

TCEQ Interoffice Memorandum

TO: Office of the Chief Clerk
Texas Commission on Environmental Quality

THRU: Chris Kozlowski, Team Leader
Water Rights Permitting Team

FROM: Joshua Schauer, Project Manager
Water Rights Permitting Team

DATE: June 10, 2026

SUBJECT: Star Golf Partners, Ltd. and SWWC Utilities, Inc.
WRPERM 13096
CN604477885, CN603264763, RN108659103
Application No. 13096A to Amend Water Use Permit No. 13096
Texas Water Code § 11.042, Requiring Limited Mailed Notice
Unnamed tributary of Brushy Creek and Brushy Creek, Brazos River
Basin
Williamson County

Partial fees were received on December 2, 2025, and the application was received on March 6, 2026. Additional fees were received on May 28, 2026. The application was declared administratively complete and accepted for filing with the Office of the Chief Clerk on June 10, 2025. Mailed notice to interjacent water right holders of record in the Brazos River Basin is required pursuant to Title 30 Texas Administrative Code (TAC) § 295.161(b); however, there are no interjacent water right holders. Mailed notice to the Texas Parks and Wildlife Department and the Public Interest Council is required pursuant to Title 30 TAC § 295.161(c).

All fees have been paid and the application is sufficient for filing.



Joshua Schauer, Project Coordinator
Water Rights Permitting Team
Water Rights Permitting and Data Section

OCC Mailed Notice Required ☒ **YES**

☐ **NO**

Brooke T. Paup, *Chairwoman*
Catarina R. Gonzales, *Commissioner*
Tonya R. Miller, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 10, 2026

Mr. Marcus Rutte, P.E.
Jones-Heroy and Associates, Inc.
13915 North Mopac Expressway, Ste. 200
Austin, TX 78728

VIA E-MAIL

RE: Star Golf Partners, Ltd. and SWWC Utilities, Inc.
WRPERM 13096
CN604477885, CN603264763, RN108659103
Application No. 13096A to Amend Water Use Permit No. 13096
Texas Water Code § 11.042, Requiring Limited Mailed Notice
Unnamed tributary of Brushy Creek and Brushy Creek, Brazos River Basin
Williamson County

Dear Mr. Rutte:

This acknowledges receipt of additional fees in the amount of \$2.94 (Receipt No. M655934, copy attached).

The application was declared administratively complete and filed with the Office of the Chief Clerk on June 10, 2026. Staff will continue processing the application for consideration by the Executive Director.

Please be advised that additional information may be requested during the technical review phase of the application process.

If you have any questions concerning the application, please contact me via email at Joshua.Schauer@tceq.texas.gov or by telephone at (512) 239-1371.

Sincerely,

A handwritten signature in blue ink that reads "Joshua Schauer".

Joshua Schauer, Project Coordinator
Water Rights Permitting Team
Water Rights Permitting and Data Section

Attachment



TCEQ - A/R RECEIPT REPORT BY ACCOUNT NUMBER

28-MAY-26 11:07 AM

<u>Fee Description</u>	<u>Fee Code</u> <u>Account#</u> <u>Account Name</u>	<u>Ref#1</u> <u>Ref#2</u> <u>Paid In By</u>	<u>Check Number</u> <u>Card Auth.</u> <u>User Data</u>	<u>CC Type</u> <u>Tran Code</u> <u>Rec Code</u>	<u>Slip Key</u> <u>Document#</u>	<u>Tran Date</u>	<u>Tran Amount</u>
NOTICE FEES-WUP-	PTGU	M655934	18288		BS00122478	28-MAY-26	-\$2.94
WATER USE PERM	PTGU	13096A	052826	N	D6802725		
	NOTICE FEES WUP WATER USE	STAR GOLF	RHDAVIS	CK			
	PERMITS	PARTNERS					
		LTD					
						Total (Fee Code):	-\$2.94

RECEIVED
MAY 29 2026
Water Availability Division

RECEIVED
MAY 29 2026
Water Availability Division

Brooke T. Paup, *Chairwoman*
Catarina R. Gonzales, *Commissioner*
Tonya R. Miller, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 21, 2026

Mr. Marcus Rutte, P.E.
Jones-Heroy and Associates, Inc.
13915 North Mopac Expressway
Austin, TX 78728-xxxx

VIA E-MAIL

RE: Star Golf Partners, Ltd. and SWWC Utilities, Inc.
WRPERM 13096
CN604477885, CN603264763, RN108659103
Application No. 13096A to Amend Water Use Permit No. 13096
Texas Water Code §§ 11.122, 11.042, Requiring Limited Mailed Notice
Unnamed tributary of Brushy Creek and Brushy Creek, Brazos River Basin
Williamson County

Dear Mr. Rutte:

This acknowledges receipt of fees in the amount of \$112.50 (Receipt No. M645113, copy attached), on December 2, 2025, and the referenced application on March 6, 2026.

Before the application can be declared administratively complete, remit fees in the amount of **\$2.94** as described below. Please make checks payable to the TCEQ or Texas Commission on Environmental Quality.

Filing Fee (Bed and Banks)	\$ 100.00
Recording Fee	\$ 12.50
Notice Fee (TPWD)	\$ 2.94
Total Fees	\$ 115.44
Fees Received	\$ 112.50
Fees Due	\$ 2.94

Please provide the requested fee by June 22, 2026 or the application may be returned pursuant to Title 30 Texas Administrative Code § 281.18.

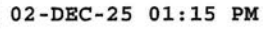
If you have any questions concerning this matter, please contact me via email at joshua.schauer@tceq.texas.gov or by telephone at (512) 239-1371.

Sincerely,

A handwritten signature in blue ink that reads "Joshua Schauer".

Joshua Schauer, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Data Section

Attached



TCEQ - A/R RECEIPT REPORT BY ACCOUNT NUMBER

	<u>Fee Code</u>	<u>Ref#1</u>	<u>Check Number</u>	<u>CC Type</u>			
	<u>Account#</u>	<u>Ref#2</u>	<u>Card Auth.</u>	<u>Tran Code</u>	<u>Slip Key</u>		
<u>Fee Description</u>	<u>Account Name</u>	<u>Paid In By</u>	<u>User Data</u>	<u>Rec Code</u>	<u>Document#</u>	<u>Tran Date</u>	<u>Tran Amount</u>
WTR USE PERMITS	WUP	M645113	18000		BS00118714	02-DEC-25	-\$112.50
	WUP	13096	120125	N	D6800977		
	WATER USE PERMITS	STAR GOLF	VTORREZ	CK			
		PARTNERS					
		LTD					
					Total (Fee Code) :		-\$112.50

RECEIVED
DEC 03 2025
Water Availability Division

JONES - HEROY & ASSOCIATES, INC.

March 06, 2026

VIA ELECTRONIC DELIVERY

Texas Commission on Environmental Quality
Water Availability Division, MC-160
Building F, Ste. 3101
12100 Park 35 Circle
Austin, Texas 78753

RECEIVED
MAR 06 2026
Water Availability Division

Re: Water Rights Permitting Application ~~Creation~~ for Star Golf Partners
JHA No. 0206-003

To Whom it May Concern,

On behalf of the applicant, we are pleased to submit the above-referenced application for review. In support of the application we are enclosing the following documentation and information:

Master List of Attachments, Exhibits, and Tables

Attachments

10214b	TCEQ Water Rights Permitting Application
10214c	Technical Information Report
001	Public Involvement Plan
002	Map Showing Project Details
003	Marshall Criteria
004	TPDES Permit WQ0013866001
005	Accounting Plan Introduction
006	Accounting Plan
007	Addendum to Worksheet 5.0
008	Amended and Restated Use Agreement
009	Fees
010	Eric Sabolsice CLP
010	Tim Timmerman CLP

Please copy us on all correspondence related to this application.

