Administrative Package Cover Page

This file contains the following documents:

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0014280001

APPLICATION. MHC TT, L.P., 2 North Riverside Plaza, Suite 800, Chicago, Illinois 60606, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0014280001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 19,000 gallons per day via non-public access subsurface drainfields with a minimum area of 95,000 square feet. The domestic wastewater treatment facility and disposal area are located at 215 Spettle Road, near the city of Lakehills, in Bandera County, Texas 78063. TCEQ received this application on November 19, 2024. The permit application will be available for viewing and copying at Lakehills Area Library, 7200 Farm-to-Market Road 1283, Lakehills, in Bandera 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=-98.965555,29.595833&level=18

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

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

OPPORTUNITY FOR A CONTESTED CASE HEARING. After the deadline for submitting public comments, the Executive Director will consider all timely comments and prepare a response to all relevant and material, or significant public comments. **Unless the application**

is directly referred for a contested case hearing, the response to comments, and the Executive Director's decision on the application, will be mailed to everyone who submitted public comments and to those persons who are on the mailing list for this application. If comments are received, the mailing will also provide instructions for requesting reconsideration of the Executive Director's decision and for requesting a contested case hearing. A contested case hearing is a legal proceeding similar to a civil trial in state district court.

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

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

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

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

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

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

AGENCY CONTACTS AND INFORMATION. All public comments and requests must be submitted either electronically at **https://www14.tceq.texas.gov/epic/eComment/**, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105,

P.O. Box 13087, Austin, Texas 78711-3087. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from MHC TT, L.P. at the address stated above or by calling Mr. Henry Lue, P.E., Director of Environmental Services, at 813-282-5934.

Issuance Date: December 4, 2024

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS
DOMESTIC **WASTEWATER/STORMWATER**
The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.

MHC TT, Inc. (CN600918718) operates Medina Lake Wastewater Treatment Plant (RN101234334), a campground for tents, RV's and cabins. The facility is located at 215 Spettle Rd, in Lakehills, Bandera County, Texas 78063. This application is for the renewal to dispose a daily average flow not to exceed 19,000 gallons per day of treated domestic wastewater via subsurface soil absorption of 2.2 acres of non-public access land. The permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain Biochemical Oxygen Demand (5-day), Total Suspended Solids, and pH. Domestic wastewater is treated by aeration chamber, a clarifier, a chlorine contact chamber, and a digester/sludge holding tank.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 19, 2024

Re: Confirmation of Submission of the Renewal without changes for Private Domestic Wastewater Authorization.

Dear Applicant:

This is an acknowledgement that you have successfully completed Renewal without changes for the Private Domestic Wastewater authorization.

ER Account Number: ER103688
Application Reference Number: 696568
Authorization Number: WQ0014280001
Site Name: Medina Lake WWTP
Regulated Entity: RN101234334 - Thousand Trails Medina Lake WWTP
Customer(s): CN600918718 - Mhc Tt, L.P.

Please be aware that TCEQ staff may contact your designated contact for any additional information.

If you have any questions, you may contact the Applications Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by telephone at (512) 239-4671.

Sincerely,
Applications Review and Processing Team
Water Quality Division

Texas Commission on Environmental Quality

Update Domestic or Industrial Individual Permit

WQ0014280001

Site Information (Regulated Entity)

What is the name of the site to be authorized?	MEDINA LAKE WWTP
Does the site have a physical address?	Yes
Physical Address	
Number and Street	215 SPETTLE RD
City	LAKEHILLS
State	TX
ZIP	78063
County	BANDERA
Latitude (N) (##.######)	29.595833
Longitude (W) (-###.######)	-98.965555
Primary SIC Code	7033
Secondary SIC Code	
Primary NAICS Code	721211
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN101234334
What is the name of the Regulated Entity (RE)?	THOUSAND TRAILS MEDINA LAKE WWTP
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	215 SPETTLE RD
City	LAKEHILLS
State	TX
ZIP	78063
County	BANDERA
Latitude (N) (##.######)	29.595359
Longitude (W) (-###.######)	-98.958081
Facility NAICS Code	
What is the primary business of this entity?	RECREATIONAL PARK

Mhc Tt,-Customer (Applicant) Information (Owner)

How is this applicant associated with this site?	Owner
What is the applicant's Customer Number (CN)?	CN600918718

Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Mhc Tt, L.P.
Texas SOS Filing Number	11269606
Federal Tax ID	
State Franchise Tax ID	17521386718
State Sales Tax ID	
Local Tax ID	
DUNS Number	
Number of Employees	501+
Independently Owned and Operated?	Yes
I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.	Yes
Responsible Authority Contact	
Organization Name	Mhc Tt, L.P.
Prefix	MR
First	Bardya
Middle	
Last	Kahrobaie
Suffix	
Credentials	
Title	Vice President
Responsible Authority Mailing Address	
Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	2 N RIVERSIDE PLZ STE 800
Routing (such as Mail Code, Dept., or Attn:)	Attn Permits and Licenses
City	CHICAGO
State	IL
ZIP	60606
Phone (###-###-####)	6026742223
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Bardya_Kahrobaie@equitylifestyle.com

Billing Contact

Responsible contact for receiving billing statements:

Select the permittee that is responsible for payment of the annual fee.	CN600918718, Mhc Tt, L.P.
Organization Name	MHC TT INC
Prefix	
First	
Middle	
Last	
Suffix	
Credentials	
Title	
Enter new address or copy one from list:	CN600918718, Mhc Tt, L.P.
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	2 N RIVERSIDE PLZ STE 800
Routing (such as Mail Code, Dept., or Attn:)	Attn Permits and Licenses
City	CHICAGO
State	IL
ZIP	60606
Phone (###-###-####)	3122791400
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	permits_licenses@equitylifestyle.com

Application Contact

Person TCEQ should contact for questions about this application:	
Same as another contact?	
Organization Name	RSB Environmental
Prefix	MR
First	Hani
Middle	
Last	Said
Suffix	
Credentials	
Title	ENVIRONMENTAL SCIENTIST
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	6001 SAVOY DR STE 110
Routing (such as Mail Code, Dept., or Attn:)	

City	HOUSTON
State	TX
ZIP	77036
Phone (###-###-####)	8323849475
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Hani.said@alliancetg.com

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	Application Contact
Organization Name	RSB Environmental
Prefix	MR
First	Hani
Middle	
Last	Said
Suffix	
Credentials	
Title	ENVIRONMENTAL SCIENTIST
Enter new address or copy one from list:	

Mailing Address

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	6001 SAVOY DR STE 110
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX
ZIP	77036
Phone (###-###-####)	8323849475
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Hani.said@alliancetg.com

DMR Contact

Person responsible for submitting Discharge Monitoring Report Forms:

Same as another contact?	
Organization Name	MHC TT INC

Prefix	
First	Henry
Middle	
Last	Lue
Suffix	
Credentials	PE
Title	Director Environmental Services
Enter new address or copy one from list:	
Mailing Address:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	4300 W CYPRESS ST STE 400
Routing (such as Mail Code, Dept., or Attn:)	
City	TAMPA
State	FL
ZIP	33607
Phone (###-###-####)	8132825934
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	bobby_lue@equitylifestyle.com

Section 1# Permit Contact

Permit Contact#: 1

Person TCEQ should contact throughout the permit term.

1) Same as another contact?	DMR Contact
2) Organization Name	MHC TT INC
3) Prefix	
4) First	Henry
5) Middle	
6) Last	Lue
7) Suffix	
8) Credentials	PE
9) Title	Director Environmental Services
Mailing Address	
10) Enter new address or copy one from list	
11) Address Type	Domestic
11.1) Mailing Address (include Suite or Bldg. here, if applicable)	4300 W CYPRESS ST STE 400
11.2) Routing (such as Mail Code, Dept., or Attn:)	
11.3) City	TAMPA

11.4) State	FL
11.5) ZIP	33607
12) Phone (###-###-####)	8132825934
13) Extension	
14) Alternate Phone (###-###-####)	
15) Fax (###-###-####)	
16) E-mail	bobby_lue@equitylifestyle.com

Owner Information

Owner of Treatment Facility	
1) Prefix	
2) First and Last Name	
3) Organization Name	Mhc Tt LP
4) Mailing Address	2 N Riverside Plaza, Suite 800
5) City	Chicago
6) State	IL
7) Zip Code	60606
8) Phone (###-###-####)	3122791400
9) Extension	
10) Email	permits_licenses@equitylifestyle.com
11) What is ownership of the treatment facility?	Private
Owner of Land (where treatment facility is or will be)	
12) Prefix	
13) First and Last Name	
14) Organization Name	Mhc Tt LP
15) Mailing Address	2 N Riverside Plaza, Suite 800
16) City	Chicago
17) State	IL
18) Zip Code	60606
19) Phone (###-###-####)	3122791400
20) Extension	
21) Email	permits_licenses@equitylifestyle.com
22) Is the landowner the same person as the facility owner or co-applicant?	Yes

General Information Renewal-Amendment

1) Current authorization expiration date:	03/01/2025
2) Current Facility operational status:	Active
3) Is the facility located on or does the treated effluent cross American	No

Indian Land?	
4) What is the application type that you are seeking?	Renewal without changes
5) Current Authorization type:	Private Domestic Wastewater
5.1) What is the proposed total flow in MGD discharged at the facility?	0.019
5.2) Select the applicable fee	< .05 MGD - Renewal - $315
6) What is the classification for your authorization?	TLAP
6.1) Is the location of the effluent disposal site in the existing permit accurate?	Yes
6.2) City nearest the disposal site:	Lakehills
6.3) County in which the disposal site is located:	BANDERA
6.4) Describe the routing of effluent from the treatment facility to the disposal site:	6 pipeline from the lift station LS3 at the WWTP to the drain field
6.5) Identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained:	Medina Lake in Segment No. 1904 of the San Antonio River Basin
6.6) If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?	Not Applicable
Owner of Effluent TLAP Disposal Site	
6.7) Prefix	
6.8) First and Last Name	
6.9) Organization Name	Mhc Tt LP
6.10) Mailing Address	2 N Riverside Plaza, Suite 800
6.11) City	Chicago
6.12) State	IL
6.13) Zip Code	60606
6.14) Phone (###-###-####)	3122791400
6.15) Extension	
6.16) Email	permits_licenses@equitylifestyle.com
6.17) Is the landowner the same person as the facility owner or co-applicant?	Yes
7) Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?	No

Public Notice Information

Individual Publishing the Notices	
1) Prefix	MR
2) First and Last Name	Hani Said
3) Credential	
4) Title	Environmental Scientist
5) Organization Name	RSB Environmental
6) Mailing Address	6001 SAVOY DR

7) Address Line 2	Ste. 110
8) City	HOUSTON
9) State	TX
10) Zip Code	77036
11) Phone (###-###-####)	8323849475
12) Extension	
13) Fax (###-###-####)	
14) Email	hani.said@alliancetg.com
Contact person to be listed in the Notices	
15) Prefix	MR
16) First and Last Name	Henry Lue
17) Credential	PE
18) Title	Director Environmental Services
19) Organization Name	MHC TT Inc
20) Phone (###-###-####)	8132825934
21) Fax (###-###-####)	
22) Email	bobby_lue@equitylifestyle.com
Bilingual Notice Requirements	
23) Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?	No

Section 1# Public Viewing Information

County#: 1

1) County	BANDERA
2) Public building name	Lakehills Area Library
3) Location within the building	
4) Physical Address of Building	7200 FM1283
5) City	Lakehills
6) Contact Name	
7) Phone (###-###-####)	8305102777
8) Extension	
9) Is the location open to the public?	Yes

Plain Language

1) Plain Language	
[File Properties]	
File Name	LANG_Plain Language Summary.pdf
Hash	CF4665C9BA71CAE92A371BA941474EBB446D5A074348E671758CFF923D48274D

MIME-Type	application/pdf

Domestic Attachments

1) Attach an 8.5"x11", reproduced portion of the most current and original USGS Topographic Quadrangle Map(s) that meets the 1:24,000 scale.

[File Properties]

File Name	MAP_USGS topographic map.pdf
Hash	E7D5039A79385544BBBBB8CCD4B4B7714C293942592D3042EF0522CBF17486B5
MIME-Type	application/pdf

2) I confirm that all required sections of Technical Report 1.0 are complete and will be included in the Technical Attachment.	Yes
2.1) Are you planning to include Worksheet 2.1 (Stream Physical Characteristics) in the Technical Attachment?	No
2.2) I confirm that Worksheet 3.0 (Land Disposal of Effluent) is complete and included in the Technical Attachment.	Yes
2.3) Are you planning to include Worksheet 4.0 (Pollutant Analyses Requirements) in the Technical Attachment?	No
2.4) Are you planning to include Worksheet 5.0 (Toxicity Testing Requirements) in the Technical Attachment?	No
2.5) Are you planning to include Worksheet 7.0 (Class V Injection Well Inventory/Authorization Form) in the Technical Attachment?	No

2.6) Technical Attachment

[File Properties]

File Name	TECH_Technical Report 1.0.pdf
Hash	3A04217A564965E7F2C0CD8D29331ACB9D64673AB09430B0FFFD87957B3C299B
MIME-Type	application/pdf

3) Buffer Zone Map

[File Properties]

File Name	BUFF_ZM_Not Applicable.pdf
Hash	C69662A33EBBD060A8EA3ACF8CDCF1E90E26C5F2304920904154BFA814A9747F
MIME-Type	application/pdf

4) Flow Diagram

[File Properties]

File Name	FLDIA_Attachment B - Process Flow Diagrams .pdf
Hash	313E0CB56468756A5981B9557DA7FFBBAB1358B3CDB56B034700D7E90E3B5BF0
MIME-Type	application/pdf

5) Site Drawing

[File Properties]

File Name SITEDR_Attachment D - Site Drawings.pdf

Hash 118ED7FB13776CA679D73A2100DDD5F6C2D8997BD3A26B0742035D951064082C

MIME-Type application/pdf

6) Design Calculations

[File Properties]

File Name DES_CAL_Not Applicable.pdf

Hash C69662A33EBBD060A8EA3ACF8CDCF1E90E26C5F2304920904154BFA814A9747F

MIME-Type application/pdf

7) Solids Management Plan

8) Water Balance

[File Properties]

File Name WB_Not Applicable.pdf

Hash C69662A33EBBD060A8EA3ACF8CDCF1E90E26C5F2304920904154BFA814A9747F

MIME-Type application/pdf

9) Other Attachments

[File Properties]

File Name OTHER_Attachment F - Groundwater Technical Report.pdf

Hash D1EBAB98EA184F40A856E3785AEA57D524EA062F874847E61DA8D6DD8F6277EE

MIME-Type application/pdf

[File Properties]

File Name OTHER_Attachment G - Soil map reports and analysis.pdf

Hash BB214F5769615394E6A724A38C3213F5042E414DBE2F8BC1B76D60841B5DFE0D

MIME-Type application/pdf

[File Properties]

File Name OTHER_Attachment E - Well map water well data well reports.pdf

Hash 4EBB2EFF1CDEDB035096701B9330DC6B1DB495905B4E09A2E32C924702350C0B

MIME-Type application/pdf

[File Properties]

File Name OTHER_Attachment A - Core Data Form.pdf

Hash 783590CD25DF4DBA3B7B382962A536FF977EC5F1298005DA6D19D8F04D576458

MIME-Type application/pdf

[File Properties]

File Name	OTHER_Attachment B - Process Flow Diagrams .pdf
Hash	313E0CB56468756A5981B9557DA7FFBBAB1358B3CDB56B034700D7E90E3B5BF0
MIME-Type	application/pdf

[File Properties]

File Name	OTHER_Signed Signature Page.pdf
Hash	B51B9B6124152AB55992AACDE5C77DE9F49F5A64532C51271EBD71FFD26F7C16
MIME-Type	application/pdf

[File Properties]

File Name	OTHER_Worksheet 3.0.pdf
Hash	5D51919F5A877D7A994D853AE2B63DE9C194CBC2AD4153D4909AECA67BF3C1FD
MIME-Type	application/pdf

Certification

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

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.

