLC
Project/Site: TRE CCH Odessa

Job ID: 880-56983-1
SDG: Ector County, Tx

Laboratory: Eurofins Houston

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	07-01-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
29B SAR	29B	Solid	Sodium Adsorption Ratio
351.2	351.2	Solid	Nitrogen, Kjeldahl
6010D	MEHL Prep	Solid	Plant Available Sulfur
9045D	29B	Solid	Temperature
Moisture		Solid	Percent Solids
Nitrate by calc		Solid	Nitrate as N

Method Summary

Client: Sport Environmental Services LLC
Project/Site: TRE CCH Odessa

Job ID: 880-56983-1
SDG: Ector County, Tx

Method	Method Description	Protocol	Laboratory
29B SAR	Sodium Adsorption Ratio	LA	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
351.2	Nitrogen, Total Kjeldahl	EPA	EET HOU
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET HOU
353.2	Nitrogen, Nitrite	EPA	EET HOU
9045D	pH	SW846	EET HOU
Moisture	Percent Moisture	EPA	EET HOU
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	EET HOU
SM 2510B	Conductivity, Specific Conductance	SM	EET HOU
29B	Preparation, Dry, Grind and Sieve	LA	EET HOU
29B	Preparation, Sodium Absorption Ratio	LA	EET HOU
351.2	Nitrogen, Total Kjeldahl	EPA	EET HOU
DI Leach	Deionized Water Leaching Procedure	ASTM	EET HOU
KCl Extract	Potassium chloride Extraction	EPA	EET HOU
KCL Extraction	Potassium chloride Extraction - Auto Complete	EPA	EET HOU
MEHL Prep	Preparation, MEHL	None	EET HOU
Sat Paste Ext	Saturated Paste Extraction	TAL SOP	EET HOU

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

LA = Statewide Order No. 29-B, State Of Louisianna

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Sample Summary

Client: Sport Environmental Services LLC
Project/Site: TRE CCH Odessa

Job ID: 880-56983-1
SDG: Ector County, Tx

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-56983-1	TR6 0-6"	Solid	04/16/25 10:15	04/16/25 14:17	0-6"
880-56983-2	TR6 6-12"	Solid	04/16/25 10:40	04/16/25 14:17	6-12"
880-56983-3	TR6 12-18"	Solid	04/16/25 11:00	04/16/25 14:17	12-18"

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-333
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

880-56983 Chain of Custody

www.xenco.com Page _____ of _____

Project Manager:	Tom Larson	Bill to: (if different)	
Company Name:	Sport Environmental Services, LLC.	Company Name:	
Address:	502 N Big Spring St	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-553-1681	Email:	thomas@sportenv.com, lan@sportenv.com, dudley@sportenv.com, logan@sportenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	TRE CCH Odessa	Turn Around	☑ Routine ☐ Rush
Project Number:			
Project Location:	Ector County, TX	Due Date:	
Sampler's Name:	Tom Larson	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes ~~No~~	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-.1
Sample Custody Seals:	Yes No N/A	Temperature Reading:	20.3
Total Containers:		Corrected Temperature:	20.0

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	6010D-plant avail P,K,Ca,Na,S,M	353.2_Nitrite-Nitrogen Nitirte	29B_SAR_Calc_SAR	2510B Spec Cond 351.2Total Kjedahl Nitrogen (TKN) Nitrogen, Total - TN	353.2 Nitrogen, Nitrite, Nitrate	Moisture - Percent Moisture
TRG 0-6"	S	4.16.25	1015	0-6"	comp	8		X	X	X	X	X	X
TRG 6-12"	S	↓	1040	6-12"	comp	8		X	X	X	X	X	X
TRG 12-18"	S	↓	1100	12-18	comp	8		X	X	X	X	X	X

Sample Comments

TCEQ Wastewater Program
* Lab ID 88000202
See lab proj #

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Tom Larson		4/16/25 1417	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev: 2020.2

Bottle Order Information

Bottle Order: TCEQ Soils
Bottle Order #: 1864
Request From Client: 4/11/2025
Date Order Posted: 4/11/2025 11:29:14AM
Order Status: Ready To Process
Prepared By: Brianna Teel
Deliver By Date: ~~4/14/2025~~ 11:59:00PM
Lab Project Number: 88000202
PWSID:

Order Completion Information

Creator: Brianna Teel
Filled by:
Sent Date:
Sent Via:
Tracking #:

Sets	Bottles/Set	Qty	Bottle Type Description	Preservative	Method	Matrix	Sample Type	Comments	Lot #
4	1	4	Soil jar 8oz - clear glass	None	6010D - Plant Available P, K, Ca, Na, S, M	Solid	Normal		
4	1	4	Soil jar 8oz - clear glass	None	353.2_Nitrite - Nitrogen Nitrite	Solid	Normal		
4	1	4	Soil jar 8oz - clear glass	None	29B_SAR_Calc - SAR	Solid	Normal		
4	1	4	Soil jar 4oz - clear glass	None	2510B - Specific Conductance	Solid	Normal		
					351.2 - Total Kjeldahl Nitrogen (TKN)	Solid	Normal		
					Nitrogen,Total - TN	Solid	Normal		
4	0	0	Soil jar 4oz - clear glass	None	353.2 - Nitrogen,Nitrate-Nitrite	Solid	Normal		
4	1	4	Soil jar 2oz - clear glass	None	Moisture - Percent Moisture	Solid	Normal		

Total Bottle Summary

Bottle Type Description	Preservative	Bottle Count
Normal		**20**
Soil jar 2oz - clear glass	None	4
Soil jar 4oz - clear glass	None	4
Soil jar 8oz - clear glass	None	12
	Total Bottles:	**20**

Notes to Field Staff:

Scan QR code for field sampler instructions

Health and Safety Notes:

Preservative | Comment

Please notify your PM immediately if an error is found in shipment. When returning samples, please return all provided QC samples.

eurofins | Environment Testing Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-333
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

880-56983 Chain of Custody

www.xenco.com Page _____ of _____

Project Manager:	Tom Larson	Bill to: (if different)	
Company Name:	Sport Environmental Services, LLC.	Company Name:	
Address:	502 N Big Spring St	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-553-1681	Email:	thomas@sportenv.com, lan@sportenv.com, dudley@sportenv.com, logan@sportemv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	TRE CCH Odessa	Turn Around	☑ Routine ☐ Rush
Project Number:		Due Date:	
Project Location:	Ector County, TX	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Tom Larson		
PO #:			

SAMPLE RECEIPT

Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	IR6
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	20.3
Total Containers:		Corrected Temperature:	20.0

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	6010D-plant avail P,K,Ca,Na,S,M	353.2_Nitrite-Nitorgen Nitirte	29B_SAR_Calc_SAR	2510B Spec Cond 351.2Total Kjedahl Nitrogen (TKN) Nitrogen, Total - TN	353.2 Nitrogen, Nitrate-Nitrite	Moisture - Percent Moisture	Sample Comments
TR6 0-6"	S	4.16.25	1015	0-6"	Comp	PB	X	X	X	X	X	X	TCEQ Wastewater Program
TR6 6-12"	S	↓	1040	6-12"	Comp	B	X	X	X	X	X	X	Lab ID 88000202
TR6 12-18"	S	↓	1100	12-18"	Comp	B	X	X	X	X	X	X	
													See lab proj #

Total 200.7 / 6010 **200.8 / 6020:** 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Tom Larson		4/16/25 1417	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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PWSID:

Order Completion Information

Creator: Brianna Teel
Filled by:
Sent Date:
Sent Via:
Tracking #:

Sets	Bottles/Set	Qty	Bottle Type Description	Preservative	Method	Matrix	Sample Type	Comments	Lot #
4	1	4	Soil jar 8oz - clear glass	None	6010D - Plant Available P, K, Ca, Na, S, M	Solid	Normal		
4	1	4	Soil jar 8oz - clear glass	None	353.2_Nitrite - Nitrogen Nitrite	Solid	Normal		
4	1	4	Soil jar 8oz - clear glass	None	29B_SAR_Calc - SAR	Solid	Normal		
4	1	4	Soil jar 4oz - clear glass	None	2510B - Specific Conductance 351.2 - Total Kjeldahl Nitrogen (TKN) Nitrogen,Total - TN	Solid Solid Solid	Normal Normal Normal		
4	0	0	Soil jar 4oz - clear glass	None	353.2 - Nitrogen,Nitrate-Nitrite	Solid	Normal		
4	1	4	Soil jar 2oz - clear glass	None	Moisture - Percent Moisture	Solid	Normal		

Total Bottle Summary

Bottle Type Description	Preservative	Bottle Count
Normal		**20**
Soil jar 2oz - clear glass	None	4
Soil jar 4oz - clear glass	None	4
Soil jar 8oz - clear glass	None	12
	Total Bottles:	**20**

Notes to Field Staff:

Scan QR code for field sampler instructions

Health and Safety Notes:

Preservative Comment

Please notify your PM immediately if an error is found in shipment. When returning samples, please return all provided QC samples.

Login Sample Receipt Checklist

Client: Sport Environmental Services LLC

Job Number: 880-56983-1
SDG Number: Ector County, Tx

Login Number: 56983
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Sport Environmental Services LLC

Job Number: 880-56983-1
SDG Number: Ector County, Tx

Login Number: 56983
List Number: 2
Creator: Grandits, Corey

List Source: Eurofins Houston
List Creation: 04/17/25 11:40 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

ATTACHMENT Q

RECHARGE FEATURE PLAN

Recharge Feature Plan

Corporate Hospitality Housing is expanding an oil field man camp in Odessa, Ector County, Texas. and is proposing a Wastewater Treatment Plant (WWTP) and Subsurface Area Drip Dispersal System (SADDS) as improvements for treating an increased demand in wastewater.

Under TAC Title 30, Part 1, Rule 222.79, proposed improvements that are permitted under the TCEQ must provide documentation of the presence or absence of any recharge features identified on any tracts of land owned, operated, controlled, rented, or leased by the applicant and to be used as part of the facility.

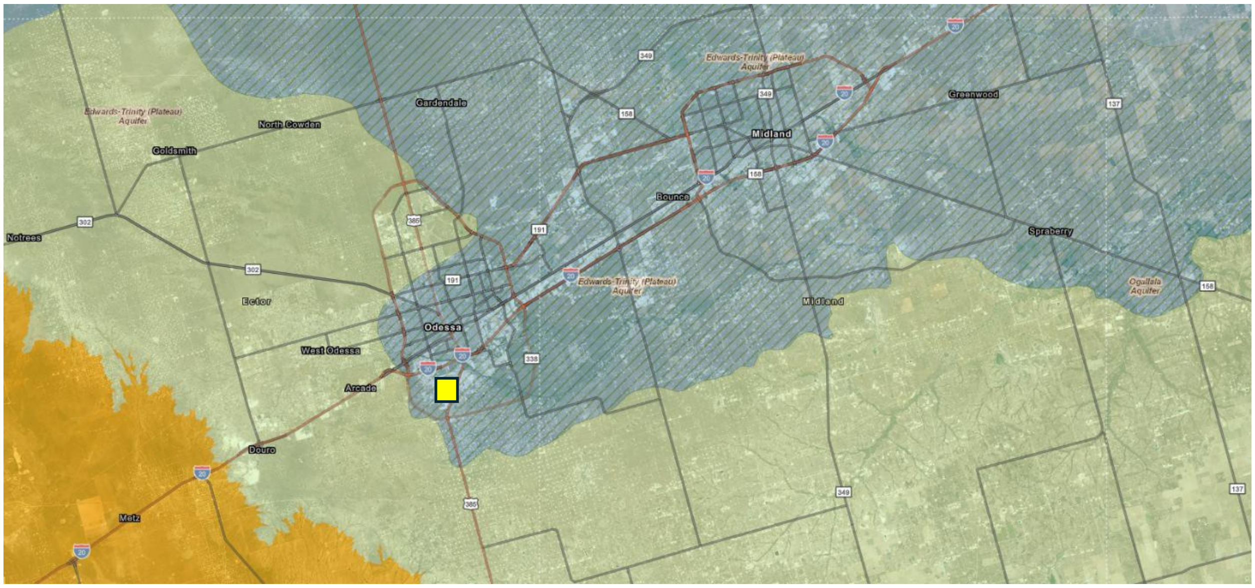
NRCS and Sport Environmental and the Soil Trench Location Map found on Attachment P show that the site is over Ratliff Association Soils. The texture is loam or fine sand load. The soil is calcareous and moderately alkaline. The A horizon is brown or grayish brown. Slope ranges from 0 to 3 percent. The B horizon is light brown, pale brown or brown. In the Bca Horizon the secondary carbonates range from 15 to 50 percent by volume, in the soft powdery to strongly cemented forms.

Using GIS provided by the Texas Water Development Board (TWDB) and observations made by a certified geologist, the site is within the boundaries of the Edwards Trinity (Subcrop), Ogallala (See TWDB Map #1) and Dockum Minor Aquifers (See TWDB Map #2). The approximate depth to groundwater is 40' per Well Report for Tracking #318188. Exhibit 1 by Sport Environmental shows the general direction of groundwater flow is southeast.

Wells within a ½ mile radius are mainly used for domestic or public supply use. Well logs are provided as supplemental documents.