We trust the enclosed information and documentation is sufficient. Should you have any questions regarding the enclosed or require any additional information, please do not hesitate to contact us.

Sincerely,

JONES - HEROY & ASSOCIATES, INC.
TBPE Registration # F-006320



Marcus Rutte, P. E.
P.E. #152465

cc: Mr. Ricky Heine [REDACTED] com copied via electronic delivery)
Water Rights Permitting Team (WRPT@TCEQ.Texas.gov copied via electronic delivery)
Mr. Joshua Schauer (Joshua.Schauer@TCEQ.Texas.gov copied via electronic delivery)

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

TCEQ WATER RIGHTS PERMITTING APPLICATION

ADMINISTRATIVE INFORMATION CHECKLIST

Complete and submit this checklist for each application. See Instructions Page 5.

APPLICANT(S): Star Golf Partners, Ltd. and SWWC Utilities Inc.

Indicate whether the following items are included in your application by writing either Y (for yes) or N (for no) next to each item (all items are not required for every application).

Y/N

Yes **Administrative Information Report**

Yes Additional Co-Applicant Information

Yes Additional Co-Applicant Signature Pages

Yes Written Evidence of Signature Authority

Yes **Technical Information Report**

Yes USGS Map (or equivalent)

Yes Map Showing Project Details

Yes Original Photographs

No Water Availability Analysis

Yes **Worksheet 1.0**

Yes Recorded Deeds for Irrigated Land

N/A Consent for Irrigated Land

No **Worksheet 1.1**

No Addendum to Worksheet 1.1

Yes **Worksheet 1.2**

No **Worksheet 2.0**

No Additional W.S. 2.0 for Each Reservoir

No Dam Safety Documents

No Notice(s) to Governing Bodies

No Recorded Deeds for Inundated Land

No Consent for Inundated Land

Y/N

No **Worksheet 3.0**

No Additional W.S. 3.0 for each Point

No Recorded Deeds for Diversion Points

No Consent for Diversion Access

Yes **Worksheet 4.0**

Yes TPDES Permit(s)

Yes WWTP Discharge Data

See Accounting Plan

No Groundwater Well Permit

Yes Signed Water Supply Contract

See Amended and Restated Use Agreement

Yes **Worksheet 4.1**

Yes **Worksheet 5.0**

Yes Addendum to Worksheet 5.0

No **Worksheet 6.0**

No Water Conservation Plan(s)

No Drought Contingency Plan(s)

No Documentation of Adoption

Yes **Worksheet 7.0**

Yes Accounting Plan

Yes **Worksheet 8.0**

Yes Fees

Yes Public Involvement Plan

ADMINISTRATIVE INFORMATION REPORT

The following information is **required** for **all** new applications and amendments.

*****Applicants are REQUIRED to schedule a pre-application meeting with TCEQ Staff to discuss Applicant's needs prior to submitting an application. Call the Water Rights Permitting Team to schedule a meeting at (512) 239-4600.**

1. TYPE OF APPLICATION (Instructions, Page. 6)

Indicate, by marking X, next to the following authorizations you are seeking.

☐ New Appropriation of State Water

☒ Amendment to a Water Right *

☐ Bed and Banks

****If you are seeking an amendment to an existing water rights authorization, you must be the owner of record of the authorization. If the name of the Applicant in Section 2 does not match the name of the current owner(s) of record for the permit or certificate or if any of the co-owners is not included as an applicant in this amendment request, your application could be returned. If you or a co-applicant are a new owner, but ownership is not reflected in the records of the TCEQ, submit a change of ownership request (Form TCEQ-10204) prior to submitting the application for an amendment. See Instructions page. 6. Please note that an amendment application may be returned, and the Applicant may resubmit once the change of ownership is complete.***

Please summarize the authorizations or amendments you are seeking in the space below or attach a narrative description entitled "Summary of Request."

Requesting amendment to Permit No. 13096 | Type 11.122, 11.042.

Per Sections 7.E and 7.K of Water Use Permit No. 13096 (Permit), the Permittees—Star Golf Partners, Ltd. and SWWC Utilities, Inc.—request an amendment to the Permit to reflect revisions to the Amended and Restated Effluent Use Agreement (Agreement). The Agreement grants Star Golf Partners the use of effluent from the Forest Creek Wastewater Treatment Plant, which is being expanded from 0.99 MGD to 1.99 MGD and is authorized under Texas Pollutant Discharge Elimination System (TPDES) Permit No. 13866-001.

2. APPLICANT INFORMATION (Instructions, Page. 6)

a. Applicant

Indicate the number of Applicants/Co-Applicants 2
(Include a copy of this section for each Co-Applicant, if any)

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

Star Golf Partners, Ltd

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

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?
You may search for your CN on the TCEQ website at

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

CN : 604477885 (leave blank if you do not yet have a CN).

What is the name and title of the person or persons signing the application? Unless an application is signed by an individual applicant, the person or persons must submit written evidence that they meet the signatory requirements in 30 TAC § 295.14.

First/Last Name: Timothy Timmerman

Title: President

Have you provided written evidence meeting the signatory requirements in 30 TAC § 295.14, as an attachment to this application? Y/N Y

What is the applicant's mailing address as recognized by the US Postal Service (USPS)? You may verify the address on the USPS website at

<https://tools.usps.com/go/ZipLookupAction!input.action>.

Name: Star Golf Partners, Ltd.

Mailing Address: 2500 FM 658

City: Hutto State: Texas ZIP Code: 78634

Indicate an X next to the type of Applicant:

☐ Individual ☐ Sole Proprietorship-D.B.A.

☒ Partnership ☐ Corporation

☐ Trust ☐ Estate

☐ Federal Government ☐ State Government

☐ County Government ☐ City Government

☐ Other Government ☐ Other _____

For Corporations or Limited Partnerships, provide:

State Franchise Tax ID Number: _____ SOS Charter (filing) Number: _____

2. APPLICANT INFORMATION (Instructions, Page. 6)

a. Applicant

Indicate the number of Applicants/Co-Applicants 2
(Include a copy of this section for each Co-Applicant, if any)

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

SWWC Utilities Inc.

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

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?
You may search for your CN on the TCEQ website at

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

CN : 603264763 (leave blank if you do not yet have a CN).

What is the name and title of the person or persons signing the application? Unless an application is signed by an individual applicant, the person or persons must submit written evidence that they meet the signatory requirements in 30 TAC § 295.14.

First/Last Name: Eric Sabolsice

Title: President

Have you provided written evidence meeting the signatory requirements in 30 TAC § 295.14, as an attachment to this application? Y/N Y

What is the applicant's mailing address as recognized by the US Postal Service (USPS)? You may verify the address on the USPS website at

<https://tools.usps.com/go/ZipLookupAction!input.action>.

Name: SWWC Utilities, Inc.

Mailing Address: 9511 N FM 620

City: Austin State: Texas ZIP Code: 78726

Indicate an X next to the type of Applicant:

☐ Individual ☐ Sole Proprietorship-D.B.A.

☒ Partnership ☐ Corporation

☐ Trust ☐ Estate

☐ Federal Government ☐ State Government

☐ County Government ☐ City Government

☐ Other Government ☐ Other _____

For Corporations or Limited Partnerships, provide:

State Franchise Tax ID Number: _____ SOS Charter (filing) Number: _____

3. APPLICATION CONTACT INFORMATION (Instructions, Page. 9)

If the TCEQ needs additional information during the review of the application, who should be contacted? Applicant may submit their own contact information if Applicant wishes to be the point of contact.