1. I am Damon M Brown, the owner of the STEERS account ER083246.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Update Domestic or Industrial Individual Permit WQ0014280001.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER Signature: Damon M Brown OWNER

Customer Number:	CN600918718
Legal Name:	Mhc Tt, L.P.
Account Number:	ER083246

Signature IP Address:	170.62.18.208
Signature Date:	2024-11-19
Signature Hash:	D8796178CF99F68FE9100081CBAD5D42B9C69165261DD301AB2265BE7A71FC2E
Form Hash Code at time of Signature:	220078297F68BE1AE26741C6F0EFB43B8F48327D43694F6962CF1FEAFE898882

Fee Payment

Transaction by:	The application fee payment transaction was made by ER083246/Damon M Brown
Paid by:	The application fee was paid by DAMON BROWN
Fee Amount:	$300.00
Paid Date:	The application fee was paid on 2024-11-19
Transaction/Voucher number:	The transaction number is 582EA000635067 and the voucher number is 731738

Submission

Reference Number:	The application reference number is 696568
Submitted by:	The application was submitted by ER103688/ Hani Said
Submitted Timestamp:	The application was submitted on 2024-11-19 at 08:24:23 CST
Submitted From:	The application was submitted from IP address 66.64.45.243
Confirmation Number:	The confirmation number is 583833
Steers Version:	The STEERS version is 6.83
Permit Number:	The permit number is WQ0014280001

Additional Information

Application Creator: This account was created by Hani Said

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 600918718		RN 1428001

SECTION II: Customer Information

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

☐ 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:*

MHC TT, LP

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
0011269606	17521386718	75-2138671	

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:								
	2 North Riverside Plaza, Ste 800							
	City	Chicago	State	IL	ZIP	60606	ZIP + 4	

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

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(936) 260-4111		( ) -

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.)*

Medina Lake WWTP

23. Street Address of the Regulated Entity: (No PO Boxes)	215 Spettle Rd,							
	City	Lakehill	**State**	TX	**ZIP**	78063	**ZIP + 4**	
24. County	Bandera							

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

25. Description to Physical Location:					
26. Nearest City			**State**	**Nearest ZIP Code**	
Lakehills			TX	78063	

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

27. Latitude (N) In Decimal:	29.595833		**28. Longitude (W) In Decimal:**	-98.961944	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
7033		721211	

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

Campground - tents, TVs, Cabins

34. Mailing Address:	2 North Riverside Plaza, Ste 800							
	City	Chicago	**State**	IL	**ZIP**	60606	**ZIP + 4**	
35. E-Mail Address:	permits_licenses@equitylifestyle.com / rcouncil@waterworksutilities.com							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(936) 260-4111		( ) -

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:
	WQ0014280001			

SECTION IV: Preparer Information

40. Name:	Hani Said		41. Title:	Environmental Scientist
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
(832) 384-9475		( ) -	hani.said@alliancetg.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:	MHC TT, LP	Job Title:	Vice President	
Name *(In Print)*:	Bardya Kahrobaie		Phone:	(602) 674- 2223
Signature:	Bardya Kahrobaie		Date:	10/28/24

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0011428000l

Applicant: MHC TT Inc.

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):

Signatory title:

Signature: Barclay Klein Date: 10/29/24

(Use blue ink)

Subscribed and Sworn to before me by the said _____

on this 29th day of October, 2024.

My commission expires on the 13th day of August, 2025.

Susan Bogan

Notary Public

SUSAN BOGAN
Notary Public - Arizona
Maricopa County
Commission # 614914
My Comm. Expires Aug 13, 2025

[SEAL]

County, ~~Texas~~ Maricopa

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS
DOMESTIC **WASTEWATER/STORMWATER**
The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.

MHC TT, Inc. (CN600918718) operates Medina Lake Wastewater Treatment Plant (RN101234334), a campground for tents, RV's and cabins. The facility is located at 215 Spettle Rd, in Lakehills, Bandera County, Texas 78063. This application is for the renewal to dispose a daily average flow not to exceed 19,000 gallons per day of treated domestic wastewater via subsurface soil absorption of 2.2 acres of non-public access land. The permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain Biochemical Oxygen Demand (5-day), Total Suspended Solids, and pH. Domestic wastewater is treated by aeration chamber, a clarifier, a chlorine contact chamber, and a digester/sludge holding tank.

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

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

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

1. Introduzca el nombre del solicitante aquí (2. Introduzca el número de cliente aquí (es decir, CN6########).) 3. Elija del menú desplegable 4. Introduzca el nombre de la instalación aquí 5. Introduzca el número de entidad regulada aquí (es decir, RN1########), 6. Elija del menú desplegable 7. Introduzca la descripción de la instalación aquí. La instalación 8. Elija del menú desplegable. ubicada en 9. Introduzca la ubicación aquí, en 10. Introduzca el nombre de la ciudad aquí, Condado de 11. Introduzca el nombre del condado aquí, Texas 12. Introduzca el código postal aquí. 13. Introduzca el resumen de la petición de solicitud aquí. *<<Para las solicitudes de TLAP incluya la siguiente oración, de lo contrario, elimine:>>* Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan 14. Liste todos los contaminantes esperados aquí. 15. Introduzca los tipos de aguas residuales descargadas aquí. 16. Elija del menú desplegable tratado por 17. Introduzca una descripción del tratamiento de aguas residuales utilizado en la instalación aquí.

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

AGUAS RESIDUALES DOMÉSTICAS/AGUAS PLUVIALES

El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo exige el Capítulo 39 del 30 TAC. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no es un documento federal ejecutable. representación de la solicitud de permiso.

MHC TT, Inc. (CN600918718) opera la planta de tratamiento de aguas residuales de Medina Lake (RN101234334), un campamento para tiendas de campaña, vehículos recreativos y cabañas. La instalación está ubicada en 215 Spettle Rd, en Lakehills, Condado de Bandera, Texas 78063. Esta solicitud es para la renovación para eliminar un flujo promedio diario que no exceda los 19,000 galones por día de aguas residuales domésticas tratadas a través de la absorción del suelo subterráneo de 2.2 acres de agua no -terreno de acceso público. El permiso no autorizará una descarga de contaminantes al agua del estado.

Se espera que las descargas de la instalación contengan la demanda bioquímica de oxígeno (5 días), el total de sólidos suspendidos y el pH. Las aguas residuales domésticas son tratadas mediante una cámara de aireación, un clarificador, una cámara de contacto de cloro y un digestor/tanque de retención de lodos.

INSTRUCTIONS

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

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

Example

Individual Industrial Wastewater Application

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

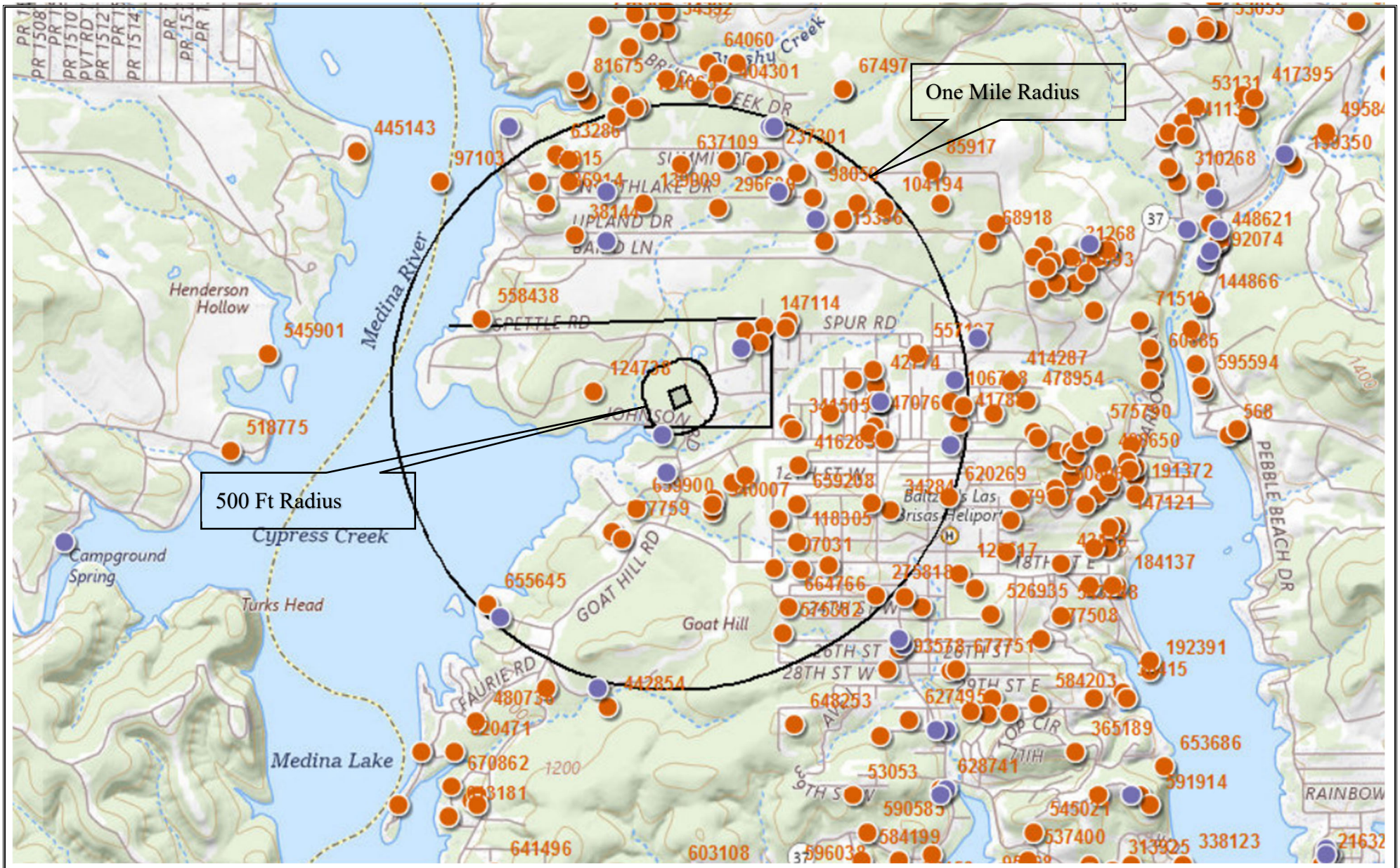
ABC Corporation (CN600000000) operates the Starr Power Station (RN10000000000), a two-unit gas-fired electric generating facility. Unit 1 has a generating capacity of 393 megawatts (MWs) and Unit 2 has a generating capacity of 528 MWs. The facility is located at 1356 Starr Street, near the City of Austin,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

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

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

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

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



Attachment E – Well Map

Drawn by: Hani Said Date: 10/25/2024	Medina Lake Wastewater Treatment Plant

Medina Lake Wastewater Treatment Plant - WQ0014280001

Table 3.0(3) – Water Well Data

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Well Depth	Proposed Best Management Practice
State Well # 6825102	Public Supply	Y	No Data	460	Outside the 500 ft buffer from the closest irrigation zone.
558904	Public Supply	Y	Cased	410	Outside the 500 ft buffer from the closest irrigation zone.
147114	Domestic	Y	Cased	400	Outside the 500 ft buffer from the closest irrigation zone.
629997	Domestic	Y	Cased	400	Outside the 500 ft buffer from the closest irrigation zone.
179671	Domestic	Y	Cased	400	Outside the 500 ft buffer from the closest irrigation zone.
468339	Domestic	Y	Cased	360	Outside the 500 ft buffer from the closest irrigation zone.
463402	Domestic	Y	Cased	440	Outside the 500 ft buffer from the closest irrigation zone.
341505	Domestic	Y	Cased	360	Outside the 500 ft buffer from the closest irrigation zone.
94763	Domestic	Y	Cased	345	Outside the 500 ft buffer from the closest irrigation zone.
416283	Domestic	Y	Cased	385	Outside the 500 ft buffer from the closest irrigation zone.
511709	Domestic	Y	Cased	390	Outside the 500 ft buffer from the closest irrigation zone.
120610	Domestic	Y	Cased	380	Outside the 500 ft buffer from the closest irrigation zone.

Medina Lake Wastewater Treatment Plant - WQ0014280001

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Well Depth	Proposed Best Management Practice
State Well # 6825104	Unused	N	No Data	No Data	Outside the 500 ft buffer from the closest irrigation zone.
State Well # 6825105	Unused	N	No Data	260	Outside the 500 ft buffer from the closest irrigation zone.
124738	Domestic	Y	Cased	400	Outside the 500 ft buffer from the closest irrigation zone.
558438	Domestic	Y	Cased	440	Outside the 500 ft buffer from the closest irrigation zone.

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 68-25-104

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6825104
County	Bandera
River Basin	San Antonio
Groundwater Management Area	9
Regional Water Planning Area	J - Plateau
Groundwater Conservation District	Bandera County RA & GWD
Latitude (decimal degrees)	29.591667
Latitude (degrees minutes seconds)	29° 35' 30" N
Longitude (decimal degrees)	-98.963056
Longitude (degrees minutes seconds)	098° 57' 47" W
Coordinate Source	+/- 1 Second
Aquifer Code	218GLRS - Glen Rose Limestone
Aquifer	Trinity
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	1090
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	
Well Depth Source	
Drilling Start Date	
Drilling End Date	
Drilling Method	Cable Tool
Borehole Completion	Perforated or Slotted

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	None
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Burgin Johnson
Driller	M Heisler
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	3/15/1995
Last Update Date	3/25/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

No Data Available

Water Quality Analysis - No Data Available

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 68-25-105

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6825105
County	Bandera
River Basin	San Antonio
Groundwater Management Area	9
Regional Water Planning Area	J - Plateau
Groundwater Conservation District	Bandera County RA & GWD
Latitude (decimal degrees)	29.593611
Latitude (degrees minutes seconds)	29° 35' 37" N
Longitude (decimal degrees)	-98.963334
Longitude (degrees minutes seconds)	098° 57' 48" W
Coordinate Source	+/- 1 Second
Aquifer Code	218GLRS - Glen Rose Limestone
Aquifer	Trinity
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	1080
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	260
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	
Drilling Method	Air Rotary
Borehole Completion	Perforated or Slotted

Well Type	Withdrawal of Water
Well Use	Unused
Water Level Observation	Miscellaneous Measurements
Water Quality Available	No
Pump	None
Pump Depth (feet below land surface)	
Power Type	
Annular Seal Method	
Surface Completion	
Owner	Burgin Johnson
Driller	Dale Keith
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	3/15/1995
Last Update Date	3/25/1997

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/15/1995		53.59		1026.41	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis - No Data Available

STATE OF TEXAS WELL REPORT for Tracking #94763

Owner:	**Luther Foster**	Owner Well #:	**2708**
Address:	**105 Georgia Avenue Lakehills, TX 78063**	Grid #:	**68-25-2**
Well Location:	**105 Georgia Avenue Lakehills, TX 78063**	Latitude:	**29° 35' 39" N**
		Longitude:	**098° 57' 21" W**
Well County:	**Bandera**	Elevation:	**1094 ft. above sea level**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **9/14/2006** Drilling End Date: **9/15/2006**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8**	**0**	**345**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**295**	**345**	**Gravel**	**3/8"**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**5**	**3 Portland**
	5	**295**	**17 Bentonite**

Seal Method: **Bentonite pumped through Tremie**

Sealed By: **Driller**

Distance to Property Line (ft.): **6**

Distance to Septic Field or other concentrated contamination (ft.): **52**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Owner Measured**

Surface Completion: **Surface Slab Installed**

Water Level: **140 ft.** below land surface on **2006-09-15** Measurement Method: **Unknown**

Packers: **None**

Type of Pump: **Submersible** Pump Depth (ft.): **300**

Well Tests: **Jetted** **Yield: 40+ GPM**

Water Quality:

Strata Depth (ft.)	Water Type
315	**Fresh**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **Yes**

Natural Injurious Constituents	Unnatural Injurious Constituents
	Naturally ocurring gyp layer

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: **Pipe Creek Water Well, Inc.**

P.O. Box 63333
Pipe Creek, TX 78063

Driller Name: **Randy Roberts** License Number: **2450**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**10**	**black soil**
10	**18**	**caliche**
18	**30**	**tan limestone**
30	**220**	**gray shale**
220	**235**	**gyp**
235	**300**	**gray limestone**
300	**315**	**hard spotted gray limestone**
315	**345**	**Glen Rose Reef**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	**new**	**Sch 40 slotted**	**305 to 345**

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 #120610

Owner:	**Janet Newman**	Owner Well #:	**2933**
Address:	**P.O. Box 2805 Canyon Lake, TX 78133**	Grid #:	**68-25-1**
Well Location:	**222 Michael Manor Lakehills, TX 78063**	Latitude:	**29° 35' 28" N**
		Longitude:	**098° 57' 33" W**
Well County:	**Bandera**	Elevation:	**1127 ft. above sea level**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **6/25/2007** Drilling End Date: **6/27/2007**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8**	**0**	**380**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**300**	**380**	**Gravel**	**3/8**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**6**	**2 Portland**
	6	**300**	**18 Bentonite**

Seal Method: **Bentonite pumped thru Tremie**

Sealed By: **Driller**

Distance to Property Line (ft.): **40 E**

Distance to Septic Field or other concentrated contamination (ft.): **none**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Owner**

Surface Completion: **Surface Slab Installed**

Water Level: **120 ft.** below land surface on **2007-06-27** Measurement Method: **Unknown**

Packers: **none**

Type of Pump: **Submersible** Pump Depth (ft.): **300**

Well Tests: **Estimated** **Yield: 100 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
330	**Fresh**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **Yes**

Natural Injurious Constituents	Unnatural Injurious Constituents
	Naturally Occurring Gyp Layer

The driller did certify that while drilling, deepening or otherwise altering the above described well, injurious water or constituents was encountered and the landowner or person having the well drilled was informed that such well must be completed or plugged in such a manner as to avoid injury or pollution.