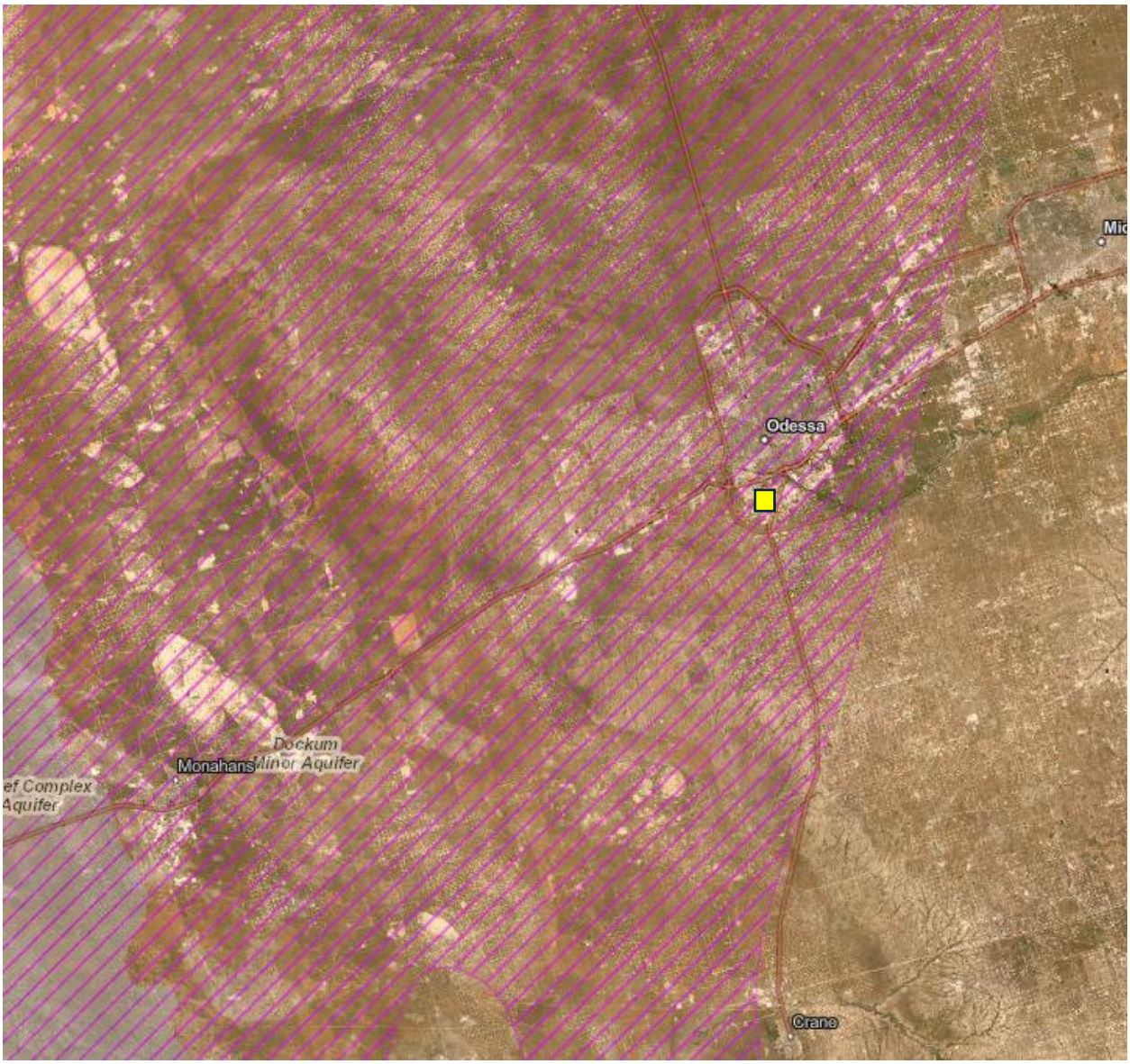
The recharge features will not be used by the facility and wells within the 500' buffer zones will be tested on a regular basis to confirm that the wastewater improvements will have minimum impact to groundwater quality. A berm will be placed wherever stormwater is flowing off the property to protect neighbors from contamination.

TWDB Map #1 (Major Aquifers)

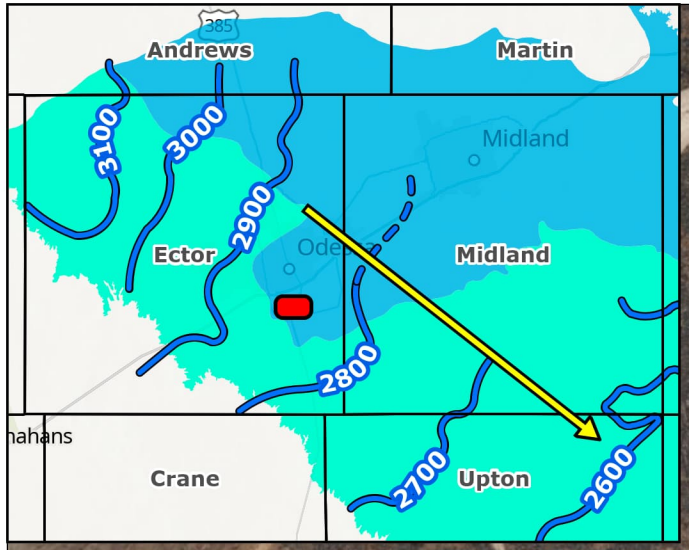


Approximate Site Location

TWDB Map #2 (Minor Aquifers)



Approximate Site Location



CHH Odessa

DATA SOURCES: Bing

Feet
0 100 200 400

Sources:
TWDB Report 235
Occurrence, Availability, And Chemical Quality Of Ground Water In The Edwards Plateau Region Of Texas - Loyd Walker, 1979

TWDB - Texas Aquifers Study
Groundwater Quantity, Flow and Contributions to Surface Water - 2016

- Groundwater Flow Direction
- Groundwater Elevation
- Groundwater Elevation (Inferred
- Site Boundary
- Proposed Drip Irrigation Effluent Discharge Area
- EDWARDS-TRINITY (Outcrop) Aquifer
- EDWARDS-TRINITY (Subcrop) Aquifer

Project No.:	K8257098
Date:	May 20 2025
Drawn By:	JWL
Reviewed By:	TCL

SPORT ENVIRONMENTAL SERVICES
A Terracon COMPANY
502 N Big Spring St
Midland, TX
PH. 432-683-1100
terracon.com

Aquifer Groundwater Flow Direction Map

TRE & Associates-TX-Soil Evaluation
CHH Odessa
3006 S. US Highway 385
Ector County, Texas

Exhibit

1

G:\00AR\Projects\2025\K8257098_TRE_Soil_Evaluation\Maps\K8257098_TRE_Soil_Evaluation\K8257098_TRE_Soil_Evaluation.aprx

ATTACHMENT R

SITE PREPARATION PLAN

Site Preparation Plan

Corporate Hospitality Housing owns and operates an oil and gas workforce housing facility in Odessa, Ector County, Texas and is proposing a Wastewater Treatment Plant (WWTP) and Subsurface Area Drip Dispersal System (SADDS) as improvements for treating and disposal of wastewater.

Under TAC Title 30, Part 1, Rule 222.75, proposed improvements that are permitted under the TCEQ must provide a site preparation plan that illustrates how site preparation will alleviate potential site-specific limitation and ensure suitability for the subsurface area drip dispersal system.

Improvements will require the removal of existing vegetation as needed to install the subsurface irrigation system and the owner will be responsible to replace vegetation according to the Annual Cropping Plan and Irrigation Plans related to this application. The site will be graded to prevent stormwater runoff from encroaching into proposed irrigation area. The owner shall also import soil as needed should restrictive horizons within the subsurface area drip disposal system be encountered. The imported soil shall be in accordance with the subsurface irrigation design plans.