First and Last Name: Marcus Rutte

Title: Professional Engineer

Organization Name: Jones-Heroy and Associates, Inc.

Mailing Address: 13915 North Mopac Expressway

City: Austin State: Texas ZIP Code: 78728

Phone Number: 512.989.2200

Fax Number: 512.989.2213

E-mail Address: [REDACTED]

4. WATER RIGHT CONSOLIDATED CONTACT INFORMATION (Instructions, Page. 9)

This section applies only if there are multiple Owners of the same authorization. Unless otherwise requested, Co-Owners will each receive future correspondence from the Commission regarding this water right (after a permit has been issued), such as notices and water use reports. Multiple copies will be sent to the same address if Co-Owners share the same address. Complete this section if there will be multiple owners and all owners agree to let one owner receive correspondence from the Commission. Leave this section blank if you would like all future notices to be sent to the address of each of the applicants listed in section 2 above.

I/We authorize all future notices be received on my/our behalf at the following:

First and Last Name: Ricky Heine

Title: General Manager

Organization Name: Star Golf Partners, Ltd.

Mailing Address: 2500 FM 658

City: Hutto State: Texas ZIP Code: 78634

Phone Number: 512.695.3156

Fax Number: N/A

E-mail Address: [REDACTED]

5. MISCELLANEOUS INFORMATION (Instructions, Page. 9)

- a. The application will not be processed unless all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and Penalty Protocol by all applicants/co-applicants. If you need assistance determining whether you owe delinquent penalties or fees, please call the Water Rights Permitting Team at (512) 239-4600, prior to submitting your application.
1. Does Applicant or Co-Applicant owe any fees to the TCEQ? **Yes / No** No
If **yes**, provide the following information:
Account number: 12008843794 Amount past due: 0.00
2. Does Applicant or Co-Applicant owe any penalties to the TCEQ? **Yes / No** No
If **yes**, please provide the following information:
Enforcement order number: N/A Amount past due: 0.00
- b. If the Applicant is a taxable entity (corporation or limited partnership), the Applicant must be in good standing with the Comptroller or the right of the entity to transact business in the State may be forfeited. See Texas Tax Code, Subchapter F. Applicant's may check their status with the Comptroller at <https://mycpa.cpa.state.tx.us/coa/>
Is the Applicant or Co-Applicant in good standing with the Comptroller? **Yes / No** Yes
- c. The commission will not grant an application for a water right unless the applicant has submitted all Texas Water Development Board (TWDB) surveys of groundwater and surface water use - if required. See TWC §16.012(m) and 30 TAC § 297.41(a)(5). Applicants should check survey status on the TWDB website prior to filing:
https://www3.twdb.texas.gov/apps/reports/WU_REP/SurveyStatus_PriorThreeYears
Applicant has submitted all required TWDB surveys of groundwater and surface water?
Yes / No Yes

5. MISCELLANEOUS INFORMATION (Instructions, Page. 9)

- a. The application will not be processed unless all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and Penalty Protocol by all applicants/co-applicants. If you need assistance determining whether you owe delinquent penalties or fees, please call the Water Rights Permitting Team at (512) 239-4600, prior to submitting your application.
1. Does Applicant or Co-Applicant owe any fees to the TCEQ? **Yes / No** No
If **yes**, provide the following information:
Account number: 12602872199 Amount past due: 0.00
2. Does Applicant or Co-Applicant owe any penalties to the TCEQ? **Yes / No** No
If **yes**, please provide the following information:
Enforcement order number: N/A Amount past due: 0.00
- b. If the Applicant is a taxable entity (corporation or limited partnership), the Applicant must be in good standing with the Comptroller or the right of the entity to transact business in the State may be forfeited. See Texas Tax Code, Subchapter F. Applicant's may check their status with the Comptroller at <https://mycpa.cpa.state.tx.us/coa/>
Is the Applicant or Co-Applicant in good standing with the Comptroller? **Yes / No** Yes
- c. The commission will not grant an application for a water right unless the applicant has submitted all Texas Water Development Board (TWDB) surveys of groundwater and surface water use - if required. See TWC §16.012(m) and 30 TAC § 297.41(a)(5). Applicants should check survey status on the TWDB website prior to filing:
https://www3.twdb.texas.gov/apps/reports/WU_REP/SurveyStatus_PriorThreeYears
Applicant has submitted all required TWDB surveys of groundwater and surface water?
Yes / No Yes

6. SIGNATURE PAGE (Instructions, Page. 11)

Applicant:

I, Timothy Timmerman
(Typed or printed name)

President
(Title)

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 Title 30 Texas Administrative Code §295.14 to sign and submit this document and I have submitted written evidence of my signature authority.

Signature: _____

(Use blue ink)

Date: _____

2/23/26

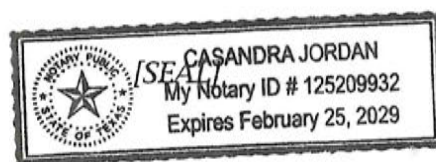
Subscribed and Sworn to before me by the said

on this 23 day of February, 20 26.

My commission expires on the 25 day of February, 20 29.

Cassandra Jordan
Notary Public

Williamson
County, Texas



If the Application includes Co-Applicants, each Applicant and Co-Applicant must submit an original, separate signature page

**See Attachment:
010 - Tim Timmerman CLP**

6. SIGNATURE PAGE (Instructions, Page. 11)

Applicant:

I, Eric Sabolsice

President

(Typed or printed name)

(Title)

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 Title 30 Texas Administrative Code §295.14 to sign and submit this document and I have submitted written evidence of my signature authority.

Signature: _____

(Use blue ink)

Date: _____

1/20/2026

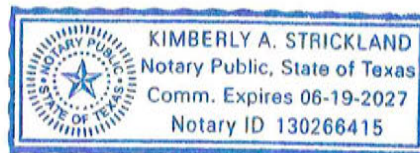
Subscribed and Sworn to before me by the said

on this 21ST day of JANUARY, 2026.

My commission expires on the 19TH day of JUNE, 2027.

Kimberly Strickland
KIMBERLY STRICKLAND

Notary Public



[SEAL]

County, Texas

If the Application includes Co-Applicants, each Applicant and Co-Applicant must submit an original, separate signature page

**See Attachment:
010 - Eric Sabolsice CLP**

TECHNICAL INFORMATION REPORT

WATER RIGHTS PERMITTING

This Report is required for applications for new or amended water rights. Based on the Applicant's responses below, Applicants are directed to submit additional Worksheets (provided herein). A completed Administrative Information Report is also required for each application.

Applicants are REQUIRED to schedule a pre-application meeting with TCEQ Permitting Staff to discuss Applicant's needs and to confirm information necessary for an application prior to submitting such application. Please contact the Water Availability Division at (512) 239-4600 or WRPT@tceq.texas.gov to schedule a meeting.