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: **Pipe Creek Water Well, Inc.**

P.O. Box 63333
Pipe Creek, TX 78063

Driller Name: **J.P. Morgenstern** License Number: **56038**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**30**	**yellow caliche**
30	**100**	**gray shale**
100	**180**	**gray limestone**
180	**210**	**gray and tan limestone**
210	**250**	**gyp**
250	**330**	**gray spotted limestone**
330	**370**	**tan pourous limestone (GlenRose Reef)**
370	**380**	**gray limestone**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	**New**	**Sch 40 & SDR 17**	**0 to 380**
Perf			**320 to 380**

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P.O. Box 12157
Austin, TX 78711
(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #124738

Owner:	**Frank Robert Kukral**	Owner Well #:	**2945**
Address:	**3442 River Path San Antonio, TX 78230**	Grid #:	**68-25-1**
Well Location:	**Lot #36B -- Goat Hill Estates Lakehills, TX 78063**	Latitude:	**29° 35' 45" N**
		Longitude:	**098° 58' 03" W**
Well County:	**Bandera**	Elevation:	**1079 ft. above sea level**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **9/28/2007** Drilling End Date: **10/11/2007**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8**	**0**	**400**

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:	*Top Depth (ft.)*	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
	0	**2**	**1 Cement**
	2	**300**	**15 Grout**

Seal Method: **Pressure Grouting**

Sealed By: **Driller**

Distance to Property Line (ft.): **10'**

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 Slab Installed**

Water Level: **23 ft.** below land surface on **2007-10-11** Measurement Method: **Unknown**

Packers: **2 Rubber Packers 300'**

Type of Pump: **Submersible** Pump Depth (ft.): **360**

Well Tests: **Jetted** **Yield: 50 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?: **Yes**

Natural Injurious Constituents	Unnatural Injurious Constituents
Not Provided	

The driller did certify that while drilling, deepening or otherwise altering the above described well, injurious water or constituents was encountered and the landowner or person having the well drilled was informed that such well must be completed or plugged in such a manner as to avoid injury or pollution.

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: **Armadigger, Inc.**

P. O. Box 1329
Bandera, TX 78003

Driller Name: **Joe Alan Wiebush** License Number: **56053**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

From (ft)	To (ft)	Description
0	**5**	**Calichie**
5	**50**	**Red, Brown & Tan L/S**
50	**100**	**L. Brown & Grey L/S**
100	**160**	**Brown & Grey L/S with some**
		Grey Shale
160	**220**	**L. Brown L/S with Grey Shale**
220	**240**	**Dark Brown L/S & Gyp**
240	**300**	**Dark Brown & Brown L/S**
300	**320**	**Brown & L. Brown L/S**
		(Water at 315)
320	**380**	**L. Brown, Brown & Tan L/S**
		(Water at 325, 350, & 365)
380	**400**	**Tan & Brown L/S**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4 1/2	**N**	**SCH 40 PVC**	**0' to 400'**
		Slotted	**300' to 400'**

(Water at 385)

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STATE OF TEXAS WELL REPORT for Tracking #147114

Owner:	**Richard & Patricia Cater**	Owner Well #:	**3048**
Address:	**10877 PR 37 Lakehills, TX 78063**	Grid #:	**68-25-2**
Well Location:	**320 Texas Avenue Lakehills, TX 78063**	Latitude:	**29° 35' 57" N**
		Longitude:	**098° 57' 26" W**
Well County:	**Bandera**	Elevation:	**1110 ft. above sea level**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **6/17/2008** Drilling End Date: **6/24/2008**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8**	**0**	**400**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**295**	**400**	**Gravel**	**3/8**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**6**	**2 Portland**
	6	**295**	**16 Bentonite**

Seal Method: **Bentonite pumped thru Tremie**

Sealed By: **Driller**

Distance to Property Line (ft.): **6**

Distance to Septic Field or other concentrated contamination (ft.): **60**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Owner**

Surface Completion: **Surface Slab Installed**

Water Level: **120 ft.** below land surface on **2008-06-24** Measurement Method: **Unknown**

Packers: **None**

Type of Pump: **Submersible** Pump Depth (ft.): **300**

Well Tests: **Estimated** **Yield: 100 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	**Fresh**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **Yes**

Natural Injurious Constituents	Unnatural Injurious Constituents
	Naturally occurring gyp layer

The driller did certify that while drilling, deepening or otherwise altering the above described well, injurious water or constituents was encountered and the landowner or person having the well drilled was informed that such well must be completed or plugged in such a manner as to avoid injury or pollution.

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: **Pipe Creek Water Well, Inc.**

P.O. Box 63333
Pipe Creek, TX 78063

Driller Name: **J.P. Morgenstern** License Number: **56038**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**70**	**tan limestone**
70	**120**	**gray shale**
120	**200**	**spotted gray limestone**
200	**250**	**gray limestone**
250	**260**	**gyp**
260	**360**	**spotted gray limestone**
360	**400**	**pourous tan limestone (GlenRose Reef)**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.) New/Used Type Setting From/To (ft.)
4.5 New Sch 40 0 to 400
.040 screen 340 to 400

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STATE OF TEXAS WELL REPORT for Tracking #179671

Owner:	**Cherie Renier**	Owner Well #:	**3157**
Address:	**10877 PK RD 37, PMB 240 Lakehills, TX 78063**	Grid #:	**68-25-2**
Well Location:	**792 Spur Road Lakehills, TX 78063**	Latitude:	**29° 35' 58" N**
		Longitude:	**098° 57' 21" W**
Well County:	**Bandera**	Elevation:	**1140 ft. above sea level**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **4/28/2009** Drilling End Date: **5/1/2009**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8**	**0**	**400**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**295**	**400**	**Gravel**	**3/8**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**8**	**3 Portland**
	8	**295**	**17 Bentonite**

Seal Method: **Bentonite pumped thru Tremie**

Sealed By: **Driller**

Distance to Property Line (ft.): **25**

Distance to Septic Field or other concentrated contamination (ft.): **73**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Owner**

Surface Completion: **Surface Slab Installed**

Water Level: **150 ft.** below land surface on **2009-05-01** Measurement Method: **Unknown**

Packers: **None**

Type of Pump: **Submersible** Pump Depth (ft.): **300**

Well Tests: **Estimated** **Yield: 50+ GPM**

Water Quality:

Strata Depth (ft.)	Water Type
340	**Trinity Glen Rose**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **Yes**

Natural Injurious Constituents	Unnatural Injurious Constituents
	Naturally occurring layer

The driller did certify that while drilling, deepening or otherwise altering the above described well, injurious water or constituents was encountered and the landowner or person having the well drilled was informed that such well must be completed or plugged in such a manner as to avoid injury or pollution.

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: **Pipe Creek Water Well, Inc.**

P.O. Box 63333
Pipe Creek, TX 78063

Driller Name: **J.P. Morgenstern** License Number: **56038**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**30**	**tan caliche**
30	**60**	**tan limestone**
60	**100**	**gray shale**
100	**160**	**gray shale and limestone**
160	**230**	**gray limestone**
230	**245**	**gyp**
245	**340**	**spotted gray limestone**
340	**370**	**tan pourous (reef)**
370	**400**	**gray limestone**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.) New/Used Type Setting From/To (ft.)
4.5 New Sch 40 & SDR 17 0 to 400
340 to 400 .040

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STATE OF TEXAS WELL REPORT for Tracking #341505

Owner:	**Luther Foster**	Owner Well #:	**No Data**
Address:	**1779 8th St. Bandera, TX 78003**	Grid #:	**68-25-2**
Well Location:	**105 Georgia Ave. Lakehills, TX 78063**	Latitude:	**29° 35' 38" N**
		Longitude:	**098° 57' 20" W**
Well County:	**Bandera**	Elevation:	**No Data**

Type of Work: **New Well** Proposed Use: **Domestic**

Drilling Start Date: **5/8/2007** Drilling End Date: **5/17/2007**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8.75**	**0**	**360**

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:			**2 ready mix**
	0	**260**	**16 Benseal**

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **1 Umbrella 280'**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 10 GPM with 0 ft. drawdown after .5 hours**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	**Lower Glenrose**

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: **H & H Drilling**

203 Cnayon Loop
Boerne, TX 78006

Driller Name: **Darrell Hicks** License Number: **5015**

Comments: **^EAD**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

From (ft)	To (ft)	Description
0	**60**	**yellow shale**
60	**230**	**gray limestone**
230	**240**	**H2O**
240	**300**	**dark gray ls**
300	**360**	**tan ls H2O**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4 1/2"	**N**	**PVC**	**0'-360' Sch 40**

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STATE OF TEXAS WELL REPORT for Tracking #416283

Owner:	**William Pfeifer**	Owner Well #:	**1**
Address:	**54 Serene Vista San Antonio, TX 78251**	Grid #:	**68-25-2**
		Latitude:	**29° 35' 31.3" N**
Well Location:	**1029 W. 10th St. Lakehills, TX 78063**	Longitude:	**098° 57' 18.8" W**
Well County:	**Bandera**	Elevation:	**1123 ft. above sea level**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **1/5/2016** Drilling End Date: **1/8/2016**

Borehole:

Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
10	**0**	**9**
8.5	**9**	**385**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

Filter Pack Intervals:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
310	**385**	**Gravel**	**3/8"**

Annular Seal Data: **No Data**

Seal Method: **Pressure**

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 Slab Installed** **Surface Completion NOT by Driller**

Water Level: **84 ft.** below land surface on **2016-01-11** Measurement Method: **Electric Line**

Packers: **No Data**

Type of Pump: **Submersible** Pump Depth (ft.): **320**

Well Tests: **Jetted** **Yield: 150+ 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: **Bee Cave Drilling, Inc.**

185 Angel Fire Dr.
Dripping Springs, TX 78620

Driller Name: **Derek Scott** License Number: **59574**

Comments: **Bandera County Well R 3752**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**1**	**Topsoil**
1	**40**	**Tan Lime and Caliche**
40	**70**	**Yellow Clay**
70	**110**	**Grey Lime**
110	**120**	**Grey Sandstone**
120	**130**	**Grey and Tan Sandstone**
130	**160**	**Grey Sandstone**
160	**200**	**Grey and Tan Sandstone/Clay Stringers**
200	**290**	**Grey and Tan Sandstone**
290	**360**	**Tan Sandstone, WB @ 320' 10GPM**
360	**385**	**Tan Sandstone, WB 150+GPM**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	**Blank**	**New Plastic (PVC)**	**SDR-17**	**-2**	**325**
4.5	**Perforated or Slotted**	**New Plastic (PVC)**	**SDR-17**	**325**	**385**

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STATE OF TEXAS WELL REPORT for Tracking #463402

Owner:	**Salome Guevara Saldana**	Owner Well #:	**No Data**
Address:	**139 Oklahoma St Lake Hills, TX 78063**	Grid #:	**68-25-2**
Well Location:	**139 Oklahoma St Lake Hills, TX 78063**	Latitude:	**29° 35' 40.79" N**
		Longitude:	**098° 57' 12.03" W**
Well County:	**Bandera**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **9/18/2017** Drilling End Date: **9/20/2017**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8**	**0**	**440**

Drilling Method: **Air Rotary**

Borehole Completion: **Screened**

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
0	**2**	**Concrete 5 Bags/Sacks**
2	**300**	**Bentonite 15 Bags/Sacks**

Seal Method: **Tremie**

Sealed By: **Driller**

Distance to Property Line (ft.): **10**

Distance to Septic Field or other concentrated contamination (ft.): **75.4**

Distance to Septic Tank (ft.): **75.4**

Method of Verification: **B.C.R.A.G.D.**

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

Water Level: **104 ft.** below land surface on **2017-09-20**

Packers: **Rubber at 300 ft.**
Rubber at 320 ft.
Rubber at 340 ft.

Type of Pump: **Submersible** Pump Depth (ft.): **400**

Well Tests: **Jetted** **Yield: 40 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
360 - 400	**Trinity**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **Yes**

Top Depth (ft.)	Bottom Depth (ft.)	Natural Injurious Constituents	Unnatural Injurious Constituents
240	**260**	**Gypsum**	

The driller did certify that while drilling, deepening or otherwise altering the above described well, injurious water or constituents was encountered and the landowner or person having the well drilled was informed that such well must be completed or plugged in such a manner as to avoid injury or pollution.

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: **American Water Well Services Inc.**

PO BOX 1329
BANDERA, TX 78003

Driller Name: **Daniel Thaler Sr** License Number: **4404**

Apprentice Name: **Stanley Keith** Apprentice Number: **58000**

Comments: **No Data**

Report Amended on 10/25/2017 by Request #23448

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**30**	**Yellow caliche**
30	**200**	**Gray limestone**
200	**220**	**Gray limestone & shale**
220	**240**	**Lt. gray limestone**
240	**260**	**Gyp**
260	**340**	**Gray, brown,& tan limestone**
340	**360**	**Dk brown limestone**
360	**400**	**Reef (water)**
400	**440**	**Gray & lt gray limestone**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	**Blank**	**New Plastic (PVC)**	**SDR-17**	**0**	**380**
4.5	**Screen**	**New Plastic (PVC)**	**SDR-17 0.035**	**380**	**440**

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STATE OF TEXAS WELL REPORT for Tracking #468339

Owner:	**Jeffrey & Ann Smith**	Owner Well #:	**R-3932**
Address:	**870 Spur Rd Lakehills, TX 78063**	Grid #:	**68-25-2**
Well Location:	**870 Spur Rd Lakehills, TX 78063**	Latitude:	**29° 35' 56.88" N**
		Longitude:	**098° 57' 21.43" W**
Well County:	**Bandera**	Elevation:	**1168 ft. above sea level**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **12/13/2017** Drilling End Date: **12/28/2017**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8**	**0**	**360**

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
0	**2**	**Cement 2 Bags/Sacks**
2	**280**	**Bentonite 17 Bags/Sacks**

Seal Method: **Pressure**

Sealed By: **Driller**

Variance Number: **Yes**

Distance to Property Line (ft.): **28**

Distance to Septic Field or other concentrated contamination (ft.): **101.3**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

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

Water Level: **160 ft.** below land surface on **2017-12-28** Measurement Method: **Electric Line**

Packers: **Rubber at 280 ft.**
Rubber at 300 ft.