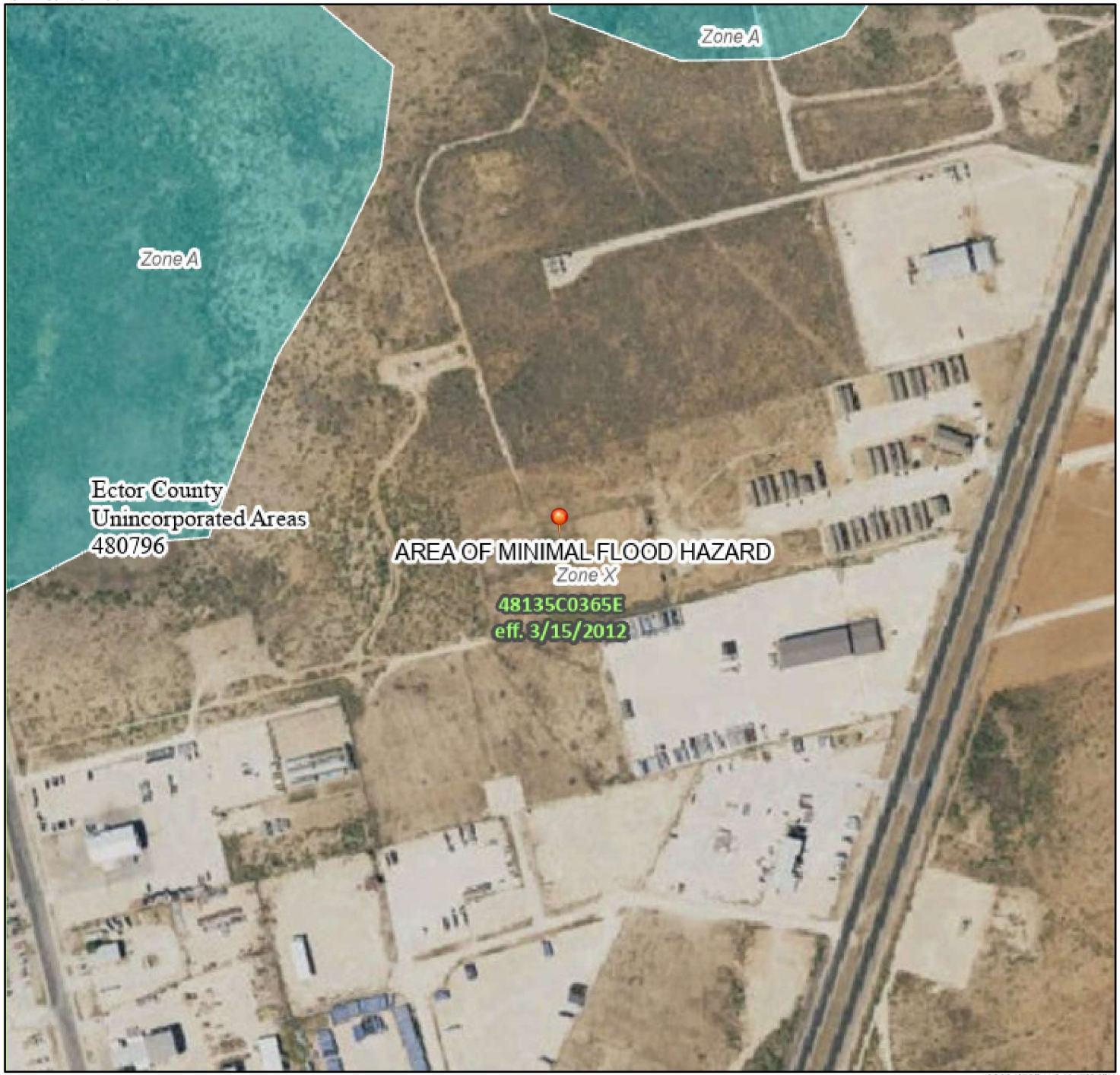
ATTACHMENT S

FLOODWAY MAP

National Flood Hazard Layer FIRMette

FEMA

102°22'30"W 31°48'6"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

102°21'53"W 31°47'36"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

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

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

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

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

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

N

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

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

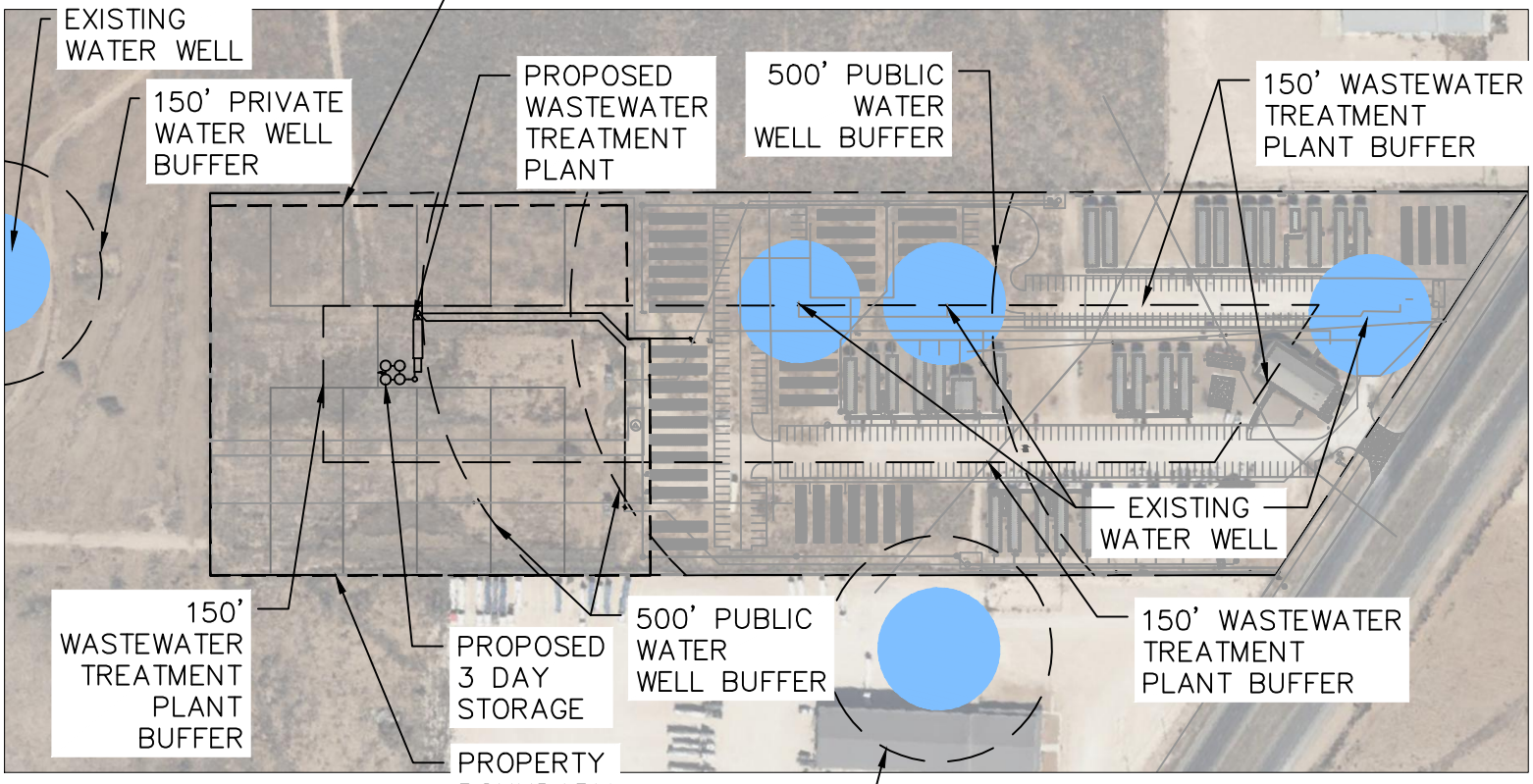
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/29/2025 at 3:45 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

ATTACHMENT T

BUFFER MAP

BUFFER ZONE MAP



LEGEND

LOT LINE

BUFFER

TRE & ASSOCIATES
Engineering Solutions
TBPE FIRM No. 13987
110 Mesa Park, Suite 200
El Paso, Texas 79912
Office: (915) 852-8093
Fax: (915) 629-8506
6101 W. Courtyard Dr., Bldg. 1, Ste. 100
Austin, Texas 78730
Office: (512) 358-4049
Fax: (512) 366-5374

SCALE: 1"=250'

GRAPHIC SCALE IN FEET

0 125 250 375 500

STATE OF TEXAS WELL REPORT for Tracking #303238

Owner:	**Fernando Flores**	Owner Well #:	**No Data**
Address:	**2157 W. McCormick Odessa, TX 79766**	Grid #:	**45-13-6**
Well Location:	**2157 W. McCormick Odessa, TX 79766**	Latitude:	**31° 47' 49" N**
		Longitude:	**102° 22' 40" W**
Well County:	**Ector**	Elevation:	**2886 ft. above sea level**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **10/29/2012** Drilling End Date: **10/29/2012**

Borehole:

Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
8.75	**0**	**120**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

Filter Pack Intervals:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
25	**120**	**Gravel**	**Vealmore**

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
0	**10**	**8 Cement**
10	**25**	**10 Holeplug**