Date of pre-application meeting: October 16, 2025

1. New or Additional Appropriations of State Water. Texas Water Code (TWC) § 11.121 (Instructions, Page. 12)

State Water is: *The water of the ordinary flow, underflow, and tides of every flowing river, natural stream, and lake, and of every bay or arm of the Gulf of Mexico, and the storm water, floodwater, and rainwater of every river, natural stream, canyon, ravine, depression, and watershed in the state. TWC § 11.021.*

- a. Applicant requests a new appropriation (diversion or impoundment) of State Water? Y / N No
- b. Applicant requests an amendment to an existing water right requesting an increase in the appropriation of State Water or an increase of the overall or maximum combined diversion rate? Y / N No (If yes, indicate the Certificate or Permit number: N/A)

If Applicant answered yes to (a) or (b) above, does Applicant also wish to be considered for a term permit pursuant to TWC § 11.1381? Y / N N/A

- c. Applicant requests to extend an existing Term authorization or to make the right permanent? Y / N No (If yes, indicate the Term Certificate or Permit number: N/A)

If Applicant answered yes to (a), (b) or (c), the following worksheets and documents are required:

- **Worksheet 1.0 – Quantity, Purpose, and Place of Use Information Worksheet**
- **Worksheet 2.0 - Impoundment/Dam Information Worksheet** (submit one worksheet for each impoundment or reservoir requested in the application)
- **Worksheet 3.0 - Diversion Point Information Worksheet** (submit one worksheet for each diversion point and/or one worksheet for the upstream limit and one worksheet for the downstream limit of each diversion reach requested in the application)
- **Worksheet 5.0 – Environmental Information Worksheet**
- **Worksheet 6.0 – Water Conservation Information Worksheet**
- **Worksheet 7.0 – Accounting Plan Information Worksheet**
- **Worksheet 8.0 – Calculation of Fees**
- **Fees calculated on Worksheet 8.0 – see instructions Page. 34.**
- **Maps – See instructions Page. 15.**
- **Photographs – See instructions Page. 30.**

Additionally, if Applicant wishes to submit an alternate source of water for the project/authorization, see Section 3, Page 3 for Bed and Banks Authorizations (Alternate sources may include groundwater, imported water, contract water or other sources).

Additional Documents and Worksheets may be required (see within).

RECEIVED
MAR 06 2026
Water Availability Division

2. Amendments to Water Rights. TWC § 11.122 (Instructions, Page. 12)

This section should be completed if Applicant owns an existing water right and Applicant requests to amend the water right. ***If Applicant is not currently the Owner of Record in the TCEQ Records, Applicant must submit a Change of Ownership Application (TCEQ-10204) prior to submitting the amendment Application or provide consent from the current owner to make the requested amendment. If the application does not contain consent from the current owner to make the requested amendment, TCEQ will not begin processing the amendment application until the Change of Ownership has been completed and will consider the Received Date for the application to be the date the Change of Ownership is completed. See instructions page. 6.***

Water Right (Certificate or Permit) number you are requesting to amend: 13096

Applicant requests to sever and combine existing water rights from one or more Permits or Certificates into another Permit or Certificate? Y / N_{No} (if yes, complete chart below):

List of water rights to sever	Combine into this ONE water right
N/A	N/A

- a. Applicant requests an amendment to an existing water right to increase the amount of the appropriation of State Water (diversion and/or impoundment)? Y / N_{No}

If yes, application is a new appropriation for the increased amount, complete Section 1 of this Report (PAGE. 1) regarding New or Additional Appropriations of State Water.

- b. Applicant requests to amend existing Term authorization to extend the term or make the water right permanent (remove conditions restricting water right to a term of years)? Y / N_{No}

If yes, application is a new appropriation for the entire amount, complete Section 1 of this Report (PAGE. 1) regarding New or Additional Appropriations of State Water.

- c. Applicant requests an amendment to change the purpose or place of use or to add an additional purpose or place of use to an existing Permit or Certificate? Y / N_{No}
If yes, submit:

- **Worksheet 1.0 – Quantity, Purpose, and Place of Use Information Worksheet**
- **Worksheet 1.2 - Notice: “Marshall Criteria”**

- d. Applicant requests to change: diversion point(s); or reach(es); or diversion rate? Y / N_{No}
If yes, submit:

- **Worksheet 3.0 - Diversion Point Information Worksheet** (submit one worksheet for each diversion point or one worksheet for the upstream limit and one worksheet for the downstream limit of each diversion reach)
- **Worksheet 5.0 – Environmental Information** (Required for any new diversion points that are not already authorized in a water right)

- e. Applicant requests amendment to add or modify an impoundment, reservoir, or dam? Y / N_{No}

If yes, submit: Worksheet 2.0 - Impoundment/Dam Information Worksheet (submit one worksheet for each impoundment or reservoir)

- f. Other - Applicant requests to change any provision of an authorization not mentioned above? Y / N^{Yes}_____ If yes, call the Water Availability Division at (512) 239-4600 to discuss.

Additionally, all amendments require:

- **Worksheet 8.0 – Calculation of Fees; and Fees calculated – see instructions Page. 34**
- **Maps – See instructions Page. 15.**
- **Additional Documents and Worksheets may be required (see within).**

3. Bed and Banks. TWC § 11.042 (Instructions, Page 13)

- a. Pursuant to contract, Applicant requests authorization to convey, stored or conserved water to the place of use or diversion point of purchaser(s) using the bed and banks of a watercourse? TWC § 11.042(a). Y/N^{No}_____

If yes, submit a signed copy of the Water Supply Contract pursuant to 30 TAC §§ 295.101 and 297.101. Further, if the underlying Permit or Authorization upon which the Contract is based does not authorize Purchaser's requested Quantity, Purpose or Place of Use, or Purchaser's diversion point(s), then either:

- 1. Purchaser must submit the worksheets required under Section 1 above with the Contract Water identified as an alternate source; or*
- 2. Seller must amend its underlying water right under Section 2.*

- b. Applicant requests to convey water imported into the state from a source located wholly outside the state using the bed and banks of a watercourse? TWC § 11.042(a-1). Y / N^{No}_____

If yes, submit worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 7.0, 8.0, Maps and fees from the list below.

- c. Applicant requests to convey Applicant's own return flows derived from privately owned groundwater using the bed and banks of a watercourse? TWC § 11.042(b). Y / N^{Yes}_____

If yes, submit worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 7.0, 8.0, Maps, and fees from the list below.

- d. Applicant requests to convey Applicant's own return flows derived from surface water using the bed and banks of a watercourse? TWC § 11.042(c). Y / N^{No}_____

If yes, submit worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, Maps, and fees from the list below.

****Please note, if Applicant requests the reuse of return flows belonging to others, the Applicant will need to submit the worksheets and documents under Section 1 above, as the application will be treated as a new appropriation subject to termination upon direct or indirect reuse by the return flow discharger/owner.***

- e. Applicant requests to convey water from any other source, other than (a)-(d) above, using the bed and banks of a watercourse? TWC § 11.042(c). Y / N^{No}_____

If yes, submit worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 7.0, 8.0, Maps, and fees from the list below.

Worksheets and information:

- **Worksheet 1.0 – Quantity, Purpose, and Place of Use Information Worksheet**
- **Worksheet 2.0 - Impoundment/Dam Information Worksheet** (submit one worksheet for each impoundment or reservoir owned by the applicant through which water will be conveyed or diverted)
- **Worksheet 3.0 - Diversion Point Information Worksheet** (submit one worksheet for the downstream limit of each diversion reach for the proposed conveyances)

- **Worksheet 4.0 – Discharge Information Worksheet** (for each discharge point)
- **Worksheet 5.0 – Environmental Information Worksheet**
- **Worksheet 6.0 – Water Conservation Information Worksheet**
- **Worksheet 7.0 – Accounting Plan Information Worksheet**
- **Worksheet 8.0 – Calculation of Fees; and Fees calculated – see instructions Page. 34**
- **Maps – See instructions Page. 15.**
- **Additional Documents and Worksheets may be required (see within).**

N/A 4. General Information, Response Required for all Water Right Applications (Instructions, Page 15)

- a. Provide information describing how this application addresses a water supply need in a manner that is consistent with the state water plan or the applicable approved regional water plan for any area in which the proposed appropriation is located or, in the alternative, describe conditions that warrant a waiver of this requirement (*not required for applications to use groundwater-based return flows*). Include citations or page numbers for the State and Regional Water Plans, if applicable. Provide the information in the space below or submit a supplemental sheet entitled “Addendum Regarding the State and Regional Water Plans”:

Not applicable, groundwater based return flows.