Type of Pump: **Submersible** Pump Depth (ft.): **320**

Well Tests: **Estimated** **Yield: 100 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
300 - 360	**Glen Rose**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **Yes**

Top Depth (ft.)	Bottom Depth (ft.)	Natural Injurious Constituents	Unnatural Injurious Constituents
240	**260**	**Gypsum**	

The driller did certify that while drilling, deepening or otherwise altering the above described well, injurious water or constituents was encountered and the landowner or person having the well drilled was informed that such well must be completed or plugged in such a manner as to avoid injury or pollution.

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: **Aquatech Drilling, Inc.**

P.O. Box 3340
Bandera, TX 78003

Driller Name: **Reed Scruby** License Number: **54402**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**60**	**Yellow limestone**
60	**240**	**Grey limestone & shale**
240	**260**	**Grey limestone & gyp**
260	**360**	**Tan & cream limestone**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	**Blank**	**New Plastic (PVC)**	**SDR17**	**0**	**300**
4.5	**Screen**	**New Plastic (PVC)**	**SDR17 0.032**	**300**	**360**

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

STATE OF TEXAS WELL REPORT for Tracking #511709

Owner:	**JOE SEPULVEDA**	Owner Well #:	**R-4083**
Address:	**225 MICHAEL MANOR LAKEHILLS, TX 78063**	Grid #:	**68-25-2**
Well Location:	**225 MICHAEL MANOR LAKEHILLS, TX 78063**	Latitude:	**29° 35' 29.34" N**
		Longitude:	**098° 57' 29.97" W**
Well County:	**Bandera**	Elevation:	**1120 ft. above sea level**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **5/16/2019** Drilling End Date: **5/16/2019**

Borehole:

Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
12	**0**	**5**
9	**5**	**390**

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
0	**2**	**Concrete 2 Bags/Sacks**
2	**290**	**Bentonite 10 Bags/Sacks**

Seal Method: **Tremie**

Sealed By: **Driller**

Distance to Property Line (ft.): **81.5**

Distance to Septic Field or other concentrated contamination (ft.): **340**

Distance to Septic Tank (ft.): **340**

Method of Verification: **MEASURED**

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

Water Level: **69 ft.** below land surface on **2019-05-17**

Packers: **2 RUBBER PACKERS at 290 ft.**
1 RUBBER PACKER at 310 ft.

Type of Pump: **Submersible** Pump Depth (ft.): **300**

Well Tests: **Estimated** **Yield: 40 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
290 - 390	**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: **BUDDY'S SEPTIC & WATER WELL SVC LLC**

PO BOX 2655
BANDERA, TX 78003

Driller Name: **ROGER BYRD** License Number: **60316**

Apprentice Name: **COLBY POWELL** Apprentice Number: **60102**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**70**	**YELLOW LIMESTONE AND CALICHE**
70	**210**	**GREY LIMESTONE AND SHALE**
210	**250**	**GPYSUM AND GREY SHALE**
250	**300**	**GREY SPOTTED LIMESTONE**
300	**330**	**TAN LIMESTONE**
330	**370**	**CREAM AND TAN LIMESTONE REEF**
370	**390**	**BROWN LIMESTONE**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	**Blank**	**New Plastic (PVC)**	**SDR17**	**0**	**310**
4.5	**Perforated or Slotted**	**New Plastic (PVC)**	**SDR17 0.032**	**310**	**390**

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STATE OF TEXAS WELL REPORT for Tracking #558438

Owner:	**RUBY TSCHIRHART**	Owner Well #:	**No Data**
Address:	**1921 BAR D LAKEHILLS , TX 78063**	Grid #:	**68-25-1**
Well Location:	**2019 BAR D LAKEHILLS, TX 78063**	Latitude:	**29° 35' 58.49" N**
Well County:	**Bandera**	Longitude:	**098° 58' 26.96" W**
		Elevation:	**No Data**

Type of Work: **New Well** Proposed Use: **Domestic**

Drilling Start Date: **3/5/2018** Drilling End Date: **4/3/2018**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8.75**	**0**	**440**

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
0	**10**	**Cement 5 Bags/Sacks**
10	**290**	**Bentonite 11 Bags/Sacks**

Seal Method: **Tremie**

Sealed By: **Driller**

Variance Number: **NA**

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

Distance to Septic Field or other concentrated contamination (ft.): **150**

Distance to Septic Tank (ft.): **NA**

Method of Verification: **SIGHT**

Surface Completion: **Surface Sleeve Installed** **Surface Completion by Driller**

Water Level: **No Data**

Packers: **UMBRELLA**
UMBRELLA at 280 ft.

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 10 GPM with 0 ft. drawdown after 2 hours**

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: **H & H Drilling**

203 Canyon Loop
Boerne, TX 78006

Driller Name: **DARRELL HICKS** License Number: **5015**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**25**	**YELLOW LIMESTONE**
25	**40**	**GRAY LIMESTONE & SHALE**
40	**100**	**YELLOW LIMESTONE**
100	**140**	**GRAY SHALE**
140	**300**	**GRAY LIMESTONE**
300	**310**	**H 2 O**
310	**430**	**H2O TAN REEF**
430	**440**	**GRAY LIMESTONE**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	**Blank**	**New Plastic (PVC)**	**40**	**0**	**340**
4.5	**Screen**	**New Plastic (PVC)**	**0.032**	**340**	**440**

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(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #558904

Owner:	**MHC TT, Inc.**	Owner Well #:	**No Data**
Address:	**7310 N 16th St., Ste 300 Phoenix, AZ 85020**	Grid #:	**68-25-1**
Well Location:	**215 Spettle Rd Lakehills, TX 78063**	Latitude:	**29° 35' 56.18" N**
		Longitude:	**098° 57' 30.1" W**
Well County:	**Bandera**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Public Supply**

Drilling Start Date: **6/11/2020** Drilling End Date: **6/24/2020** **Plans Approved by TCEQ - YES**
PWS# 0100043

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**12.75**	**0**	**410**

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**290**	**Cement 135 Bags/Sacks**

Seal Method: **Positive Displacement**

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

Water Level: **100 ft.** below land surface, and **250 GPM** artesian flow on **2020-06-24** Measurement Method: **Weighted Line**

134 ft. below land surface on **2020-10-13** Measurement Method: **Weighted Line**

Packers: **Rubber at 290 ft.**
Rubber at 310 ft.

Type of Pump: **Submersible** Pump Depth (ft.): **380**

Well Tests: **No Test Data Specified**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	**No Data**

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: **BUDDY'S SEPTIC & WATER WELL SVC LLC**

PO BOX 2655
BANDERA, TX 78003

Driller Name: **ROGER BYRD** License Number: **60316**

Comments: **No Data**

Report Amended on 12/18/2020 by Request #33283

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**70**	**yellow ls & caliche**
70	**130**	**grey shale**
130	**250**	**grey ls**
250	**260**	**gypsum**
260	**300**	**grey ls**
300	**350**	**grey & tan ls**
350	**380**	**white porous ls**
380	**400**	**brown & cream ls**
400	**410**	**dark grey ls**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
8	**Blank**	**New Plastic (PVC)**	**SDR 17**	**0**	**330**
8	**Screen**	**New Plastic (PVC)**	**SDR 17**	**330**	**410**

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STATE OF TEXAS WELL REPORT for Tracking #629997

Owner:	**Michael & Maria Pena**	Owner Well #:	**4629**
Address:	**719 Rochambeau San Antonio, TX 78214**	Grid #:	**68-25-2**
		Latitude:	**29° 35' 54" N**
Well Location:	**281 Texas Ave. Lakehills, TX 78063**	Longitude:	**098° 57' 27" W**
Well County:	**Bandera**	Elevation:	**1151 ft. above sea level**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **11/28/2022** Drilling End Date: **11/29/2022**

Borehole:

Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
12.25	**0**	**10**
8	**10**	**390**

Drilling Method: **Air Rotary**

Borehole Completion: **Perforated or Slotted**

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
0	**300**	**Cement 22 Bags/Sacks**

Seal Method: **Tremie**

Sealed By: **Driller**

Distance to Property Line (ft.): **22**

Distance to Septic Field or other concentrated contamination (ft.): **100**

Distance to Septic Tank (ft.): **80**

Method of Verification: **Tape**

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

Water Level: **170 ft.** below land surface on **2022-12-22** Measurement Method: **Weighted Line**

Packers: **Rubber at 300 ft.**
Rubber at 320 ft.

Type of Pump: **Submersible** Pump Depth (ft.): **300**

Well Tests: **Jetted** **Yield: 100+ GPM**

Water Quality:

Strata Depth (ft.)	Water Type
340 - 390	**Glenrose Reef**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **Yes**

Top Depth (ft.)	Bottom Depth (ft.)	Natural Injurious Constituents	Unnatural Injurious Constituents
245	**260**	**Gypsum**	

The driller did certify that while drilling, deepening or otherwise altering the above described well, injurious water or constituents was encountered and the landowner or person having the well drilled was informed that such well must be completed or plugged in such a manner as to avoid injury or pollution.

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: **D K Drilling and Water Systems**

PO Box 3040
Bandera, TX 78003

Driller Name: **Stanley Keith** License Number: **58618**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**65**	**Caliche & Shale**
65	**80**	**Grey Shale**
80	**100**	**Tan L/S**
100	**245**	**Grey & Tan L/S**
245	**260**	**Gyp**
260	**340**	**Grey & Tan L/S**
340	**390**	**Tan & White L/S (Reef 100+GPM)**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	**Blank**	**New Plastic (PVC)**	**SDR-17**	**0**	**320**
4.5	**Perforated or Slotted**	**New Plastic (PVC)**	**SDR-17**	**320**	**380**

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Austin, TX 78711
(512) 334-5540

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 68-25-102

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	6825102
County	Bandera
River Basin	San Antonio
Groundwater Management Area	9
Regional Water Planning Area	J - Plateau
Groundwater Conservation District	Bandera County RA & GWD
Latitude (decimal degrees)	29.598056
Latitude (degrees minutes seconds)	29° 35' 53" N
Longitude (decimal degrees)	-98.958612
Longitude (degrees minutes seconds)	098° 57' 31" W
Coordinate Source	+/- 1 Second
Aquifer Code	218GLRS - Glen Rose Limestone
Aquifer	Trinity
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	1130
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	460
Well Depth Source	Owner
Drilling Start Date	
Drilling End Date	
Drilling Method	
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Thousand Trails, Incorporated
Driller	
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	G0100043A
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	U.S. Geological Survey
Created Date	3/7/1995
Last Update Date	8/6/2008

Remarks	

Casing - No Data

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	3/7/1995		111.95		1018.05	1	U.S. Geological Survey	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 8/2/1995 **Sample Time:** **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Glen Rose Limestone

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From USGS for NAWQA with "Clean Sample" technique

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	2	ug/L	

Water Quality Analysis

Sample Date: 8/2/1995 **Sample Time:** 1235 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Glen Rose Limestone

Analyzed Lab: Texas Department of Health **Reliability:** Sampled using TWDB protocols

Collection Remarks: Medina Lake Project

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		283	mg/L as CACO3	
01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	2	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		22	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	ug/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		345.36	mg/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		0.15	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	0.5	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		136	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		27	mg/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	<	8	ug/L	
01035	COBALT, DISSOLVED (UG/L AS CO)	<	8	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)	<	6	ug/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.99	mg/L	
82082	H-2 / H-1 STABLE ISOTOPE RATIO (DEUTERIUM/PROTIUM)		-23.8	0/00	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		626	mg/L as CACO3	
01046	IRON, DISSOLVED (UG/L AS FE)		27	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	5	ug/L	
01130	LITHIUM, DISSOLVED (UG/L AS LI)		20	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		68.4	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)		2	ug/L	
71890	MERCURY, DISSOLVED (UG/L AS HG)	<	0.13	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	<	40	ug/L	
01065	NICKEL, DISSOLVED (UG/L AS NI)	<	20	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)	<	0.04	mg/L as NO3	
00630	NITRITE PLUS NITRATE, TOTAL (MG/L AS N)	<	0.01	mg/L as N	
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		0.04	mg/L as N	
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)		0.1	mg/L as N	
50790	OXYGEN-18, EXPRESSED AS PERMIL VSMOW		-4.22	0/00	

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00400	PH (STANDARD UNITS), FIELD		6.9	SU	
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		0.01	mg/L as P	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		4.85	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
00955	SILICA, DISSOLVED (MG/L AS SI02)		16	mg/L as SIO2	
01075	SILVER, DISSOLVED (UG/L AS AG)	<	6	ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		0.35		
00932	SODIUM, CALCULATED, PERCENT		6	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		19.9	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		1156	MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		4840	ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		346	mg/L as SO4	
00010	TEMPERATURE, WATER (CELSIUS)		23	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		793	mg/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)	<	8	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)		13	ug/L	

Water Quality Analysis

Sample Date: 1/22/1996 **Sample Time:** **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Glen Rose Limestone

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From USGS for NAWQA with "Clean Sample" technique

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	1	ug/L	

Water Quality Analysis

Sample Date: 1/22/1996 **Sample Time:** 1220 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Glen Rose Limestone

Analyzed Lab: LCRA - Lower Colorado River Authority **Reliability:** Sampled using TWDB protocols

Collection Remarks: Medina Lake Project

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		271	mg/L as CACO3	
01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	1	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		25.2	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	ug/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		330.71	mg/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		0.14	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	1	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		134.78	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		25.3	mg/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)		15.4	ug/L	
01035	COBALT, DISSOLVED (UG/L AS CO)	<	1	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)	<	1	ug/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.75	mg/L	
82082	H-2 / H-1 STABLE ISOTOPE RATIO (DEUTERIUM/PROTIUM)		-25.2	0/00	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		639	mg/L as CACO3	
01046	IRON, DISSOLVED (UG/L AS FE)		39	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	1	ug/L	
01130	LITHIUM, DISSOLVED (UG/L AS LI)		15.8	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		72.28	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)	<	1	ug/L	
71890	MERCURY, DISSOLVED (UG/L AS HG)	<	0.2	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)		6.6	ug/L	
01065	NICKEL, DISSOLVED (UG/L AS NI)		20.8	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)	<	0.9	mg/L as NO3	
00630	NITRITE PLUS NITRATE, TOTAL (MG/L AS N)	<	0.2	mg/L as N	
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		0.933	mg/L as N	
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)		0.018	mg/L as N	
50790	OXYGEN-18, EXPRESSED AS PERMIL VSMOW		-4.11	0/00	

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00400	PH (STANDARD UNITS), FIELD		6.9	SU	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		4.98	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
00955	SILICA, DISSOLVED (MG/L AS SI02)		14.2	mg/L as SIO2	
01075	SILVER, DISSOLVED (UG/L AS AG)	<	1	ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		0.34		
00932	SODIUM, CALCULATED, PERCENT		6	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		19.66	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		1160	MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		5143	ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		336.8	mg/L as SO4	
00010	TEMPERATURE, WATER (CELSIUS)		23	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		777	mg/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)		4.1	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)		11.4	ug/L	

Water Quality Analysis

Sample Date: 7/24/1996 **Sample Time:** **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Glen Rose Limestone

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From USGS for NAWQA with "Clean Sample" technique

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	1	ug/L	

Water Quality Analysis

Sample Date: 7/24/1996 **Sample Time:** 1135 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Glen Rose Limestone