Seal Method: **Poured slurry**

Sealed By: **WTWWS**

Distance to Property Line (ft.): **10**

Distance to Septic Field or other concentrated contamination (ft.): **+100**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Water Quality:

Strata Depth (ft.)	Water Type
25 - 120	**Fresh**

Chemical Analysis Made: **No**

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

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

Company Information: **West Texas Water Well Service**

3410 Mankins
Odessa, TX 79764

Driller Name: **Rory Roach** License Number: **54815**

Apprentice Name: **Josh Bowman** Apprentice Number: **58748**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**1**	**Topsoil**
1	**15**	**Caliche**
15	**35**	**Tan sandstone**
35	**60**	**White sandstone**
60	**65**	**Tan shale**
65	**85**	**Brown sandstone**
85	**90**	**Brown sandstone & tan clay**
90	**100**	**Brown & white sandstone**
100	**115**	**White sandstone**
115	**118**	**Gray clay**
118	**120**	**Red clay**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5	**New**	**Plastic**	**screen 120 - 80 .035**
5	**New**	**Plastic**	**blank 80 - 0**

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

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

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

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

STATE OF TEXAS WELL REPORT for Tracking #159751

Owner:	**Juana Gomez**	Owner Well #:	**No Data**
Address:	**3884 S. West County Rd Odessa, TX**	Grid #:	**45-13-6**
Well Location:	**3884 S. West County Rd Odessa, TX**	Latitude:	**31° 47' 48" N**
		Longitude:	**102° 22' 39" W**
Well County:	**Ector**	Elevation:	**No Data**

Type of Work: **New Well** Proposed Use: **Domestic**

Drilling Start Date: **7/11/2005** Drilling End Date: **7/11/2005**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8.5**	**0**	**120**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**100**	**120**	**Gravel**	

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**100**	**29 Cement**

Seal Method: **Pumped**

Sealed By: **Jason**

Distance to Property Line (ft.): **7**

Distance to Septic Field or other concentrated contamination (ft.): **54**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Estimated** **Yield: 20 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	**No Data**

Chemical Analysis Made: **No**

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

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

Company Information: **Wheeler Drilling Company**

4223 West 16th Street
Odessa, TX 79763

Driller Name: **Ronald R. Wheeler** License Number: **1540**

Comments: **$mew**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**1**	**Top Soil**
1	**25**	**Caliche**
25	**50**	**Dry Sand**
50	**95**	**Wet Sand**
95	**115**	**Water Sand**
115	**118**	**Gray Clay**
118	**120**	**Red Bed**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5	**New**	**PVC**	**0 - 100**
5	**New**	**PVC**	**Slotted 100 - 120**

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

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(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #549452

Owner:	**Noe Zamarripa**	Owner Well #:	**No Data**
Address:	**3862 S. County Rd West Odessa, TX 79766**	Grid #:	**45-13-6**
Well Location:	**2151 1/2 W. McCormick st Odessa, TX 79766**	Latitude:	**31° 47' 50.83" N**
		Longitude:	**102° 22' 38.14" W**
Well County:	**Ector**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **5/28/2020** Drilling End Date: **5/28/2020**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8.75**	**0**	**116**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**86**	**116**	**Gravel**	

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**86**	**Cement 26 Bags/Sacks**

Seal Method: **Pumped**

Sealed By: **Driller**

Distance to Property Line (ft.): **11**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **65**

Method of Verification: **measured**

Surface Completion: **Surface Sleeve Installed** **Surface Completion by Driller**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Estimated** **Yield: 20+ GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	**No Data**

Chemical Analysis Made: **No**

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

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

Company Information: **Wheeler Drilling**

4223 W. 16th
Odessa, TX 79763

Driller Name: **Ronald Wheeler** License Number: **1540**

Apprentice Name: **Curtis Armentrout** Apprentice Number: **57608**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**2**	**top soil**
2	**30**	**caliche**
30	**40**	**dry sand**
40	**86**	**wet sand**
86	**110**	**water sand**
110	**115**	**gray clay**
115	**116**	**red bed**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
5	**Blank**	**New Plastic (PVC)**		**0**	**86**
5	**Perforated or Slotted**	**New Plastic (PVC)**		**86**	**116**

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STATE OF TEXAS WELL REPORT for Tracking #581722

Owner:	**Hector Franco**	Owner Well #:	**No Data**
Address:	**3860 South County Rd W. Odessa, TX 79766**	Grid #:	**45-13-6**
Well Location:	**3860 South County Rd W. Odessa, TX 79766**	Latitude:	**31° 47' 48.48" N**
		Longitude:	**102° 22' 37.12" W**
Well County:	**Ector**	Elevation:	**No Data**

Type of Work: **New Well** Proposed Use: **Domestic**

Drilling Start Date: **7/19/2021** Drilling End Date: **7/19/2021**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8.75**	**0**	**120**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**100**	**120**	**Gravel**	

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**100**	**Cement 30 Bags/Sacks**

Seal Method: **Pumped**

Sealed By: **Driller**

Distance to Property Line (ft.): **10**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **51**

Method of Verification: **measured**

Surface Completion: **Surface Sleeve Installed** **Surface Completion by Driller**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Estimated** **Yield: 25+ GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	**No Data**

Chemical Analysis Made: **No**

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

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

Company Information: **Wheeler Drilling**

4223 W. 16th
Odessa, TX 79763

Driller Name: **Ronald Wheeler** License Number: **1540**

Apprentice Name: **Curtis Armentrout** Apprentice Number: **57608**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**2**	**top soil**
2	**10**	**caliche**
10	**35**	**dry sand**
35	**100**	**wet sand**
100	**116**	**water sand**
116	**120**	**red bed**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
5	**Blank**	**New Plastic (PVC)**		**0**	**100**
5	**Perforated or Slotted**	**New Plastic (PVC)**		**100**	**120**

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STATE OF TEXAS WELL REPORT for Tracking #186745

Owner:	**Salazar Service**	Owner Well #:	**No Data**
Address:	**1260 SE 800 Andrews, TX**	Grid #:	**45-13-6**
		Latitude:	**31° 47' 40" N**
Well Location:	**4050 SCR W Odessa, TX**	Longitude:	**102° 22' 31" W**
Well County:	**Ector**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **6/27/2006** Drilling End Date: **6/27/2006**

Borehole:

Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
8.5	**0**	**122**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

Filter Pack Intervals:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
70	**122**	**Gravel**	

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
0	**15**	**5 Cement**

Seal Method: **Pumped**

Sealed By: **Jason**

Distance to Property Line (ft.): **51**

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

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Estimated** **Yield: 25 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	**No Data**

Chemical Analysis Made: **No**

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

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

Company Information: **Wheeler Drilling Co.**

4223 West 16th Street
Odessa, TX 79763

Driller Name: **Ron Wheeler** License Number: **1540**

Comments: **$mew**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**3**	**Caliche**
3	**5**	**Soil**
5	**50**	**Rock**
50	**60**	**Dry Sand**
60	**70**	**Wet Sand**
70	**120**	**Water Sand**
120	**122**	**Red Bed**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5	**New**	**PVC**	**0 - 92**
5	**New**	**PVC - Slotted**	**92 - 122**

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STATE OF TEXAS WELL REPORT for Tracking #345641

Owner:	**Mercer**	Owner Well #:	**No Data**
Address:	**Hwy 385 Odessa, TX**	Grid #:	**45-13-6**
		Latitude:	**31° 47' 37" N**
Well Location:	**Hwy 385 Odessa, TX**	Longitude:	**102° 22' 30" W**
Well County:	**Ector**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Irrigation**