- b. Did the Applicant perform its own Water Availability Analysis? Y / N No

If the Applicant performed its own Water Availability Analysis, provide electronic copies of any modeling files and reports.

- c. Does the application include required Maps? (Instructions Page. 15) Y / N Yes

**See Attachment:
002 - Map Showing Project Details**

WORKSHEET 1.0

Quantity, Purpose and Place of Use

1. New Authorizations (Instructions, Page. 16)

Submit the following information regarding quantity, purpose and place of use for requests for new or additional appropriations of State Water or Bed and Banks authorizations:

Quantity (acre-feet) <i>(Include losses for Bed and Banks)</i>	State Water Source (River Basin) or Alternate Source <i>*each alternate source (and new appropriation based on return flows of others) also requires completion of Worksheet 4.0</i>	Purpose(s) of Use	Place(s) of Use <i>*requests to move state water out of basin also require completion of Worksheet 1.1 Interbasin Transfer</i>
1,109 (existing)	groundwater based return flows	agriculture purposes to irrigate	120 acres of land (golf course).
1,132 (new)	groundwater based return flows	agriculture purposes to irrigate	120 acres of land (golf course).

2,241 Total amount of water (in acre-feet) to be used annually (*include losses for Bed and Banks applications*)

If the Purpose of Use is Agricultural/Irrigation for any amount of water, provide:

a. Location Information Regarding the Lands to be Irrigated

i) Applicant proposes to irrigate a total of 120 acres in any one year. This acreage is all of or part of a larger tract(s) which is described in a supplement attached to this application and contains a total of 181.28 acres in Williamson County, TX.

ii) Location of land to be irrigated: In the James H. Neiley Original Survey No. N/A, Abstract No. 485.

A copy of the deed(s) or other acceptable instrument describing the overall tract(s) with the recording information from the county records must be submitted. Applicant's name must match deeds.

If the Applicant is not currently the sole owner of the lands to be irrigated, Applicant must submit documentation evidencing consent or other documentation supporting Applicant's right to use the land described.

Water Rights for Irrigation may be appurtenant to the land irrigated and convey with the land unless reserved in the conveyance. 30 TAC § 297.81.

N/A 2. Amendments - Purpose or Place of Use (Instructions, Page. 12)

- a. Complete this section for each requested amendment changing, adding, or removing Purpose(s) or Place(s) of Use, complete the following:

Quantity (acre-feet)	Existing Purpose(s) of Use	Proposed Purpose(s) of Use*	Existing Place(s) of Use	Proposed Place(s) of Use**

**If the request is to add additional purpose(s) of use, include the existing and new purposes of use under "Proposed Purpose(s) of Use."*

***If the request is to add additional place(s) of use, include the existing and new places of use under "Proposed Place(s) of Use."*

Changes to the purpose of use in the Rio Grande Basin may require conversion. 30 TAC § 303.43.

- b. For any request which adds Agricultural purpose of use or changes the place of use for Agricultural rights, provide the following location information regarding the lands to be irrigated:
- Applicant proposes to irrigate a total of _____ acres in any one year. This acreage is all of or part of a larger tract(s) which is described in a supplement attached to this application and contains a total of _____ acres in _____ County, TX.
 - Location of land to be irrigated: In the _____ Original Survey No. _____, Abstract No. _____.

A copy of the deed(s) describing the overall tract(s) with the recording information from the county records must be submitted. Applicant's name must match deeds. If the Applicant is not currently the sole owner of the lands to be irrigated, Applicant must submit documentation evidencing consent or other legal right for Applicant to use the land described.

Water Rights for Irrigation may be appurtenant to the land irrigated and convey with the land unless reserved in the conveyance. 30 TAC § 297.81.

- Submit Worksheet 1.1, Interbasin Transfers, for any request to change the place of use which moves State Water to another river basin.
- See Worksheet 1.2, Marshall Criteria, and submit if required.
- See Worksheet 6.0, Water Conservation/Drought Contingency, and submit if required.

WORKSHEET 1.1

INTERBASIN TRANSFERS, TWC § 11.085

Submit this worksheet for an application for a new or amended water right which requests to transfer State Water from its river basin of origin to use in a different river basin. A river basin is defined and designated by the Texas Water Development Board by rule pursuant to TWC § 16.051.

Applicant requests to transfer State Water to another river basin within the State? Y / N No

N/A 1. Interbasin Transfer Request (Instructions, Page. 20)

- a. Provide the Basin of Origin. _____
- b. Provide the quantity of water to be transferred (acre-feet). _____
- c. Provide the Basin(s) and count(y/ies) where use will occur in the space below:

N/A 2. Exemptions (Instructions, Page. 20), TWC § 11.085(v)

Certain interbasin transfers are exempt from further requirements. Answer the following:

- a. The proposed transfer, which in combination with any existing transfers, totals less than 3,000 acre-feet of water per annum from the same water right. Y/N__
- b. The proposed transfer is from a basin to an adjoining coastal basin? Y/N__
- c. The proposed transfer from the part of the geographic area of a county or municipality, or the part of the retail service area of a retail public utility as defined by Section 13.002, that is within the basin of origin for use in that part of the geographic area of the county or municipality, or that contiguous part of the retail service area of the utility, not within the basin of origin? Y/N__
- d. The proposed transfer is for water that is imported from a source located wholly outside the boundaries of Texas, except water that is imported from a source located in the United Mexican States? Y/N__

N/A 3. Interbasin Transfer Requirements (Instructions, Page. 20)

For each Interbasin Transfer request that is not exempt under any of the exemptions listed above Section 2, provide the following information in a supplemental attachment titled "Addendum to Worksheet 1.1, Interbasin Transfer":

- a. the contract price of the water to be transferred (if applicable) (also include a copy of the contract or adopted rate for contract water);
- b. a statement of each general category of proposed use of the water to be transferred and a detailed description of the proposed uses and users under each category;
- c. the cost of diverting, conveying, distributing, and supplying the water to, and treating the water for, the proposed users (example - expert plans and/or reports documents may be provided to show the cost);

- d. describe the need for the water in the basin of origin and in the proposed receiving basin based on the period for which the water supply is requested, but not to exceed 50 years (the need can be identified in the most recently approved regional water plans. The state and regional water plans are available for download at this website: <http://www.twdb.texas.gov/waterplanning/swp/index.asp>);
- e. address the factors identified in the applicable most recently approved regional water plans which address the following:
 - (i) the availability of feasible and practicable alternative supplies in the receiving basin to the water proposed for transfer;
 - (ii) the amount and purposes of use in the receiving basin for which water is needed;
 - (iii) proposed methods and efforts by the receiving basin to avoid waste and implement water conservation and drought contingency measures;
 - (iv) proposed methods and efforts by the receiving basin to put the water proposed for transfer to beneficial use;
 - (v) the projected economic impact that is reasonably expected to occur in each basin as a result of the transfer; and
 - (vi) the projected impacts of the proposed transfer that are reasonably expected to occur on existing water rights, instream uses, water quality, aquatic and riparian habitat, and bays and estuaries that must be assessed under Sections 11.147, 11.150, and 11.152 in each basin (*if applicable*). If the water sought to be transferred is currently authorized to be used under an existing permit, certified filing, or certificate of adjudication, such impacts shall only be considered in relation to that portion of the permit, certified filing, or certificate of adjudication proposed for transfer and shall be based on historical uses of the permit, certified filing, or certificate of adjudication for which amendment is sought;
- f. proposed mitigation or compensation, if any, to the basin of origin by the applicant; and
- g. the continued need to use the water for the purposes authorized under the existing Permit, Certified Filing, or Certificate of Adjudication, if an amendment to an existing water right is sought.