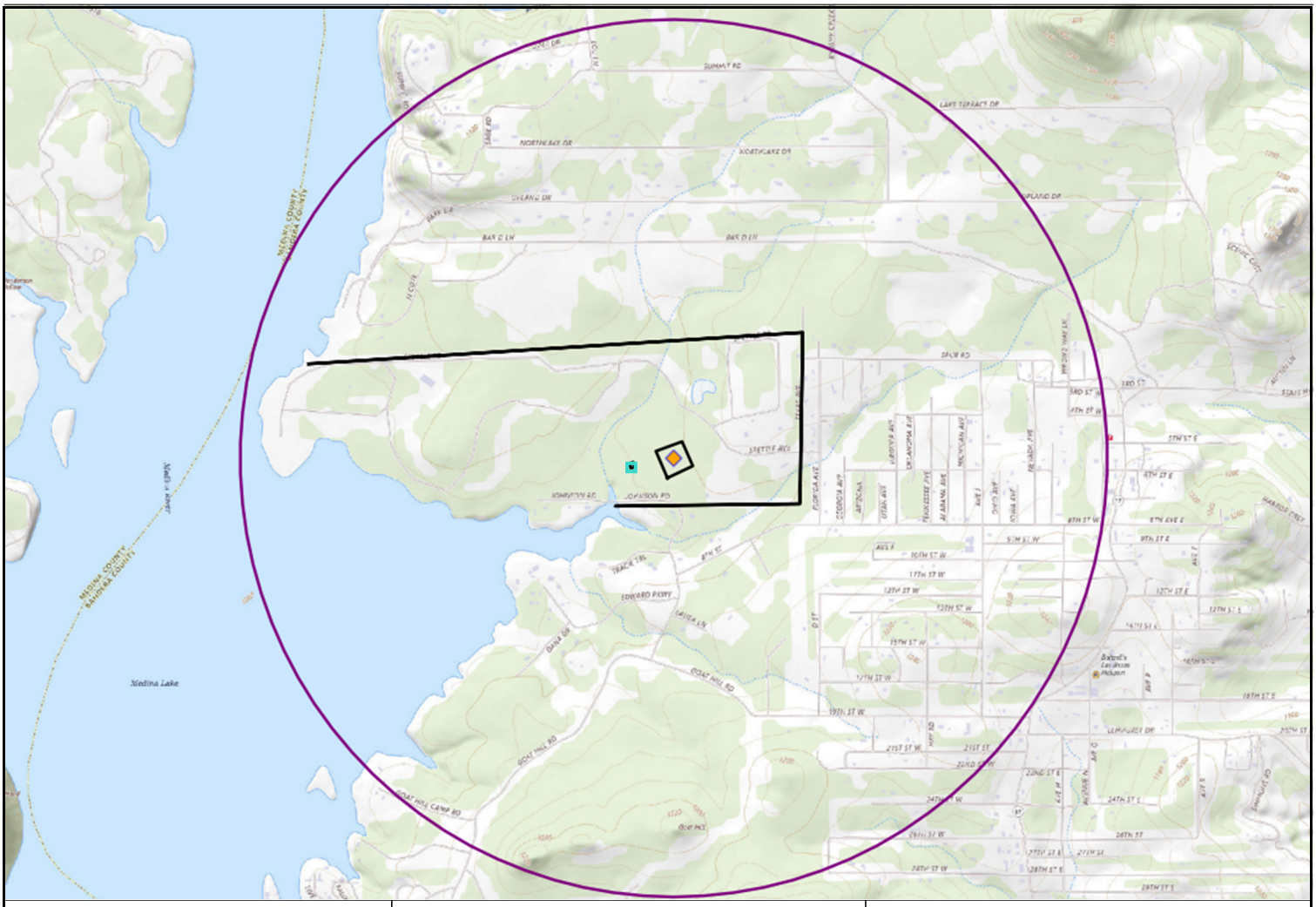
Analyzed Lab: LCRA - Lower Colorado River Authority **Reliability:** Sampled using TWDB protocols

Collection Remarks: Medina Lake Project

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		270.8	mg/L as CACO3	
01106	ALUMINUM, DISSOLVED (UG/L AS AL)		3.2	ug/L	
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	<	1	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	1	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		24.1	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	ug/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		330.47	mg/L	
01020	BORON, DISSOLVED (UG/L AS B)		187.1	ug/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		0.14	mg/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		154.2	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		22.3	mg/L	
01035	COBALT, DISSOLVED (UG/L AS CO)	<	1	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)	<	1	ug/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.23	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		703	mg/L as CACO3	
01046	IRON, DISSOLVED (UG/L AS FE)		35	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	1	ug/L	
01130	LITHIUM, DISSOLVED (UG/L AS LI)		18.6	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		76.03	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)	<	1	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)		6.9	ug/L	
01065	NICKEL, DISSOLVED (UG/L AS NI)		5.9	ug/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)	<	0.04	mg/L as NO3	
00630	NITRITE PLUS NITRATE, TOTAL (MG/L AS N)	<	0.01	mg/L as N	
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	<	0.01	mg/L as N	
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	<	0.01	mg/L as N	
00400	PH (STANDARD UNITS), FIELD		7	SU	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		5.49	mg/L	

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
01145	SELENIUM, DISSOLVED (UG/L AS SE)	<	5	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		14.56	mg/L as SIO2	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		0.34		
00932	SODIUM, CALCULATED, PERCENT		6	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		20.85	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		1167	MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		5430	ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		351.9	mg/L as SO4	
00010	TEMPERATURE, WATER (CELSIUS)		24	C	
01057	THALLIUM, DISSOLVED (UG/L AS TL)	<	1	ug/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		814	mg/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)		2	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)		7.1	ug/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*



Legends

- Irrigation Field
- Treatment Plant Boundary
- Property Boundary
- One Mile Radius

Source: USGS Topographic Quadrangles
7.5 Minute
Series: Medina Lake, TX

1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES

1 Bandera
2 Pipe Creek
3 Jack Mountain
4 Timber Creek
5 San Geronimo
6 Quihi
7 Riomedina
8 La Coste NE

QUADRANGLE LOCATION

USGS MAP

N

0 1,000 2,000 FEET

1" = 2000 FEET
1:24,000

RSB ENVIRONMENTAL
AN ALLIANCE TECHNICAL GROUP COMPANY

RSB Environmental
6001 Savoy Dr, Ste 110
Houston, TX

MHC TT. Inc

MEDINA LAKE WASTEWATER TREATMENT PLANT

WASTEWATER PERMIT RENEWAL FOR TLAP PERMIT NO. WQ0014280001

Drawn By:	Hani Said
Approved By:	Tanvi Desai
Project No.:	AEC-2410020
Date:	October 25th, 2024

Attachment C: USGS Map

Soil Map—Bandera County, Texas
(Medina Lake WWTP)

Map Scale: 1:993 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 10 20 40 60

Feet
0 45 90 180 270

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 14N 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 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bandera County, Texas
Survey Area Data: Version 22, 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: Mar 18, 2021—Mar 26, 2021

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
BKX	Kerrville gravelly clay loam, 1 to 8 percent slopes	0.4	14.7%
KRX	Krum-Pratley association, gently undulating	2.2	85.3%
Totals for Area of Interest		**2.5**	**100.0%**

Bandera County, Texas

BKX—Kerrville gravelly clay loam, 1 to 8 percent slopes

Map Unit Setting

National map unit symbol: 2s0sv
Elevation: 920 to 1,920 feet
Mean annual precipitation: 30 to 34 inches
Mean annual air temperature: 64 to 68 degrees F
Frost-free period: 220 to 240 days
Farmland classification: Not prime farmland

Map Unit Composition

Kerrville and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kerrville

Setting

Landform: Ridges
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex
Parent material: Residuum weathered from limestone

Typical profile

A - 0 to 8 inches: gravelly clay loam
Bk1 - 8 to 15 inches: clay loam
Bk2 - 15 to 24 inches: extremely gravelly clay loam
R - 24 to 60 inches: bedrock

Properties and qualities

Slope: 1 to 8 percent
Surface area covered with cobbles, stones or boulders: 0.1 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.06 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: 90 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Very low (about 2.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Ecological site: R081CY355TX - Adobe 29-35 PZ
Hydric soil rating: No

Minor Components

Doss

Percent of map unit: 10 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: R081BY343TX - Shallow 23-31 PZ
Hydric soil rating: No

Rock outcrop

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex
Hydric soil rating: No

Tarrant

Percent of map unit: 3 percent
Landform: Ridges
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex
Ecological site: R081CY360TX - Low Stony Hill 29-35 PZ
Hydric soil rating: No

Denton

Percent of map unit: 2 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R081CY357TX - Clay Loam 29-35 PZ
Hydric soil rating: No

Data Source Information

Soil Survey Area: Bandera County, Texas
Survey Area Data: Version 22, Aug 30, 2024

Bandera County, Texas

KRX—Krum-Pratley association, gently undulating

Map Unit Setting

National map unit symbol: d5bq
Elevation: 600 to 2,000 feet
Mean annual precipitation: 26 to 36 inches
Mean annual air temperature: 63 to 70 degrees F
Frost-free period: 220 to 250 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Krum and similar soils: 50 percent
Pratley and similar soils: 30 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Krum

Setting

Landform: Stream terraces
Landform position (three-dimensional): Riser, tread
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Alluvium derived from limestone

Typical profile

H1 - 0 to 7 inches: silty clay
H2 - 7 to 28 inches: silty clay
H3 - 28 to 60 inches: silty clay

Properties and qualities

Slope: 1 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 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)
Sodium adsorption ratio, maximum: 3.0
Available water supply, 0 to 60 inches: Moderate (about 8.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C
Ecological site: R081CY357TX - Clay Loam 29-35 PZ
Hydric soil rating: No

Description of Pratley

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 8 inches: silty clay
H2 - 8 to 30 inches: clay
H3 - 30 to 38 inches: extremely cobbly clay
H4 - 38 to 42 inches: cemented material
H5 - 42 to 60 inches: bedrock

Properties and qualities

Slope: 1 to 5 percent
Depth to restrictive feature: 22 to 40 inches to petrocalcic; 23 to 57 inches to paralithic bedrock
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 25 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Moderate (about 6.2 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C
Ecological site: R081CY357TX - Clay Loam 29-35 PZ
Hydric soil rating: No

Minor Components

Unnamed

Percent of map unit: 20 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Bandera County, Texas
Survey Area Data: Version 22, Aug 30, 2024

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Waterworks Utility Inc.
Waterworks Utility Inc
165 County Rd 3892 W
Cleveland, TX 77328

LABORATORY ANALYTICAL REPORT

Project: Waterworks Medina Soil

Sample Site:	0-6	Sample Number:		Collector:	DB
Sample Type:	Grab	**C2B0851-01**		Sampled:	01/31/2024 11:45
Sample Matrix:	Waste			Received:	02/01/2024 16:00
Client Matrix:	Waste				

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Conductivity 2:1 Extract	79.1	10	µmhos/cm @25C	A	B2B0369	02/03/2024 13:20	OCR	EPA SW 846-9050A	
NH4-N mg/kg	0.375	0.0125	mg/Kg dry	N	B2B3864	02/25/2024 16:00	TDS	EPA 350.2 KCl extract	
Nitrate as N	210	0.6	mg/Kg dry	N	B2B0311	02/02/2024 14:48	ECM	SM 4500 NO3F KCl extract	
Percent Solid	79.9	0.1	%	A	B2B0367	02/02/2024 14:51	OCR	SM 2540G	
pH Soil	5.8		std unit	A	B2B0371	02/03/2024 10:47	OCR	EPA SW 846-9045	
Phosphorus, Extract - mg/Kg	0.241	0.125	mg/Kg dry	A	B2B1976	02/15/2024 10:12	LAN	EPA SW 846-6010, 3050	
Potassium, Extract mg/Kg	6.16	0.626	mg/Kg dry	A	B2B1974	02/14/2024 14:49	LAN	EPA SW 846-6010, 3050	
TKN, soil	329	12.5	mg/Kg dry	N	B2B0313	02/03/2024 11:20	ECM	EPA 351.2	
Total Nitrogen	539		mg/Kg		B2C0919	03/04/2024 15:00	TMG	-	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. *Alkalinity titrated to pH 4.5 endpoint.*

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

EASTEX
ENVIRONMENTAL LABS INC.

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

NELAP ACCREDITED TNI LABORATORY

Waterworks Utility Inc.
Waterworks Utility Inc
165 County Rd 3892 W
Cleveland, TX 77328

Sample Site: 6-18
Sample Type: Grab
Sample Matrix: Waste
Client Matrix: Waste

Sample Number: **C2B0851-02**

Collector: DB
Sampled: 01/31/2024 11:45
Received: 02/01/2024 16:00

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Conductivity 2:1 Extract	81.9	10	µmhos/cm @25C	A	B2B0369	02/03/2024 13:20	OCR	EPA SW 846-9050A	
NH4-N mg/kg	1.27	0.0136	mg/Kg dry	N	B2B3864	02/25/2024 16:00	TDS	EPA 350.2 KCl extract	
Nitrate as N	779	0.7	mg/Kg dry	N	B2B0311	02/02/2024 14:48	ECM	SM 4500 NO3F KCl extract	
Percent Solid	73.8	0.1	%	A	B2B0367	02/02/2024 14:51	OCR	SM 2540G	
pH Soil	6.2		std unit	A	B2B0371	02/03/2024 10:47	OCR	EPA SW 846-9045	
Phosphorus, Extract - mg/Kg	0.539	0.136	mg/Kg dry	A	B2B1976	02/15/2024 10:16	LAN	EPA SW 846-6010, 3050	
Potassium, Extract mg/Kg	11.7	0.678	mg/Kg dry	A	B2B1974	02/14/2024 14:53	LAN	EPA SW 846-6010, 3050	
TKN, soil	211	13.6	mg/Kg dry	N	B2B0313	02/03/2024 11:22	ECM	EPA 351.2	
Total Nitrogen	990		mg/Kg		B2C0919	03/04/2024 15:00	TMG	-	

Sample Site: 18-30
Sample Type: Grab
Sample Matrix: Waste
Client Matrix: Waste

Sample Number: **C2B0851-03**

Collector: DB
Sampled: 01/31/2024 11:45
Received: 02/01/2024 16:00

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Conductivity 2:1 Extract	79	10	µmhos/cm @25C	A	B2B0369	02/03/2024 13:20	OCR	EPA SW 846-9050A	
NH4-N mg/kg	1.38	0.0121	mg/Kg dry	N	B2B3864	02/25/2024 16:00	TDS	EPA 350.2 KCl extract	
Nitrate as N	739	0.6	mg/Kg dry	N	B2B0311	02/02/2024 14:48	ECM	SM 4500 NO3F KCl extract	
Percent Solid	82.9	0.1	%	A	B2B0367	02/02/2024 14:51	OCR	SM 2540G	
pH Soil	6.2		std unit	A	B2B0371	02/03/2024 10:47	OCR	EPA SW 846-9045	
Phosphorus, Extract - mg/Kg	0.251	0.121	mg/Kg dry	A	B2B1976	02/15/2024 10:19	LAN	EPA SW 846-6010, 3050	
Potassium, Extract mg/Kg	8.75	0.603	mg/Kg dry	A	B2B1974	02/14/2024 14:56	LAN	EPA SW 846-6010, 3050	
TKN, soil	263	12.1	mg/Kg dry	N	B2B0313	02/03/2024 11:24	ECM	EPA 351.2	
Total Nitrogen	1002		mg/Kg		B2C0919	03/04/2024 15:00	TMG	-	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. *Alkalinity titrated to pH 4.5 endpoint.*

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved

P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249

Waterworks Utility Inc.
Waterworks Utility Inc
165 County Rd 3892 W
Cleveland, TX 77328