Drilling Start Date: **11/5/2013** Drilling End Date: **11/5/2013**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**7.875**	**0**	**130**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**0**	**130**	**Gravel**	**Pea Size**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**10**	**5**

Seal Method: **Mixer**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed**

Water Level: **80 ft.** below land surface on **2013-11-05** Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **Submersible**

Well Tests: **Estimated** **Yield: 80 GPM with 5 ft. drawdown after 1 hours**

Water Quality:

Strata Depth (ft.)	Water Type
80	**Fresh**

Chemical Analysis Made: **No**

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

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

Company Information: **Marks Water Well**

P.O. Box 295
Odessa, TX 79760

Driller Name: **Bryan Mehlhoff** License Number: **4550**

Apprentice Name: **Bryan Mehlhoff** Apprentice Number: **59300**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**20**	**top soil**
20	**40**	**caliche**
40	**60**	**caliche & brown sand stone**
60	**80**	**brown sand**
80	**100**	**white sand**
100	**120**	**white sand**
120	**130**	**gravel & blue shell & redbed**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.) New/Used Type Setting From/To (ft.)
5" new slotted 130-120 0.35
5" new plastic 120-0

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STATE OF TEXAS WELL REPORT for Tracking #663819

Owner:	**Henry Dyck**	Owner Well #:	**No Data**
Address:	**S. County Road West Odessa , TX 79766**	Grid #:	**45-14-4**
Well Location:	**S. County Road West Odessa, TX 79766**	Latitude:	**31° 47' 51.29" N**
		Longitude:	**102° 22' 17.77" W**
Well County:	**Ector**	Elevation:	**No Data**

Type of Work: **New Well** Proposed Use: **Domestic**

Drilling Start Date: **4/8/2024** Drilling End Date: **4/8/2024**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8.34**	**0**	**125**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**0**	**125**	**Gravel**	**Pea**

Annular Seal Data: **No Data**

Seal Method: **Hand Mixed**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed** **Surface Completion by Driller**

Water Level: **No Data** on **2024-04-08** Measurement Method: **Sonic/Radar**

Packers: **No Data**

Type of Pump: **Submersible**

Well Tests: **Estimated** **Yield: 80 GPM with 5 ft. drawdown after 1 hours**

Water Quality:

Strata Depth (ft.)	Water Type
0 - 60	**Fresh**

Chemical Analysis Made: **No**

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

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

Company Information: **MARK'S WATER WELL SERVICE, INC**

PO BOX 271
ODESSA, TX 79760

Driller Name: **Bryan A Mehlhoff**

License Number: **59300**

Apprentice Number: **49300**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**32**	**Rock & Caliche**
32	**40**	**Brown Sand Stone**
40	**52**	**White & Gray Sand Stone**
52	**74**	**Tan Sand**
74	**93**	**White Sand & Little Gravel**
93	**104**	**Yellow sand**
104	**120**	**White Sand & Blue Shell**
120	**125**	**Blue Shell & Redbed**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
5	**Blank**	**New Plastic (PVC)**		**0**	**105**
5	**Screen**	**New Plastic (PVC)**		**105**	**125**

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STATE OF TEXAS WELL REPORT for Tracking #355778

Owner:	**Michael Smart**	Owner Well #:	**No Data**
Address:	**509 schirra Gardendale, TX**	Grid #:	**45-14-4**
Well Location:	**509 Grandendale, TX**	Latitude:	**31° 47' 39" N**
		Longitude:	**102° 22' 15" W**
Well County:	**Ector**	Elevation:	**No Data**

Type of Work: **New Well** Proposed Use: **Irrigation**

Drilling Start Date: **2/8/2014** Drilling End Date: **2/8/2014**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**7.875**	**0**	**140**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**0**	**140**	**Gravel**	**Pea Size**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**10**	**5**

Seal Method: **Mixer**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed**

Water Level: **120 ft.** below land surface on **2014-02-08** Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **Submersible**

Well Tests: **Estimated** **Yield: 100 GPM with 5 ft. drawdown after 1 hours**

Water Quality:

Strata Depth (ft.)	Water Type
100	**Fresh**

Chemical Analysis Made: **No**

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

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

Company Information: **Marks Water Well**

P.O. Box 295
Odessa, TX 79760

Driller Name: **Bryan Mehlhoff** License Number: **4550**

Apprentice Name: **Bryan Mehlhoff** Apprentice Number: **59300**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**20**	**top soil**
20	**40**	**caliche & brown sand**
40	**60**	**brown sand stone**
60	**80**	**brown sand**
80	**100**	**brown sand & white sand**
100	**120**	**white sand & yellow sand**
120	**140**	**gravel & blue shell & redbed**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5" new slotted 140-120 0.35			
5" new plastic 120-0			

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(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #372608

Owner:	**Tall City**	Owner Well #:	**No Data**
Address:	**6001 S, Hwy 385 Odessa, TX 79764**	Grid #:	**45-14-4**
Well Location:	**6001 S. Hwy 385 Odessa, TX**	Latitude:	**31° 47' 37" N**
		Longitude:	**102° 22' 11" W**
Well County:	**Ector**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Irrigation**

Drilling Start Date: **6/17/2014** Drilling End Date: **6/17/2014**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**7.875**	**0**	**150**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**0**	**150**	**Gravel**	**pea size**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**10**	**5**

Seal Method: **mixer**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed**

Water Level: **100 ft.** below land surface on **2014-05-17** Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **Submersible**

Well Tests: **Estimated** **Yield: 50 GPM with 5 ft. drawdown after 1 hours**

Water Quality:

Strata Depth (ft.)	Water Type
80	**fresh**

Chemical Analysis Made: **No**

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

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

Company Information: **Marks Water Well**

P.O. Box 295
Odessa, TX 79760

Driller Name: **Mark A. Mehlhoff** License Number: **4550**

Apprentice Name: **Bryan Mehlhoff** Apprentice Number: **59300**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**20**	**top soil**
20	**40**	**calachie**
40	**60**	**clichie**
60	**80**	**brown sand & gravel**
80	**100**	**gravel & white sand**
100	**120**	**white & yellow sand**
120	**140**	**blue shell & red bed**
140	**150**	**red bed**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5" new slotted 150-140 0.35			
5" new plastic 140-0			

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STATE OF TEXAS WELL REPORT for Tracking #358154

Owner:	**Joel Solis**	Owner Well #:	**No Data**
Address:	**6001 Hwy 385 Odessa, TX**	Grid #:	**45-14-4**
Well Location:	**6001 Hwy 385 Odessa, TX**	Latitude:	**31° 47' 40" N**
		Longitude:	**102° 22' 05" W**
Well County:	**Ector**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Irrigation**

Drilling Start Date: **3/15/2014** Drilling End Date: **3/15/2014**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**7.875**	**0**	**140**

Drilling Method: **Air Rotary**

Borehole Completion: **Unknown**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**10**	**5**

Seal Method: **mixer**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed**

Water Level: **80 ft.** below land surface on **2014-03-15** Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **Submersible**

Well Tests: **Estimated** **Yield: 100 GPM with 5 ft. drawdown after 1 hours**

Water Quality:

Strata Depth (ft.)	Water Type
60	**fresh**

Chemical Analysis Made: **No**

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

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

Company Information: **Mark Mehlhoff**

P.O. Box 295
Odessa, TX 79760

Driller Name: **Mark Mehlhoff**

License Number: **4550**

Apprentice Number: **59300**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**20**	**top soil**
20	**40**	**caliche**
40	**60**	**caliche & brown sand**
60	**80**	**brown sand stone & white sand**
80	**100**	**white sand**
100	**120**	**brown sand**
120	**140**	**gravel & red bed**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5" new slotted 140-120 0.35			
5" new plastic 120-0			