WORKSHEET 1.2

NOTICE. "THE MARSHALL CRITERIA"

This worksheet assists the Commission in determining notice required for certain **amendments** that do not already have a specific notice requirement in a rule for that type of amendment, and *that do not change the amount of water to be taken or the diversion rate*. The worksheet provides information that Applicant **is required** to submit for amendments such as certain amendments to special conditions or changes to off-channel storage. These criteria address whether the proposed amendment will impact other water right holders or the on- stream environment beyond and irrespective of the fact that the water right can be used to its full authorized amount.

*This worksheet is **not required for Applications in the Rio Grande Basin** requesting changes in the purpose of use, rate of diversion, point of diversion, and place of use for water rights held in and transferred within and between the mainstems of the Lower Rio Grande, Middle Rio Grande, and Amistad Reservoir. See 30 TAC § 303.42.*

*This worksheet is **not required for amendments which are only changing or adding diversion points, or request only a bed and banks authorization or an IBT authorization**. However, Applicants may wish to submit the Marshall Criteria to ensure that the administrative record includes information supporting each of these criteria*

1. The "Marshall Criteria" (Instructions, Page. 21)

Submit responses on a supplemental attachment titled "Marshall Criteria" in a manner that conforms to the paragraphs (a) - (g) below:

- a. Administrative Requirements and Fees. Confirm whether application meets the administrative requirements for an amendment to a water use permit pursuant to TWC Chapter 11 and Title 30 Texas Administrative Code (TAC) Chapters 281, 295, and 297. An amendment application should include, but is not limited to, a sworn application, maps, completed conservation plan, fees, etc.
- b. Beneficial Use. Discuss how proposed amendment is a beneficial use of the water as defined in TWC § 11.002 and listed in TWC § 11.023. Identify the specific proposed use of the water (e.g., road construction, hydrostatic testing, etc.) for which the amendment is requested.
- c. Public Welfare. Explain how proposed amendment is not detrimental to the public welfare. Consider any public welfare matters that might be relevant to a decision on the application. Examples could include concerns related to the well-being of humans and the environment.
- d. Groundwater Effects. Discuss effects of proposed amendment on groundwater or groundwater recharge.

- e. State Water Plan. Describe how proposed amendment addresses a water supply need in a manner that is consistent with the state water plan or the applicable approved regional water plan for any area in which the proposed appropriation is located or, in the alternative, describe conditions that warrant a waiver of this requirement. The state and regional water plans are available for download at:
<http://www.twdb.texas.gov/waterplanning/swp/index.asp>.
- f. Waste Avoidance. Provide evidence that reasonable diligence will be used to avoid waste and achieve water conservation as defined in TWC § 11.002. Examples of evidence could include, but are not limited to, a water conservation plan or, if required, a drought contingency plan, meeting the requirements of 30 TAC Chapter 288.
- g. Impacts on Water Rights or On-stream Environment. Explain how the proposed amendment will not impact other water right holders or the on-stream environment beyond and irrespective of the fact that the water right can be used to its full authorized amount.

See Attachment:
003 - Marshall Criteria
002 - Map Showing Project Details
009 - Fees

WORKSHEET 2.0

Impoundment/Dam Information

This worksheet **is required** for any impoundment, reservoir and/or dam. Submit an additional Worksheet 2.0 for each impoundment or reservoir requested in this application.

If there is more than one structure, the numbering/naming of structures should be consistent throughout the application and on any supplemental documents (e.g., maps).

N/A 1. Storage Information (Instructions, Page. 21)

- a. Official USGS name of reservoir, if applicable:_____
- b. Provide amount of water (in acre-feet) impounded by structure at normal maximum operating level:_____.
- c. The impoundment is on-channel_____or off-channel_____(mark one)
 - i. Applicant has verified on-channel or off-channel determination by contacting Surface Water Availability Team at (512) 239-4600? Y / N_____
 - ii. If on-channel, will the structure have the ability to pass all State Water inflows that Applicant does not have authorization to impound? Y / N_____
- d. Is the impoundment structure already constructed? Y / N_____
 - i. For already constructed **on-channel** structures:
 1. Date of Construction:_____
 2. Was it constructed to be an exempt structure under TWC § 11.142? Y / N_____
 - a. If Yes, is Applicant requesting to proceed under TWC § 11.143? Y / N_____
 - b. If No, has the structure been issued a notice of violation by TCEQ? Y / N_____
 3. Is it a U.S. Natural Resources Conservation Service (NRCS) (formerly Soil Conservation Service (SCS)) floodwater-retarding structure? Y / N_____
 - a. If yes, provide the Site No._____and watershed project name_____;
 - b. Authorization to close "ports" in the service spillway requested? Y / N_____
 - ii. For **any** proposed new structures or modifications to structures:
 1. Applicant **must** contact TCEQ Dam Safety Section at (512) 239-0326, *prior to submitting an Application*. Applicant has contacted the TCEQ Dam Safety Section regarding the submission requirements of 30 TAC, Ch. 299? Y / N_____
Provide the date and the name of the Staff Person_____
 2. As a result of Applicant's consultation with the TCEQ Dam Safety Section, TCEQ has confirmed that:
 - a. No additional dam safety documents required with the Application. Y / N_____
 - b. Plans (with engineer's seal) for the structure required. Y / N_____
 - c. Engineer's signed and sealed hazard classification required. Y / N_____
 - d. Engineer's statement that structure complies with 30 TAC, Ch. 299 Rules required. Y / N_____

3. Applicants **shall** give notice by certified mail to each member of the governing body of each county and municipality in which the reservoir, or any part of the reservoir to be constructed, will be located. (30 TAC § 295.42). Applicant must submit a copy of all the notices and certified mailing cards with this Application. Notices and cards are included? Y / N_____

iii. Additional information required for **on-channel** storage:

1. Surface area (in acres) of on-channel reservoir at normal maximum operating level:_____.
 2. Based on the Application information provided, Staff will calculate the drainage area above the on-channel dam or reservoir. If Applicant wishes to also calculate the drainage area they may do so at their option.
Applicant has calculated the drainage area. Y/N_____
- If yes, the drainage area is_____sq. miles.
(If assistance is needed, call the Surface Water Availability Team prior to submitting the application, (512) 239-4600).

N/A 2. Structure Location (Instructions, Page. 23)

- a. On Watercourse (if on-channel) (USGS name):_____
- b. Zip Code: _____
- c. In the_____Original Survey No._____, Abstract No._____,
_____County, Texas.

**** A copy of the deed(s) with the recording information from the county records must be submitted describing the tract(s) that include the structure and all lands to be inundated.***

*****If the Applicant is not currently the sole owner of the land on which the structure is or will be built and sole owner of all lands to be inundated, Applicant must submit documentation evidencing consent or other documentation supporting Applicant's right to use the land described.***

- d. A point on the centerline of the dam (on-channel) or anywhere within the impoundment (off-channel) is:

Latitude_____°N, Longitude_____°W.

****Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places***

- i. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program):_____
- ii. Map submitted which clearly identifies the Impoundment, dam (where applicable), and the lands to be inundated. See instructions Page. 15. Y / N Yes

WORKSHEET 3.0

DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet is **required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g., maps).