SM 4500 NO3F KCl extract - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2B0311 - No Prep										
Blank (B2B0311-BLK1)				Prepared & Analyzed: 02/02/24						
Nitrate as N	ND	0.5	mg/Kg wet							
LCS (B2B0311-BS1)				Prepared & Analyzed: 02/02/24						
Nitrate as N	1.05		mg/L	1.00		105	80-120			
Matrix Spike (B2B0311-MS1)	**Source: C2B0851-01**			Prepared & Analyzed: 02/02/24						
Nitrate as N	963	0.6	mg/Kg dry	626	210	120	80-120			
Matrix Spike Dup (B2B0311-MSD1)	**Source: C2B0851-01**			Prepared & Analyzed: 02/02/24						
Nitrate as N	991	0.6	mg/Kg dry	626	210	125	80-120	2.84	20	
Batch B2B0313 - SM 4500 Norg C										
Blank (B2B0313-BLK1)				Prepared & Analyzed: 02/03/24						
TKN, soil	ND	10.0	mg/Kg wet							
LCS (B2B0313-BS1)				Prepared & Analyzed: 02/03/24						
TKN, soil	10.66		mg/L	10.0		107	80-120			
Matrix Spike (B2B0313-MS1)	**Source: C2A6634-01**			Prepared & Analyzed: 02/03/24						
TKN, soil	1430.3	10.1	mg/Kg dry	503	958.2605	93.8	80-120			
Matrix Spike Dup (B2B0313-MSD1)	**Source: C2A6634-01**			Prepared & Analyzed: 02/03/24						
TKN, soil	1417.694	10.1	mg/Kg dry	503	958.2605	91.3	80-120	0.885	20	
Batch B2B0367 - No Prep										
Blank (B2B0367-BLK1)				Prepared & Analyzed: 02/02/24						
Percent Solid	ND	0.1	%							
Duplicate (B2B0367-DUP1)	**Source: C2B0851-01**			Prepared & Analyzed: 02/02/24						
Percent Solid	83.5	0.1	%		79.9			4.41	20	

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NELAP ACCREDITED TNI LABORATORY

Waterworks Utility Inc.
Waterworks Utility Inc
165 County Rd 3892 W
Cleveland, TX 77328

EPA SW 846-9050A - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2B0369 - No Prep										
Blank (B2B0369-BLK1)				Prepared & Analyzed: 02/03/24						
Conductivity 2:1 Extract	ND	10	µmhos/cm @25C							
LCS (B2B0369-BS1)				Prepared & Analyzed: 02/03/24						
Conductivity 2:1 Extract	990		µmhos/cm @25C	1000		99.0	80-120			
Duplicate (B2B0369-DUP1)	**Source: C2B0851-01**			Prepared & Analyzed: 02/03/24						
Conductivity 2:1 Extract	78.8	10	µmhos/cm @25C		79.1			0.380	20	
Batch B2B0371 - No Prep										
LCS (B2B0371-BS1)				Prepared & Analyzed: 02/03/24						
pH Soil	6.84		std unit	6.86		99.7	80-120			
Duplicate (B2B0371-DUP1)	**Source: C2B0851-01**			Prepared & Analyzed: 02/03/24						
pH Soil	5.68		std unit		5.76			1.40	20	
Batch B2B1974 - Mehlich Extraction										
Blank (B2B1974-BLK1)				Prepared & Analyzed: 02/14/24						
Potassium, Extract mg/Kg	ND	0.500	mg/Kg wet							
LCS (B2B1974-BS1)				Prepared & Analyzed: 02/14/24						
Potassium, Extract mg/Kg	25.0		mg/L	25.0		100	80-120			
LCS Dup (B2B1974-BSD1)				Prepared & Analyzed: 02/14/24						
Potassium, Extract mg/Kg	25.2		mg/L	25.0		101	80-120	0.797	20	

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NELAP ACCREDITED TNI LABORATORY

Waterworks Utility Inc.
Waterworks Utility Inc
165 County Rd 3892 W
Cleveland, TX 77328

EPA SW 846-6010, 3050 - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2B1976 - Mehlich Extraction										
Blank (B2B1976-BLK1)				Prepared & Analyzed: 02/15/24						
Phosphorus, Extract - mg/Kg	ND	0.100	mg/Kg wet							
LCS (B2B1976-BS1)				Prepared & Analyzed: 02/15/24						
Phosphorus, Extract - mg/Kg	22.9689	0.100	mg/Kg wet	25.2		91.1	80-120			
LCS Dup (B2B1976-BSD1)				Prepared & Analyzed: 02/15/24						
Phosphorus, Extract - mg/Kg	22.7547	0.100	mg/Kg wet	25.2		90.3	80-120	0.937	20	
Batch B2B3864 - No Prep										
Blank (B2B3864-BLK1)				Prepared & Analyzed: 02/25/24						
NH4-N mg/kg	ND	0.0100	mg/Kg wet							
LCS (B2B3864-BS1)				Prepared & Analyzed: 02/25/24						
NH4-N mg/kg	1.959		mg/L	2.00		98.0	80-120			
Matrix Spike (B2B3864-MS1)	**Source: C2A4100-01**			Prepared & Analyzed: 02/25/24						
NH4-N mg/kg	28.37104	0.0113	mg/Kg dry	28.3	0.6221719	98.1	80-120			
Matrix Spike Dup (B2B3864-MSD1)	**Source: C2A4100-01**			Prepared & Analyzed: 02/25/24						
NH4-N mg/kg	28.16742	0.0113	mg/Kg dry	28.3	0.6221719	97.4	80-120	0.720	20	

Mark Bourgeois, Special Projects Manager

Qualifiers

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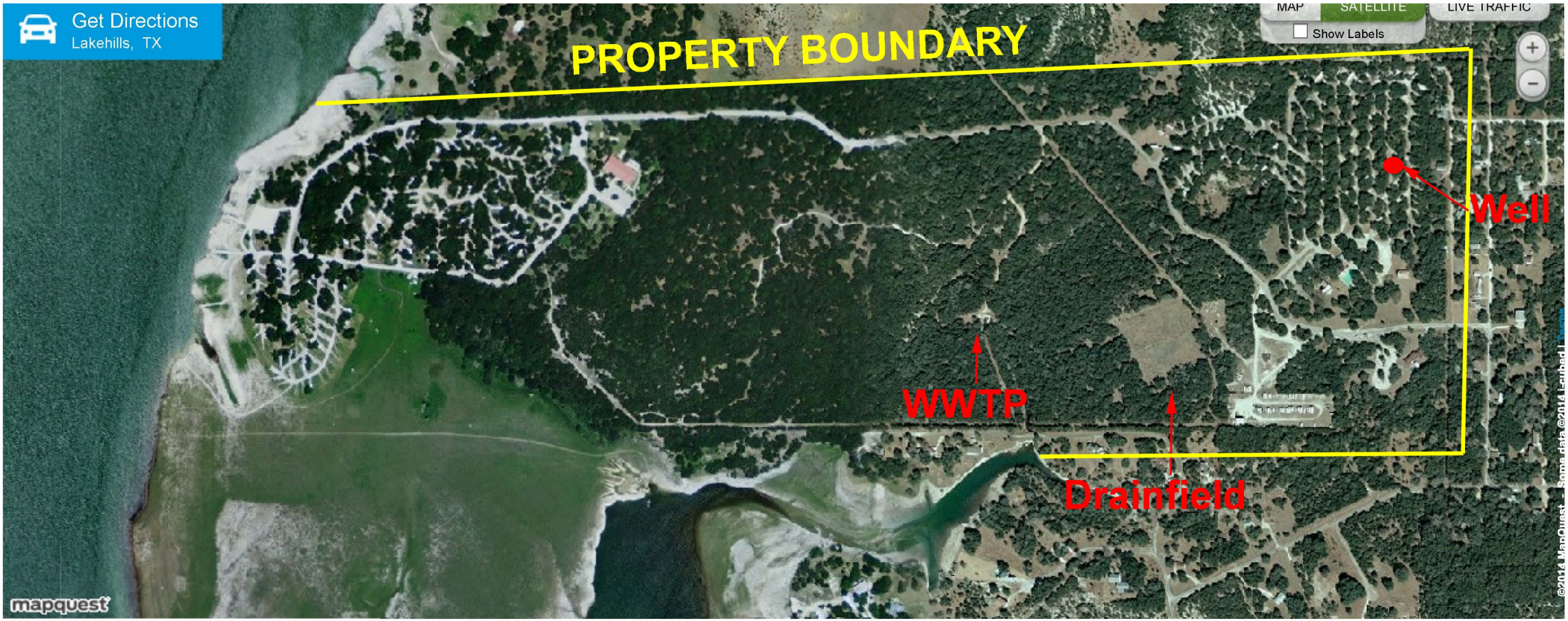

Get Directions
Lakehills, TX
MAP
SATELLITE
LIVE TRAFFIC
Show Labels
PROPERTY BOUNDARY
Well
WWTP
Drainfield
mapquest

Medina Lake RV Resort

215 Spettle Road · Lakehills, TX 78063 · Bandera County

(830) 751-2406

www. 1000trails.com

www.RVontheGo.com

Thousand Trails LP

encore

Tent Area

Boat Docks

Fishing Pier

SECTION "B"

SECTION "C"
Sites 34-55
Pull-Thru

SECTION "F"
Facilities for
Full Utility Hookup

Activity Center

Athletic Court

Top of the Trails Restaurant

Miniature Golf

Service Road - No Vehicles

N

AGS

MAP NOT TO SCALE

EVP

SECTION "L"

Water Tank

Well

Hidden Trail

SECTION "R"
Facilities for Full Utility Hookup

SECTION "A"

Bathhouse

Swimming Pool & Hot Tub

Laundry

Exercise Room

Basketball Court

WWTP

Drainfield

RV Storage Maintenance

Ranger Station

ENTRANCE

To PR 37 → EXIT

Resort Operations

260 Acres
387 Campsites
8 TT Cabins
9 Getaway Cabins

LEGEND

- Restrooms
- Showers
- Laundry
- Phone
- Boat Ramp
- Handicap
- Dump Station
- LP Propane
- Fish Cleaning Station
- Parking
- Dumpster
- 50 Amp Sites (Full Hookups)
- Cabins
- Getaway
- F&R Water, Electric & Sewer (Full Hookups)
- A,B&C Water & Electric

Sites with "S" on Electrical Box have sewer hookup

Annual Sites Available, check with Ranger or Management.

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 43)

A. Existing/Interim I Phase

Design Flow (MGD): 0.019

2-Hr Peak Flow (MGD): 0.05

Estimated construction start date: Existing

Estimated waste disposal start date: Existing

B. Interim II 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.

C. Final Phase

Design Flow (MGD): 0.019

2-Hr Peak Flow (MGD): 0.05

Estimated construction start date: Existing

Estimated waste disposal start date: Existing

D. Current Operating Phase

Provide the startup date of the facility: 1986

Section 2. Treatment Process (Instructions Page 43)

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 activated sludge extended aeration WWTP is fed by two (2) lift stations, connected in series. Components of this steel treatment plant include: bar screen, aeration tank with air header and diffusers, clarifier, chlorine contact chamber, 22.5° V notch weir with transducer and flow chart recorder, and digester. Gas chlorinated water is pumped into the chlorine contact chamber for disinfection. Treated effluent gravity feeds to a lift station, which pumps to a large subsurface disposal (leachfield) system.

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)
A**eration Chamber**	1	2**3' - 11" (L) x 11' – 11" (W) x 11' (D)**
Clarifier	1	6' (L) x 11' – 11" (W) x 11' (D)
Chlorine Contact Chamber	1	2' (L) x 11' - 11" (W) x 6' – 8" (D)
Digester / Sludge Holding Tank	1	10' (L) x 6' (W) x 11' (D)

C. Process Flow Diagram

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

Attachment: B

Section 3. Site Information and Drawing (Instructions Page 44)

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

- Latitude: Click to enter text.
- Longitude: Click to enter text.

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

- Latitude: 29.595833
- Longitude: -98.961944

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: C

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

Click to enter text.

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
Medina Lake WWTP	**MHC TT, Inc.**	**Privately Owned**	Varies as the campers
		Choose an item.	
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 45)

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 45)

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 45)

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.

Click to enter text.

C. Other actions required by the current permit

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

☐ Yes ☒ No

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

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.

Click to enter text.

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.

Click to enter text.

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.
Click to enter text.

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.

Click to enter text.

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.

Click to enter text.

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.

Click to enter text.

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 50)

Is the facility in operation?

☒ Yes ☐ No

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

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
$CBOD_5$, mg/l	Pending	Pending	Pending	Pending	Pending
Total Suspended Solids, mg/l	Pending	Pending	Pending	Pending	Pending
Ammonia Nitrogen, mg/l	Pending	Pending	Pending	Pending	Pending
Nitrate Nitrogen, mg/l	Pending	Pending	Pending	Pending	Pending
Total Kjeldahl Nitrogen, mg/l	Pending	Pending	Pending	Pending	Pending
Sulfate, mg/l	Pending	Pending	Pending	Pending	Pending
Chloride, mg/l	Pending	Pending	Pending	Pending	Pending
Total Phosphorus, mg/l	Pending	Pending	Pending	Pending	Pending
pH, standard units	Pending	Pending	Pending	Pending	Pending
Dissolved Oxygen*, mg/l	N/A	N/A	N/A	N/A	N/A
Chlorine Residual, mg/l	Pending	Pending	Pending	Pending	Pending
E.coli (CFU/100ml) freshwater	Pending	Pending	Pending	Pending	Pending
Entercocci (CFU/100ml) saltwater	Pending	Pending	Pending	Pending	Pending
Total Dissolved Solids, mg/l	Pending	Pending	Pending	Pending	Pending
Electrical Conductivity, µmohs/cm, †	Pending	Pending	Pending	Pending	Pending
Oil & Grease, mg/l	Pending	Pending	Pending	Pending	Pending
Alkalinity ($CaCO_3$)*, mg/l	N/A	N/A	N/A	N/A	N/A

*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 50)

Facility Operator Name: John Hegemier

Facility Operator's License Classification and Level: C

Facility Operator's License Number: WW0064161

Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 51)

A. WWTP's 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 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: Hauled off to another WWTP

C. Biosolids Management

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

all biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Other	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): Transported to another WWTP

D. Disposal site

Disposal site name: Second Nature Compost LLC

TCEQ permit or registration number: 42044

County where disposal site is located: Bexar

E. Transportation method

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

Name of the hauler: Superior Plus Septic

Hauler registration number: 25477

Sludge is transported as a:

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

Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 53)

A. Beneficial use authorization

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

☐ Yes ☒ No

If yes, are you requesting to continue this authorization to land apply sewage sludge 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 sludge	☐ 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 55)

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: Click to enter text.

Section 14. Laboratory Accreditation (Instructions Page 56)

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 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 68)

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: WQ0014280001

Section 2. Land Application Site(s) (Instructions Page 68)

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
Grass, natural landscape	2.2	19,000	N

Section 3. Storage and Evaporation Lagoons/Ponds (Instructions Page 68)

Table 3.0(2) – Storage and Evaporation Ponds

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

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

Attachment: N/A

Section 4. Flood and Runoff Protection (Instructions Page 68)

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:

FEMA Flood map # 48019C0405F

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 68)

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**: N/A. No crops are grown on the drain field

- 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 69)

Attach a USGS map with the following information shown and labeled. If not applicable, provide a detailed explanation indicating why. **Attachment**: 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
Attachment E				
			Choose an item.	
			Choose an item.	
			Choose an item.	

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
			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: Attachment E

Section 7. Groundwater Quality (Instructions Page 69)

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: F

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: N/A

Section 8. Soil Map and Soil Analyses (Instructions Page 70)

A. Soil map

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

Attachment: G

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: G

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

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number

Section 9. Effluent Monitoring Data (Instructions Page 71)

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.