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

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P.O. Box 12157
Austin, TX 78711
(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #318186

Owner:	**Zimmerman Construction**	Owner Well #:	**#1**
Address:	**3006 S. Highway 385 Odessa, TX 79766**	Grid #:	**45-14-4**
Well Location:	**3006 So. Hwy 385 Odessa, TX 79766**	Latitude:	**31° 47' 53" N**
		Longitude:	**102° 22' 06" W**
Well County:	**Ector**	Elevation:	**2890 ft. above sea level**
Type of Work:	**New Well**	Proposed Use:	**Public Supply**

Drilling Start Date: **4/26/2013** Drilling End Date: **4/26/2013** **Plans Approved by TCEQ - YES**

Borehole:

Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
9.875	**0**	**134**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

Filter Pack Intervals:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
45	**134**	**Gravel**	**8/16**

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
0	**40**	**17 Cement**
40	**45**	**2 Holeplug**

Seal Method: **Trimmie pipe**

Sealed By: **WTWWS**

Distance to Property Line (ft.): **100**

Distance to Septic Field or other concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **Submersible**

Well Tests: **Pump** **Yield: 65 GPM with 41 ft. drawdown after 24 hours**

Water Quality:

Strata Depth (ft.)	Water Type
45 - 134	**Fresh**

Chemical Analysis Made: **Yes**

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

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

Company Information: **West Texas Water Well Service**

3410 Mankins
Odessa, TX 79764

Driller Name: **Rory Roach** License Number: **54815**

Apprentice Name: **Josh Bowman** Apprentice Number: **58748**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**6**	**Topsoil**
6	**10**	**Tan sand & caliche**
10	**30**	**Caliche**
30	**40**	**Tan & brown sandstone**
40	**60**	**Tan sandstone**
60	**85**	**Tan sandstone & gravel**
85	**90**	**Tan & brown sandstone**
90	**105**	**White sandstone**
105	**110**	**Tan & brown sandstone**
110	**121**	**Tan & white sandstone**
121	**123**	**Yellow clay**
123	**129**	**Gray clay**
129	**134**	**Red clay**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.) New/Used Type Setting From/To (ft.)
6 New Plastic screen 134 - 94 .035
6 New Plastic blank 94 - 0

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STATE OF TEXAS WELL REPORT for Tracking #318188

Owner:	**Zimmerman Construction**	Owner Well #:	**#2**
Address:	**3006 S. Highway 385 Odessa, TX 79766**	Grid #:	**45-14-4**
Well Location:	**3006 So. Hwy 385 Odessa, TX 79766**	Latitude:	**31° 47' 54" N**
		Longitude:	**102° 22' 04" W**
Well County:	**Ector**	Elevation:	**2909 ft. above sea level**
Type of Work:	**New Well**	Proposed Use:	**Public Supply**

Drilling Start Date: **4/29/2013** Drilling End Date: **4/29/2013** **Plans Approved by TCEQ - YES**

Borehole:

Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
9.875	**0**	**133**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

Filter Pack Intervals:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
40	**133**	**Gravel**	**8/16**

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
0	**35**	**15 Cement**
35	**40**	**2 Holeplug**

Seal Method: **Trimmie pipe**

Sealed By: **WTWWS**

Distance to Property Line (ft.): **100**

Distance to Septic Field or other concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **Submersible**

Well Tests: **Pump** **Yield: 75 GPM with 43 ft. drawdown after 24 hours**

Water Quality:

Strata Depth (ft.)	Water Type
40 - 133	**Fresh**

Chemical Analysis Made: **Yes**

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

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

Company Information: **West Texas Water Well Service**

3410 Mankins
Odessa, TX 79764

Driller Name: **Rory Roach** License Number: **54815**

Apprentice Name: **Josh Bowman** Apprentice Number: **58748**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**5**	**Topsoil**
5	**15**	**Caliche & tan sand**
15	**30**	**Caliche**
30	**33**	**White & tan sandstone**
33	**55**	**Tan sandstone**
55	**81**	**Tan & brown sandstone**
81	**90**	**Tan & brown sandstone & gravel**
90	**95**	**White sandstone**
95	**105**	**White & brown sandstone**
105	**115**	**White sandstone**
115	**126**	**Tan & brown sandstone**
126	**132**	**Gray clay**
132	**133**	**Red clay**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
6	**New**	**Plastic**	**screen 133 - 93 .035**
6	**New**	**Plastic**	**blank 93 - 0**

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STATE OF TEXAS WELL REPORT for Tracking #509731

Owner:	**Triple Play Transport**	Owner Well #:	**No Data**
Address:	**3060 S. Hwy 385 Odessa, TX 79766**	Grid #:	**45-14-4**
Well Location:	**3060 S. Hwy 385 Odessa, TX**	Latitude:	**31° 47' 52" N**
		Longitude:	**102° 22' 02" W**
Well County:	**Ector**	Elevation:	**No Data**

Type of Work: **New Well** Proposed Use: **Domestic**

Drilling Start Date: **3/12/2019** Drilling End Date: **3/12/2019**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8.75**	**0**	**130**

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

Borehole Completion: **Straight Wall**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**10**	**Cement 0.25 Yards**

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **25+**

Distance to Septic Field or other concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **100+**

Method of Verification: **Owner**

Surface Completion: **No Data**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	**No Data**

Chemical Analysis Made: **No**

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

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

Company Information: **Couch Operating, LLC**

PO Box 1625
Levelland, TX 79336

Driller Name: **Lyndon Couch** License Number: **58461**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**4**	**Top soil**
4	**15**	**Caliche**
15	**30**	**Sandstone**
30	**35**	**Rock**
35	**48**	**Sandstone**
48	**60**	**Sand and clay**
60	**70**	**Sandstone**
70	**90**	**Sand and gravel**
90	**112**	**Sand and clay**
112	**120**	**Sand**
120	**125**	**Blue clay**
125	**130**	**Red clay**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
5	**Blank**	**New Plastic (PVC)**	**200**	**0**	**90**
5	**Perforated or Slotted**	**New Plastic (PVC)**	**200 0.035**	**90**	**130**

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STATE OF TEXAS WELL REPORT for Tracking #318192

Owner:	**Zimmerman Construction**	Owner Well #:	**#3**
Address:	**3006 S. Highway 385 Odessa, TX 79766**	Grid #:	**45-14-4**
Well Location:	**3006 So. Hwy 385 Odessa, TX 79766**	Latitude:	**31° 47' 55" N**
		Longitude:	**102° 21' 57" W**
Well County:	**Ector**	Elevation:	**2906 ft. above sea level**
Type of Work:	**New Well**	Proposed Use:	**Public Supply**

Drilling Start Date: **4/30/2013** Drilling End Date: **4/30/2013** **Plans Approved by TCEQ - YES**

Borehole:

Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
9.875	**0**	**134**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

Filter Pack Intervals:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
40	**134**	**Gravel**	**8/16**

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
0	**35**	**22 Cement**
35	**40**	**2 Holeplug**

Seal Method: **Trimmie pipe**

Sealed By: **WTWWS**

Distance to Property Line (ft.): **80**

Distance to Septic Field or other concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **Submersible**

Well Tests: **Pump** **Yield: 75 GPM with 23 ft. drawdown after 24 hours**

Water Quality:

Strata Depth (ft.)	Water Type
40 - 134	**Fresh**

Chemical Analysis Made: **Yes**

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

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

Company Information: **West Texas Water Well Service**

3410 Mankins
Odessa, TX 79764

Driller Name: **Rory Roach** License Number: **54815**

Apprentice Name: **Josh Bowman** Apprentice Number: **58748**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**5**	**Topsoil**
5	**20**	**Tan sand & caliche**
20	**33**	**Caliche**
33	**50**	**Tan sandstone**
50	**75**	**Brown sandstone**
75	**80**	**Brown & tan sandstone**
80	**93**	**Tan & white sandstone**
93	**110**	**Brown sandstone**
110	**128**	**White & brown sandstone**
128	**130**	**Yellow clay**
130	**134**	**Red clay**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
6	**New**	**Plastic**	**screen 134 - 94 .035**
6	**New**	**Plastic**	**blank 94 - 0**

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STATE OF TEXAS WELL REPORT for Tracking #265473

Owner:	**Joe Hensley**	Owner Well #:	**One**
Address:	**1751 Southfork Odessa, TX**	Grid #:	**45-14-4**
Well Location:	**1751 Southfork Odessa, TX**	Latitude:	**31° 47' 46" N**
		Longitude:	**102° 21' 51" W**
Well County:	**Ector**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **2/1/2006** Drilling End Date: **2/1/2006**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8.5**	**0**	**130**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**70**	**130**	**Gravel**	

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**15**	**5**

Seal Method: **Pumped**

Sealed By: **Jason**

Distance to Property Line (ft.): **50+**

Distance to Septic Field or other concentrated contamination (ft.): **100+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Estimated** **Yield: 20 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	**No Data**

Chemical Analysis Made: **No**

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

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

Company Information: **Wheeler Drilling Company**

4223 W 16th St.
Odessa, TX 79763

Driller Name: **Ron Wheeler** License Number: **1540**

Comments: **^EAD**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**3**	**topsoil**
3	**20**	**caliche**
20	**25**	**hard rock**
25	**50**	**dry sand**
50	**70**	**wet sand**
70	**128**	**water sand**
128	**130**	**red bed**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5" N PVC 0'-110'			
5" N PVC Slotted 110'-130'			

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STATE OF TEXAS WELL REPORT for Tracking #466375

Owner:	**Angel Marquez**	Owner Well #:	**No Data**
Address:	**309 E Harrisburg Odessa, TX 79765**	Grid #:	**45-14-4**
		Latitude:	**31° 48' 01.94" N**
Well Location:	**2751 S Hwy 385 Odessa, TX 79766**	Longitude:	**102° 21' 46.15" W**
Well County:	**Ector**	Elevation:	**No Data**

Type of Work: **New Well** Proposed Use: **Domestic**

Drilling Start Date: **10/25/2017** Drilling End Date: **10/25/2017**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8.5**	**0**	**130**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**90**	**130**	**Gravel**	

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**90**	**Cement 27 Bags/Sacks**

Seal Method: **Pumped**

Sealed By: **Driller**

Distance to Property Line (ft.): **11**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **n/a**

Method of Verification: **measured**

Surface Completion: **Surface Sleeve Installed** **Surface Completion by Driller**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **Estimated** **Yield: 20+ GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	**No Data**

Chemical Analysis Made: **No**

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

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

Company Information: **Wheeler Drilling**

4223 W. 16th
Odessa, TX 79763

Driller Name: **Ronald Wheeler** License Number: **1540**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**3**	**top soil**
3	**15**	**caliche**
15	**60**	**brown sandstone**
60	**90**	**tan sandstone**
90	**110**	**red water sand**
110	**120**	**brown water gravel**
120	**125**	**gray clay/water sand**
125	**130**	**red water sand/red bed**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
5	**Blank**	**New Plastic (PVC)**		**0**	**90**
5	**Perforated or Slotted**	**New Plastic (PVC)**		**90**	**130**

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STATE OF TEXAS WELL REPORT for Tracking #682374

Owner:	**Henry Dyck**	Owner Well #:	**1**
Address:	**Gladiator St Odessa , TX 79766**	Grid #:	**45-14-4**
Well Location:	**Gladiator St Odessa, TX 79766**	Latitude:	**31° 47' 51.94" N**
		Longitude:	**102° 21' 46.08" W**
Well County:	**Ector**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **11/1/2024** Drilling End Date: **11/1/2024**

Borehole:

Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
8.34	**0**	**140**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

Filter Pack Intervals:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
20	**140**	**Gravel**	**Pea**

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
0	**18**	**Cement 5 Bags/Sacks**
18	**20**	**Bentonite 2 Bags/Sacks**

Seal Method: **Hand Mixed**

Sealed By: **Driller**

Distance to Property Line (ft.): **20**

Distance to Septic Field or other concentrated contamination (ft.): **50**

Distance to Septic Tank (ft.): **50+**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed** **Surface Completion by Driller**

Water Level: **No Data** on **2024-11-01** Measurement Method: **Sonic/Radar**

Packers: **No Data**

Type of Pump: **Submersible**

Well Tests: **Estimated** **Yield: 100 GPM with 5 ft. drawdown after 1 hours**

Water Quality:

Strata Depth (ft.)	Water Type
0 - 90	**Fresh**

Chemical Analysis Made: **No**

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

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

Company Information: **MARK'S WATER WELL SERVICE, INC**

PO BOX 271
ODESSA, TX 79760

Driller Name: **Brayn A Mehlhoff**

License Number: **59300**

Apprentice Number: **59300**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**40**	**Rock & Caliche**
40	**62**	**Brown Sand**
62	**84**	**Brown & white Sand**
84	**102**	**Wet Brown Dirt & Little Gravel**
102	**122**	**Brown Sand**
122	**130**	**Tan Sand**
130	**140**	**Tan Sand & Red Bed**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
5	**Blank**	**New Plastic (PVC)**		**0**	**120**
5	**Screen**	**New Plastic (PVC)**	**0.2**	**120**	**140**

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

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

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

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

STATE OF TEXAS WELL REPORT for Tracking #682381

Owner:	**Henry Dyck**	Owner Well #:	**2**
Address:	**Gladiator St Odessa , TX 79766**	Grid #:	**45-14-4**
Well Location:	**Gladiator St Odessa, TX 79766**	Latitude:	**31° 47' 52.98" N**
		Longitude:	**102° 21' 42.75" W**
Well County:	**Ector**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **11/1/2024** Drilling End Date: **11/1/2024**

Borehole:

Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
8.34	**0**	**140**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

Filter Pack Intervals:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
0	**140**	**Gravel**	**Pea**

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
0	**10**	**Cement 5 Bags/Sacks**
18	**20**	**Bentonite 2 Bags/Sacks**

Seal Method: **Hand Mixed**

Sealed By: **Driller**

Distance to Property Line (ft.): **20**

Distance to Septic Field or other concentrated contamination (ft.): **50**

Distance to Septic Tank (ft.): **50+**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed** **Surface Completion by Driller**

Water Level: **No Data** on **2024-11-01** Measurement Method: **Sonic/Radar**

Packers: **No Data**

Type of Pump: **Submersible**

Well Tests: **Estimated** **Yield: 100 GPM with 5 ft. drawdown after 1 hours**

Water Quality:

Strata Depth (ft.)	Water Type
0 - 90	**Fresh**

Chemical Analysis Made: **No**

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

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

Company Information: **MARK'S WATER WELL SERVICE, INC**

PO BOX 271
ODESSA, TX 79760

Driller Name: **Bryan A Mehlhoff**

License Number: **59300**

Apprentice Number: **59300**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**42**	**Rock & Caliche**
42	**62**	**Brown Sand Stone**
62	**84**	**Brown Sand & White Sand**
84	**102**	**Wet Brown Sand**
102	**122**	**Brown Sand**
122	**130**	**Tan Sand**
130	**140**	**Tan Sand & Red Bed**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
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