N/A 1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. ☐ Diversion Point No.
2. ☐ Upstream Limit of Diversion Reach No.
3. ☐ Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point** _____ cfs (cubic feet per second)
or _____ gpm (gallons per minute)

c. Does this point share a diversion rate with other points? Y / N _____
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches _____ cfs or _____ gpm*

d. For amendments, is Applicant seeking to increase combined diversion rate? Y / N _____

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (✓) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
☐	Directly from stream	
☐	From an on-channel reservoir	
☐	From a stream to an on-channel reservoir	
☐	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. Y / N _____

If yes, the drainage area is _____ sq. miles.
(If assistance is needed, call the Surface Water Availability Team at (512) 239-4600, prior to submitting application)

N/A 2. Diversion Location (Instructions, Page 25)

- a. On watercourse (USGS name): _____
- b. Zip Code: _____
- c. Location of point: In the _____ Original Survey No. _____, Abstract No. _____, _____ County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure.

For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

- d. Point is at:
Latitude _____°N, Longitude _____°W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places
- e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): _____
- f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 15.
- g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 4.0

DISCHARGE INFORMATION

This worksheet required for any requested authorization to discharge water into a State Watercourse for conveyance and later withdrawal or in-place use. Worksheet 4.1 is also required for each Discharge point location requested. **Instructions Page. 26. Applicant is responsible for obtaining any separate water quality authorizations which may be required and for insuring compliance with TWC, Chapter 26 or any other applicable law.**

- a. The purpose of use for the water being discharged will be golf course irrigation.
- b. Provide the amount of water that will be lost to transportation, evaporation, seepage, channel or other associated carriage losses 8.27 (% or amount) and explain the method of calculation: See "Worksheet 4.b" from Star Golf Course Daily Accounting Log
- c. Is the source of the discharged water return flows? Y / N Yes If yes, provide the following information:
1. The TPDES Permit Number(s). WQ0013866001 (attach a copy of the **current** TPDES permit(s))
2. Applicant is the owner/holder of each TPDES permit listed above? Y / N Yes

PLEASE NOTE: If Applicant is not the discharger of the return flows, or the Applicant is not the water right owner of the underlying surface water right, or the Applicant does not have a contract with the discharger, the application should be submitted under Section 1, New or Additional Appropriation of State Water, as a request for a new appropriation of state water. If Applicant is the discharger, the surface water right holder, or the contract holder, then the application should be submitted under Section 3, Bed and Banks.

3. Monthly WWTP discharge data for the past 5 years in electronic format. (Attach and label as "Supplement to Worksheet 4.0").
4. The percentage of return flows from groundwater 100%, surface water 0%?
5. If any percentage is surface water, provide the base water right number(s) N/A.

- N/A** d. Is the source of the water being discharged groundwater? Y / N___ If yes, provide the following information:
1. Source aquifer(s) from which water will be pumped:_____
 2. If the well has not been constructed, provide production information for wells in the same aquifer in the area of the application. See <http://www.twdb.texas.gov/groundwater/data/gwdbbrpt.asp>. Additionally, provide well numbers or identifiers_____.
 3. Indicate how the groundwater will be conveyed to the stream or reservoir.
 4. A copy of the groundwater well permit if it is located in a Groundwater Conservation District (GCD) or evidence that a groundwater well permit is not required.

- di. Is the source of the water being discharged a surface water supply contract? Y / N_____
- If yes, provide the signed contract(s).

- dii. Identify any other source of the water

See Attachment:

004 - TPDES Permit WQ0013866001

006 - WWTP Discharge Data (See Accounting Plan)

WORKSHEET 4.1 DISCHARGE POINT INFORMATION

This worksheet is required for **each** discharge point. Submit one Worksheet 4.1 for each discharge point. If there is more than one discharge point, the numbering of the points should be consistent throughout the application and on any supplemental documents (e.g., maps).
Instructions, Page 27.

For water discharged at this location provide:

- a. The amount of water that will be discharged at this point is 2,241 (1,109 existing | 1,132 new) acre-feet per year. The discharged amount should include the amount needed for use and to compensate for any losses.
- b. Water will be discharged at this point at a maximum rate of 10.78 cfs or 4,836 gpm.
- c. Name of Watercourse as shown on Official USGS maps: unnamed tributary of Brushy Creek
- d. Zip Code 78634
- e. Location of point: In the James H. Neiley Original Survey No. N/A, Abstract No. 485, Williamson County, Texas.
- f. Point is at:
Latitude 30.506797 °N, Longitude 97.584656 °W.
****Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places***
- g. Indicate the method used to calculate the discharge point location (examples: Handheld GPS Device, GIS, Mapping Program): 000

Map submitted must clearly identify each discharge point. See instructions Page. 15.

**See Attachment:
002 - Map Showing Project Details**

WORKSHEET 5.0

ENVIRONMENTAL INFORMATION

N/A 1. Impingement and Entrainment

This section is required for any new diversion point that is not already authorized. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on any new diversion structure that is not already authorized in a water right). **Instructions, Page 28.**

N/A 2. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

This section is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins and in all basins for requests to change a diversion point. **Instructions, Page 30.**

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),

a. Identify the appropriate description of the water body.

☐ Stream

☐ Reservoir

Average depth of the entire water body, in feet: _____

☐ Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

☐ Intermittent - dry for at least one week during most years

☐ Intermittent with Perennial Pools - enduring pools

☐ Perennial - normally flowing

Check the method used to characterize the area downstream of the new diversion location.

☐ USGS flow records

☐ Historical observation by adjacent landowners

☐ Personal observation

☐ Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

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

d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

- ☐ Primary contact recreation (swimming or direct contact with water)
- ☐ Secondary contact recreation (fishing, canoeing, or limited contact with water)
- ☐ Non-contact recreation

e. Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the maps submitted with the application indicating the location of the photograph and the direction of the shot.
2. If the application includes a proposed reservoir, also include:
 - i. A brief description of the area that will be inundated by the reservoir.
 - ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.
 - iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

3. Alternate Sources of Water and/or Bed and Banks Applications

This section is required for applications using an alternate source of water and bed and banks applications in any basins. **Instructions, page 31.**

a. For all bed and banks applications:

- i. Submit an assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

b. For all alternate source applications:

- i. If the alternate source is treated return flows, provide the TPDES permit number WQ00136 

- N/A** ii. If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:
Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

Parameter	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

- N/A** iii. If groundwater will be used, provide the depth of the well _____ and the name of the aquifer from which water is withdrawn _____.

**See Attachment:
007 - Addendum to Worksheet 5.0**

WORKSHEET 6.0

Water Conservation/Drought Contingency Plans

This form is intended to assist applicants in determining whether a Water Conservation Plan and/or Drought Contingency Plans is required and to specify the requirements for plans.
Instructions, Page 31.

The TCEQ has developed guidance and model plans to help applicants prepare plans. Applicants may use the model plan with pertinent information filled in. For assistance submitting a plan call the Resource Protection Team (Water Conservation staff) at 512-239-4600, or e-mail wras@tceq.texas.gov. The model plans can also be downloaded from the TCEQ webpage. Please use the most up-to-date plan documents available on the webpage.