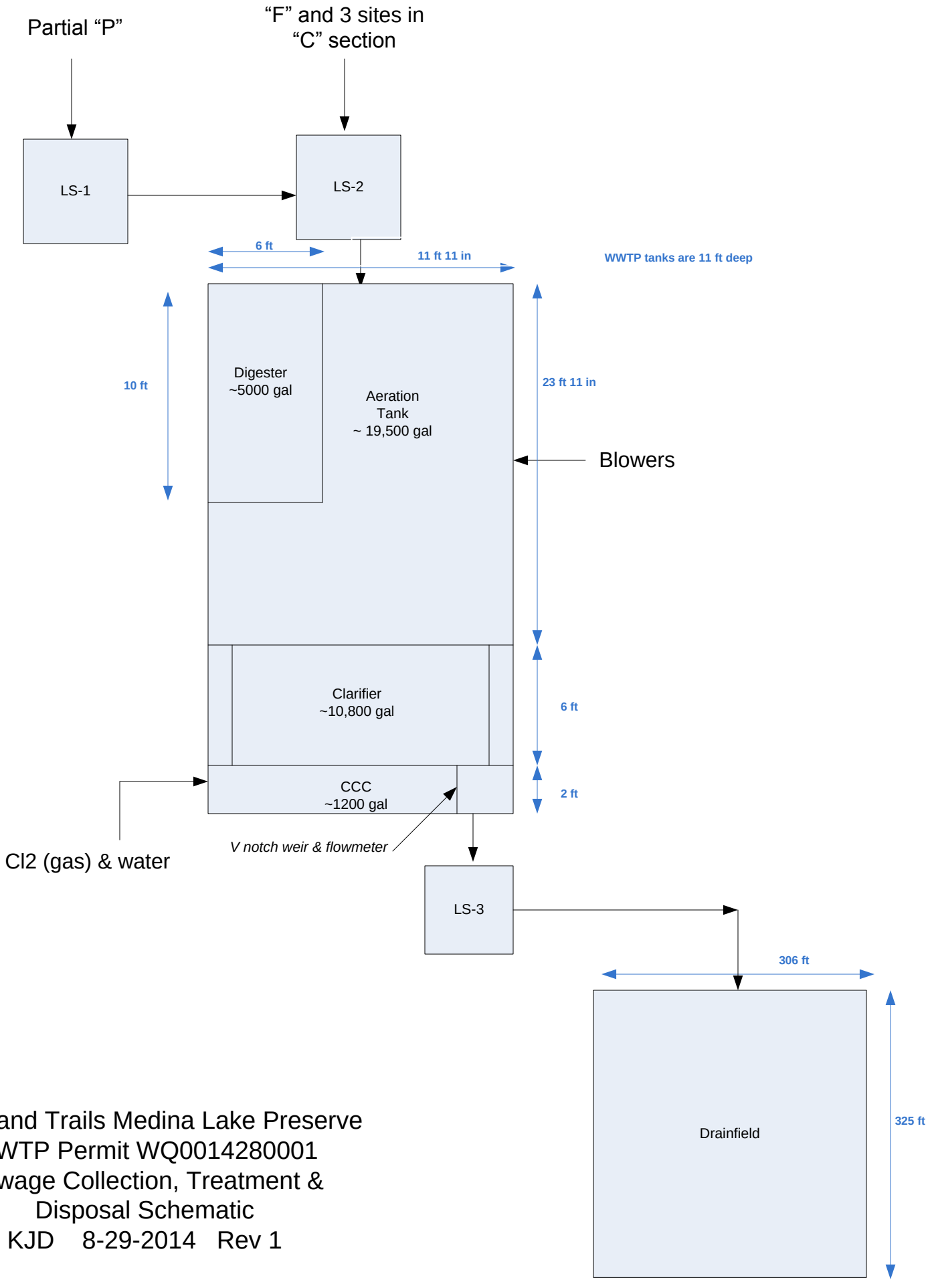
Table 3.0(5) – Effluent Monitoring Data

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated
08-2024	0.00866	4.4	<1.0	7.1	5.36	2.2
07-2024	0.01172	<2.0	<1.0	7.2	5.78	2.2
06-2024	0.00846	<2.0	<1.0	7.2	5.36	2.2
05-2024	0.00616	<2.0	<1.0	7.0	6.02	2.2
04-2024	0.00454	2.9	7.7	7.1	4.88	2.2
03-2024	0.00534	<2.0	<1.0	7.0	5.12	2.2
02-2024	0.00452	<2.0	<1.0	7.4	3.87	2.2
01-2024	0.00384	<2.0	<1.0	7.0	4.88	2.2
12-2023	0.00511	<2.0	<1.0	7.1	6.30	2.2
11-2023	0.00516				4.99	2.2
10-2023	0.00333	<2.0	<1.0	6.8	4.52	2.2
09-2023	0.00261	<2.0	<1.0	7.1	5.67	2.2
08-2023	0.00295	<2.0	<1.0	7.0	7.60	2.2
07-2023	0.00327	<2.0	<1.0	7.1	5.10	2.2
06-2023	0.00414	<2.0	15.4	7.1	6.60	2.2
05-2023	0.00325	<2.0	<1.0	7.0	6.42	2.2
04-2023	0.00486	2.9	17.3	7.1	4.88	2.2
03-2023	0.00564	<2.0	<1.0	7.0	4.38	2.2

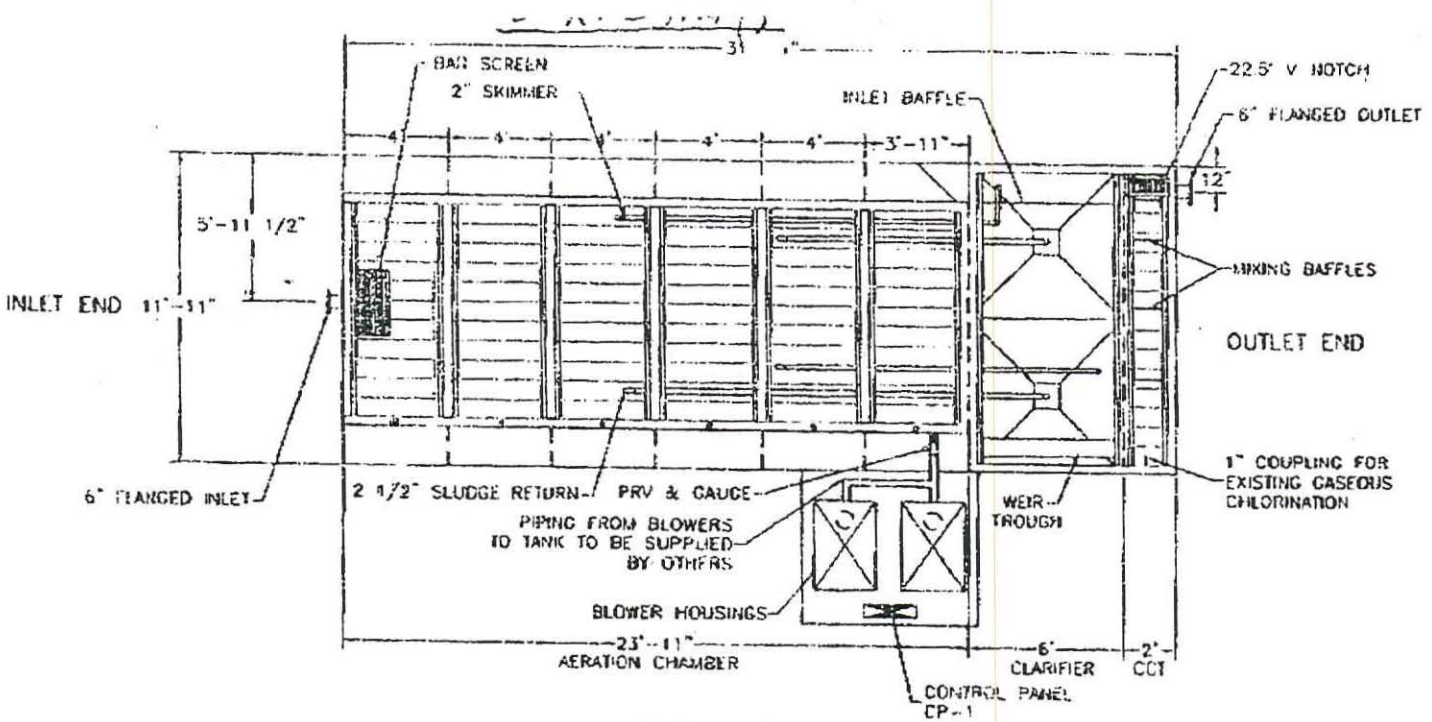
Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated
02-2023	0.00432	<2.0	<1.0	6.9	3.66	2.2
01-2023	0.00465	<2.0	<1.0	6.9	3.04	2.2
12-2022	0.00505	2.3	2.3	6.8	3.68	2.2
11-2022	0.00381	3.1	10.9	7.1	4.52	2.2
10-2022	0.00291	<2.0	<1.0	7.0	6.77	2.2
09-2022	0.00270	<2.0	<1.0	7.0	6.15	2.2
08-2022	0.00211	<2.0	<1.0	7.0	5.69	2.2
07-2022	0.00486	3.0	4.0	7.1	6.19	2.2
06-2022	0.00594	<2.0	4.8	6.6	4.97	2.2
05-2022	0.00613	<2.0	2.6	6.8	4.42	2.2
04-2022	0.00570	<2.0	<1.0	7.1	5.29	2.2
03-2022	0.00676	<2.0	6.7	6.9	5.52	2.2
02-2022	0.00570	<2.0	6.7	6.9	4.27	2.2
01-2022	0.00457	<2.0	2.5	7.1	4.40	2.2
12-2021	0.00608	<2.0	6.2	7.0	4.85	2.2
11-2021	0.00517	2.0	6.0	7.1	4.61	2.2
10-2021	0.00425	<2.0	<1.0	6.0	5.43	2.2
09-2021	0.00491	<2.0	4.0	6.8	4.06	2.2
08-2021	0.00481	<2.0	1.7	7.0	5.80	2.2

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

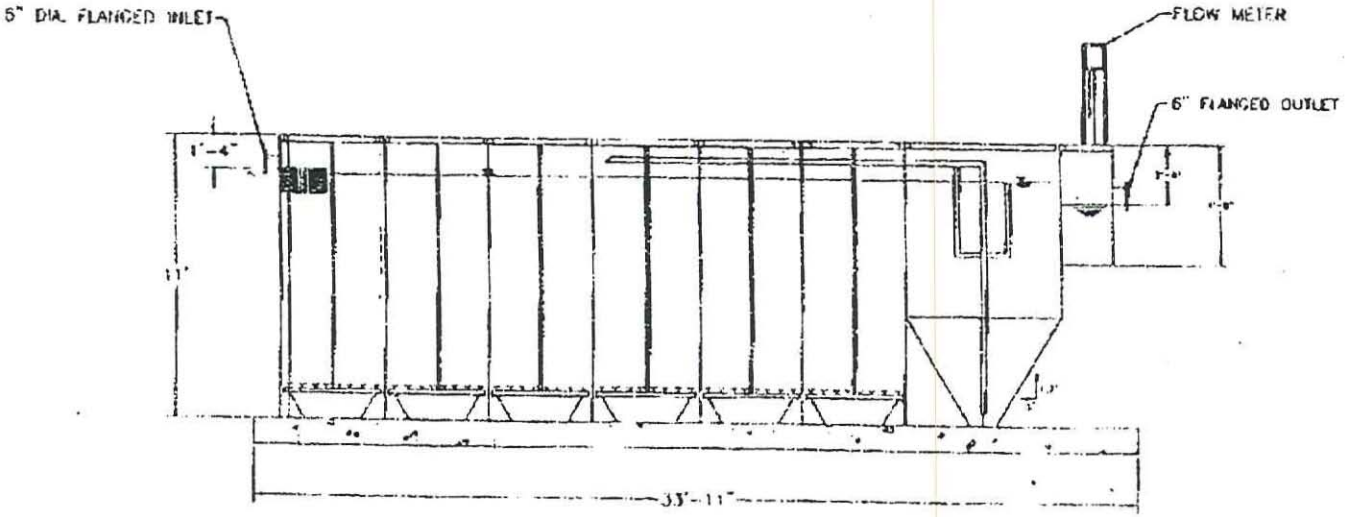
Click to enter text.



Thousand Trails Medina Lake Preserve
WWTP Permit WQ0014280001
Sewage Collection, Treatment & Disposal Schematic
KJD 8-29-2014 Rev 1



PLAN VIEW

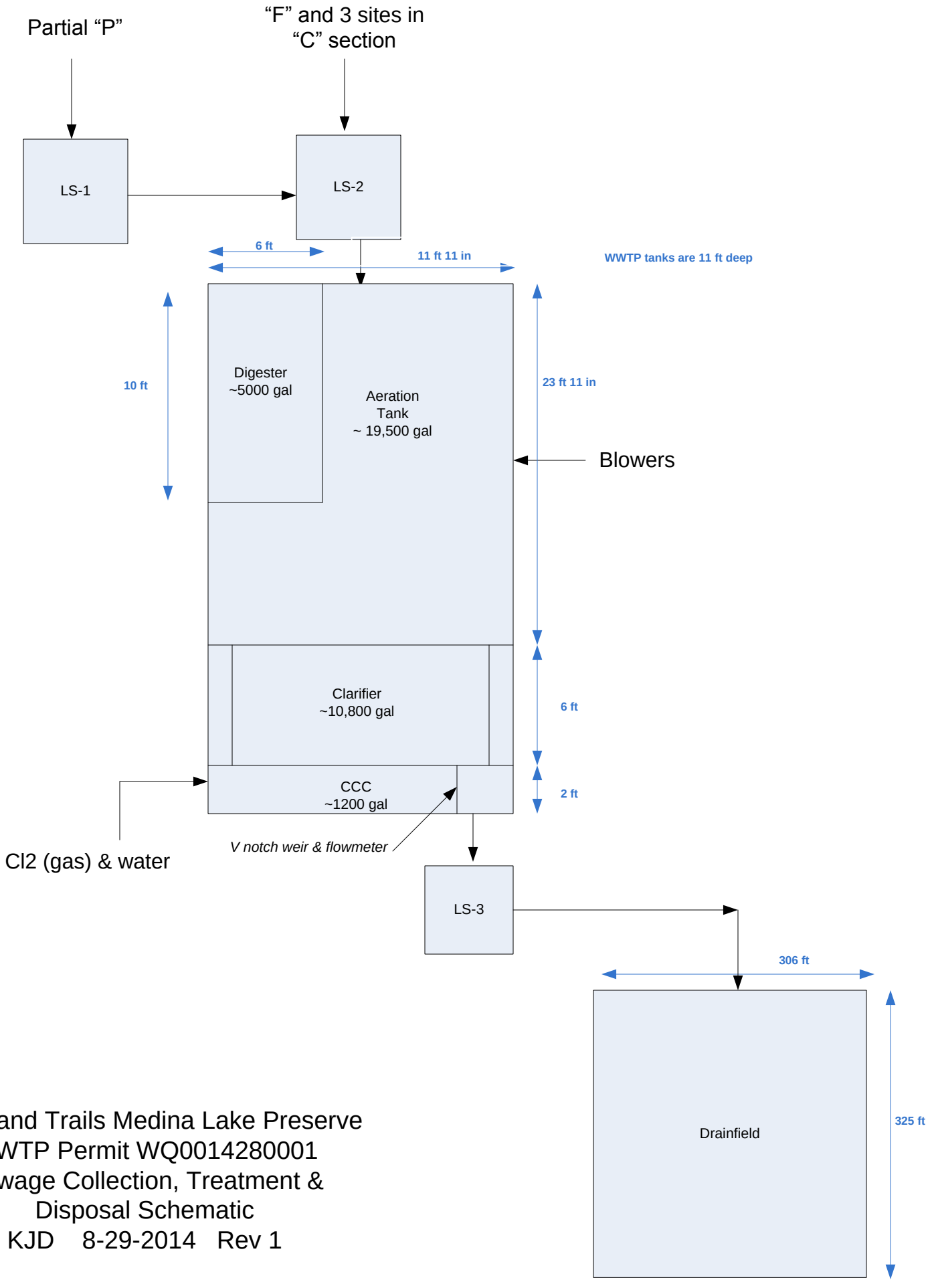


ELEVATION VIEW

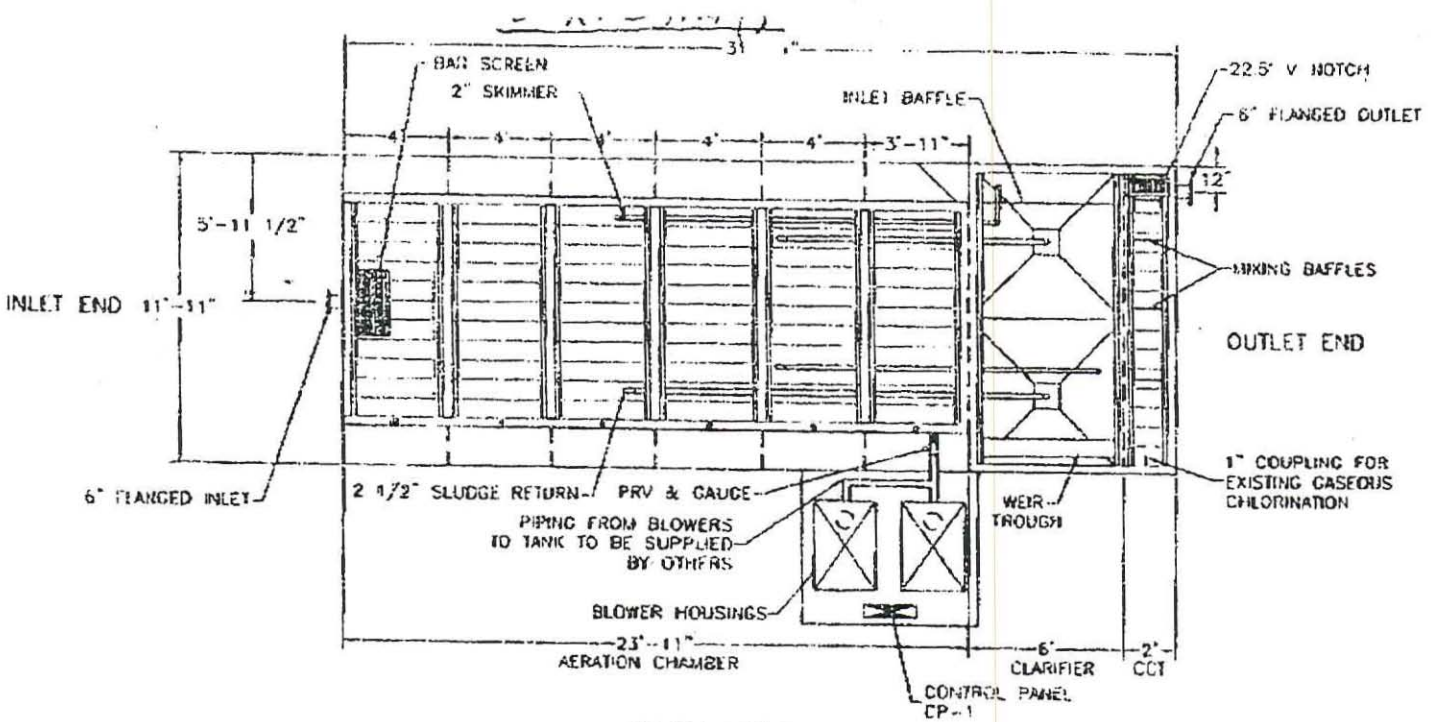
DRAWING: GENERAL ARRANGEMENT & LAYOUT
PROJECT NO: DC-2
SCALE: NTS
DATE: 1-10-00
DRAWN BY: MIC
CHECKED BY: SMT
APPROVED BY: RDT
PROJECT NAME: 1000 TRAILS CAMP GROUNDS, MEDINA LAKE, TEXAS, 20,000 GPD
REVISIONS: DATE, BY, DESCRIPTION

Tipton Environmental
2022 Ford Circle, Suite G International, Inc.
Milford, OH 45150
Phone:(513) 248-4067 Fax:(513) 248-5922

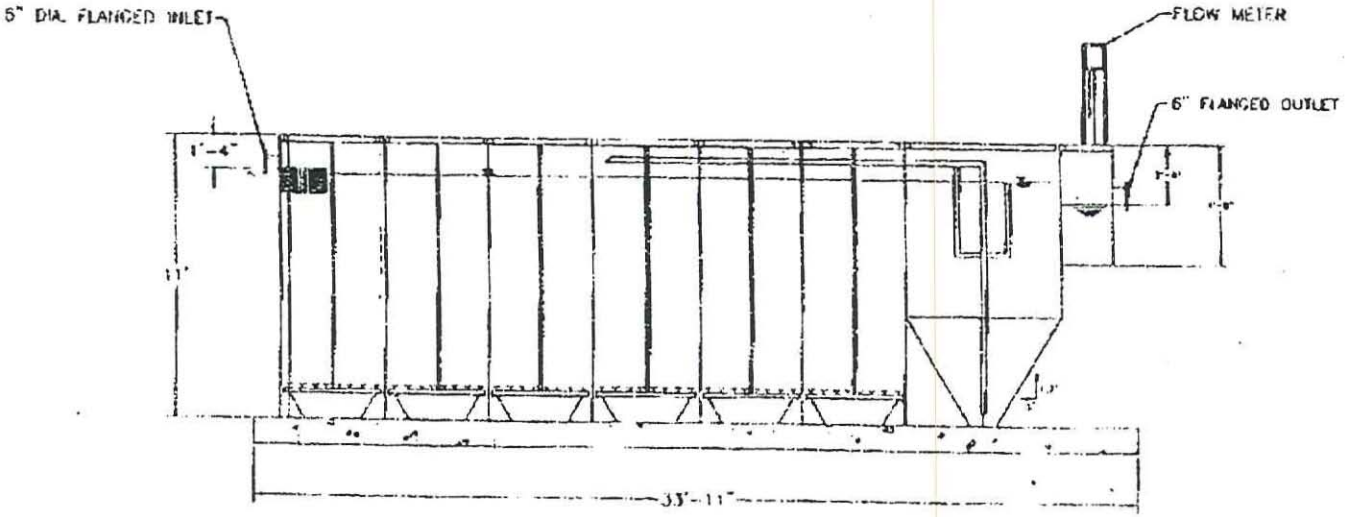
DWG NO: DC-2-1



Thousand Trails Medina Lake Preserve
WWTP Permit WQ0014280001
Sewage Collection, Treatment & Disposal Schematic
KJD 8-29-2014 Rev 1



PLAN VIEW



ELEVATION VIEW

DRAWING: GENERAL ARRANGEMENT & LAYOUT
PROJECT NO: DC-2
SCALE: NTS
DATE: 1-10-00
DRAWN BY: MIC
CHECKED BY: SMT
APPROVED BY: RDT
PROJECT NAME: 1000 TRAILS CAMP GROUNDS, MEDINA LAKE, TEXAS, 20,000 GPD
REVISIONS: DATE, BY, DESCRIPTION

Tipton Environmental
2022 Ford Circle, Suite G International, Inc.
Milford, OH 45150
Phone:(513) 248-4067 Fax:(513) 248-5922

DWG NO: DC-2-1

Groundwater Quality Technical Report
Medina Lake Wastewater Treatment Plant
WQ0014280001
Worksheet 3.0, Item 4 (d)

In accordance with 30 TAC 309.20(a)(4) (A and B), this report provides an assessment of the impact of the wastewater disposal operation on the uses of local groundwater resources.
There are approximately 20 groundwater wells within ½ mile radius of the drain field with various water uses such as public supply, unused, or domestic. The well depths range from 260 to 440 ft and are all outside the 500 ft buffer of the drainfield.
The wastewater effluent is used to irrigate adjacent land. The effluent applied to the land has a maximum application rate, as a permit limit, to ensure that the effluent is taken up by the land. The agronomic application rate ensured that potential contaminants do not migrate below the rooting zone.
The soil USDA NRCS report and map indicate that the topsoil at the drainfield is Kerrville gravelly clay loam which consists of gravelly clay loam from 0 to 8 inches, clay loam from 8 to 15 inches, extremely gravelly cay loam from 15 to 24 inches and bedrock from 24 to 60 inches. Moreover, the majority of the soil (85.3%) is silty clay from 0 to 8 inches, clay from 8 to 30 inches, extremely cobbly clay from 30 to 38 inches, cemented material from 38 to 42 inches, and bedrock from 42 to 60 inches.
In Summary, the wastewater treatment plant and the effluent irrigation system are not anticipated to negatively impact the use of local groundwater resources.

This attachment is not applicable for this wastewater renewal application.

This attachment is not applicable for this wastewater renewal application.

This attachment is not applicable for this wastewater renewal application.

Candice Calhoun

From: Hani Said <Hani.Said@AllianceTG.com>
Sent: Tuesday, December 3, 2024 3:41 PM
To: Candice Calhoun
Cc: Randy Councill; Damon Brown
Subject: Re: WQ0014280001 - Name Change Request Needed

Good afternoon Candice,

Thank you for the email.

Can you kindly proceed with changing the applicant's name for permit no. WQ0014280001 ***from*** MHC TT, L.L.C and/or MHC TT, Inc. ***to*** MHC TT, L.P.

Please let me know if anything else is needed.

Thank you,
Hani Said
Environmental Scientist

RSB ENVIRONMENTAL
AN ALLIANCE TECHNICAL GROUP COMPANY

Corporate Office: 6001 Savoy Dr., Ste. 110
Houston, Texas 77036
Office: 832.384.9475
Cell: 832.374.6758
Toll Free Number: 833.910.2535
Project Offices Nationwide

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Tuesday, December 3, 2024 1:53 PM
To: Hani Said <Hani.Said@AllianceTG.com>
Subject: WQ0014280001 - Name Change Request Needed

Good afternoon, Mr. Said,

I was working on declaring WQ0014280001 administratively complete and realized that the applicant's legal name, with SOS/CPA, changed from MHC TT, L.L.C. and/or MHC TT, Inc. to MHC TT, L.P., on May 7, 2020. For us to update the name on the permit, we will need to issue a Name Change Order, which would require a name change request from you, the applicant. If you could please just respond to this email, stating that you are requesting to change the name to MHC TT, L.P., I can go ahead and issue the Name Change Order.

Please let me know if you have any questions.

Regards,

Candice Courville
Texas Commission on Environmental Quality
Water Quality Division
512-239-4312
candice.calhoun@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

Candice Calhoun

From: Hani Said <Hani.Said@AllianceTG.com>
Sent: Monday, December 2, 2024 12:55 PM
To: Candice Calhoun
Subject: Re: Application to Renew Permit No. WQ0014280001 - MHC TT, L.P. - Notice of Deficiency (NOD)
Attachments: USGS topographic map V2.pdf; wq0014280001-nod1.pdf

Good afternoon Candice,

I hope all is well.

The NORI portion is approved.

Kindly find attached the USGS map with the effluent disposal site. There are no ponds on site therefore they are not included on the map.

Please let me know if anything else is needed.

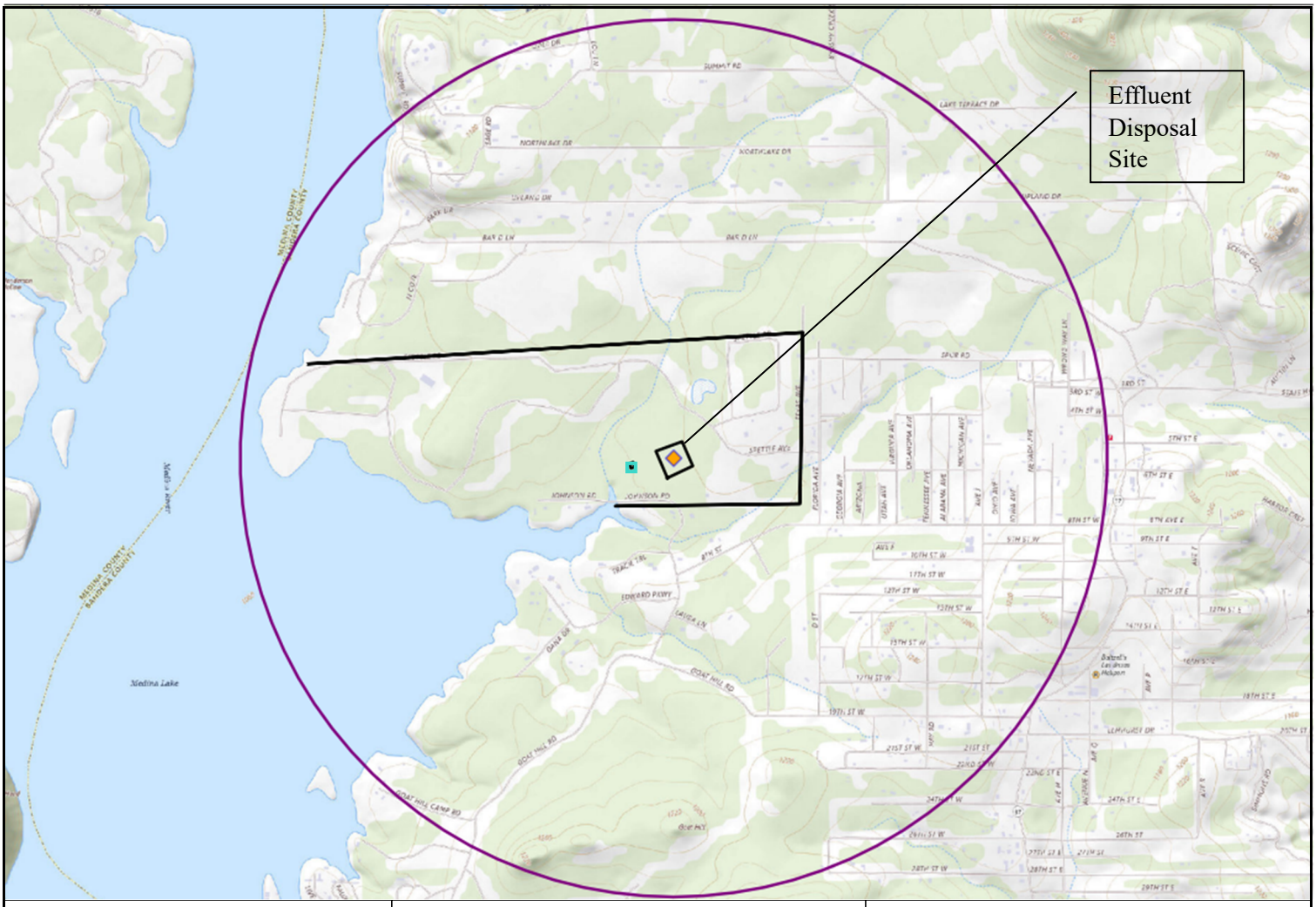
Thank you,
Hani Said
Environmental Scientist

RSB ENVIRONMENTAL
AN ALLIANCE TECHNICAL GROUP COMPANY

Corporate Office: 6001 Savoy Dr., Ste. 110
Houston, Texas 77036
Office: 832.384.9475
Cell: 832.374.6758
Toll Free Number: 833.910.2535
Project Offices Nationwide

rsbenv.com | **LinkedIn** | **Facebook** | **Twitter** | **YouTube**

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Thursday, November 21, 2024 10:13 AM
To: Hani Said <Hani.Said@AllianceTG.com>
Subject: RE: Application to Renew Permit No. WQ0014280001 - MHC TT, L.P. - Notice of Deficiency (NOD)



Legends

- Irrigation Field
- Treatment Plant Boundary
- Property Boundary
- One Mile Radius

Source: USGS Topographic Quadrangles
7.5 Minute
Series: Medina Lake, TX

1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES

1 Bandera
2 Pipe Creek
3 Jack Mountain
4 Timber Creek
5 San Geronimo
6 Quihi
7 Riomedina
8 La Coste NE

QUADRANGLE LOCATION

USGS MAP

N

0 1,000 2,000 FEET

1" = 2000 FEET
1:24,000

RSB ENVIRONMENTAL
AN ALLIANCE TECHNICAL GROUP COMPANY

RSB Environmental
6001 Savoy Dr, Ste 110
Houston, TX

MHC TT. Inc

MEDINA LAKE WASTEWATER TREATMENT PLANT

WASTEWATER PERMIT RENEWAL FOR TLAP PERMIT NO. WQ0014280001

Drawn By:	Hani Said
Approved By:	Tanvi Desai
Project No.:	AEC-2410020
Date:	October 25th, 2024