N/A 1. Water Conservation Plans

- a. The following applications must include a completed Water Conservation Plan (30 TAC § 295.9) for each use specified in 30 TAC, Chapter 288 (municipal, industrial or mining, agriculture – including irrigation, wholesale):

- N/A** 1. Request for a new appropriation or use of State Water.
- N/A** 2. Request to amend water right to increase appropriation of State Water.
- N/A** 3. Request to amend water right to extend a term.
- N/A** 4. Request to amend water right to change a place of use.
**does not apply to a request to expand irrigation acreage to adjacent tracts.*
- N/A** 5. Request to amend water right to change the purpose of use.
**applicant need only address new uses.*
- N/A** 6. Request for bed and banks under TWC § 11.042(c), when the source water is State Water.
**including return flows, contract water, or other State Water.*

- b. If Applicant is requesting any authorization in section (1)(a) above, indicate each use for which Applicant is submitting a Water Conservation Plan as an attachment:

- 1. ____Municipal Use. See 30 TAC § 288.2. **
- 2. ____Industrial or Mining Use. See 30 TAC § 288.3.
- 3. ____Agricultural Use, including irrigation. See 30 TAC § 288.4.
- 4. ____Wholesale Water Suppliers. See 30 TAC § 288.5. **

****If Applicant is a water supplier, Applicant must also submit documentation of adoption of the plan. Documentation may include an ordinance, resolution, or tariff, etc. See 30 TAC §§ 288.2(a)(1)(J)(i) and 288.5(1)(H). Applicant has submitted such documentation with each water conservation plan? Y / N____**

- c. Water conservation plans submitted with an application must also include data and information which: supports applicant's proposed use with consideration of the plan's water conservation goals; evaluates conservation as an alternative to the proposed

appropriation; and evaluates any other feasible alternative to new water development.
See 30 TAC § 288.7.

Applicant has included this information in each applicable plan? Y / N____

N/A 2. Drought Contingency Plans

- a. A drought contingency plan is also required for the following entities if Applicant is requesting any of the authorizations in section (1) (a) above – indicate each that applies:
 1. ____Municipal Uses by public water suppliers. See 30 TAC § 288.20.
 2. ____Irrigation Use/ Irrigation water suppliers. See 30 TAC § 288.21.
 3. ____Wholesale Water Suppliers. See 30 TAC § 288.22.
- b. If Applicant must submit a plan under section 2(a) above, Applicant has also submitted documentation of adoption of drought contingency plan (*ordinance, resolution, or tariff, etc. See 30 TAC § 288.30*) Y / N____

WORKSHEET 7.0

ACCOUNTING PLAN INFORMATION WORKSHEET

The following information provides guidance on when an Accounting Plan may be required for certain applications and if so, what information should be provided. An accounting plan can either be very simple such as keeping records of gage flows, discharges, and diversions; or, more complex depending on the requests in the application. Contact the Surface Water Availability Team at 512-239-4600 for information about accounting plan requirements, if any, for your application. **Instructions, Page 34.**

1. Is Accounting Plan Required

Accounting Plans are generally required:

- For applications that request authorization to divert large amounts of water from a single point where multiple diversion rates, priority dates, and water rights can also divert from that point;
- For applications for new major water supply reservoirs;
- For applications that amend a water right where an accounting plan is already required, if the amendment would require changes to the accounting plan;
- For applications with complex environmental flow requirements;
- For applications with an alternate source of water where the water is conveyed and diverted; and
- For reuse applications.

2. Accounting Plan Requirements

a. A **text file** that includes:

1. an introduction explaining the water rights and what they authorize;
2. an explanation of the fields in the accounting plan spreadsheet including how they are calculated and the source of the data;
3. for accounting plans that include multiple priority dates and authorizations, a section that discusses how water is accounted for by priority date and which water is subject to a priority call by whom; and
4. Should provide a summary of all sources of water.

b. A **spreadsheet** that includes:

1. Basic daily data such as diversions, deliveries, compliance with any instream flow requirements, return flows discharged and diverted and reservoir content;
2. Method for accounting for inflows if needed;
3. Reporting of all water use from all authorizations, both existing and proposed;
4. An accounting for all sources of water;
5. An accounting of water by priority date;
6. For bed and banks applications, the accounting plan must track the discharged water from the point of delivery to the final point of diversion;
7. Accounting for conveyance losses;
8. Evaporation losses if the water will be stored in or transported through a reservoir. Include changes in evaporation losses and a method for measuring reservoir content resulting from the discharge of additional water into the reservoir;
9. An accounting for spills of other water added to the reservoir; and
10. Calculation of the amount of drawdown resulting from diversion by junior rights or diversions of other water discharged into and then stored in the reservoir.

WORKSHEET 8.0 CALCULATION OF FEES

This worksheet is for calculating required application fees. Applications are not Administratively Complete until all required fees are received. **Instructions, Page. 34**

1. NEW APPROPRIATION

	Description	Amount (\$)
Filing Fee	Circle fee correlating to the total amount of water* requested for any new appropriation and/or impoundment. Amount should match total on Worksheet 1, Section 1. Enter corresponding fee under Amount (\$) . <u>In Acre-Feet</u> a. Less than 100 \$100.00 b. 100 - 5,000 \$250.00 c. 5,001 - 10,000 \$500.00 d. 10,001 - 250,000 \$1,000.00 e. More than 250,000 \$2,000.00	
Recording Fee		\$25.00
Agriculture Use Fee	<i>Only for those with an Irrigation Use.</i> Multiply 50¢ x ¹²⁰ ____ Number of acres that will be irrigated with State Water. **	
Use Fee	<i>Required for all Use Types, excluding Irrigation Use.</i> Multiply \$1.00 x ____ Maximum annual diversion of State Water in acre-feet. **	
Recreational Storage Fee	<i>Only for those with Recreational Storage.</i> Multiply \$1.00 x ^{73.44} ____ acre-feet of in-place Recreational Use State Water to be stored at normal max operating level.	
Storage Fee	<i>Only for those with Storage, excluding Recreational Storage.</i> Multiply 50¢ x ____ acre-feet of State Water to be stored at normal max operating level.	
Mailed Notice	Cost of mailed notice to all water rights in the basin. Contact Staff to determine the amount (512) 239-4600.	
TOTAL		\$

2. AMENDMENT OR SEVER AND COMBINE

	Description	Amount (\$)
Filing Fee	Amendment: \$100	100
	OR Sever and Combine: \$100 x ____ of water rights to combine	0.00
Recording Fee		\$12.50
Mailed Notice	Additional notice fee to be determined once application is submitted.	TBD
TOTAL INCLUDED		\$ 112.50

3. BED AND BANKS

	Description	Amount (\$)
Filing Fee		\$100.00
Recording Fee		\$12.50
Mailed Notice	Additional notice fee to be determined once application is submitted.	
TOTAL INCLUDED		\$

**See Attachment:
009 - Fees**



Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

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

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

Section 1. Preliminary Screening

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

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

Section 2. Secondary Screening

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

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

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

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

Based on pre-application meetings with Kathy Alexander and a follow up meeting with Chris Kozilowski and Joshua Schauer they suggested that a PIP would not be needed or if it would we would amend the application.

N/A

Section 3. Application Information

Type of Application (check all that apply):

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

Water Quality

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

Water Rights New Permit

☐ New Appropriation of Water
☐ New or existing reservoir

Amendment to an Existing Water Right

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

N/A

Section 4. Plain Language Summary

Provide a brief description of planned activities.

N/A

Section 5. Community and Demographic Information

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

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

(City)

(County)

(Census Tract)

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

☐

City

☐

County

☐

Census Tract

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

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

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

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

(e) Languages commonly spoken in area by percentage

(f) Community and/or Stakeholder Groups

(g) Historic public interest or involvement

N/A

Section 6. Planned Public Outreach Activities

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

☐ Yes ☐ No

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

☐ Yes ☐ No

If Yes, please describe.

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

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

☐ Yes ☐ No

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

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

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

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

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

N/A

Section 7. Voluntary Submittal

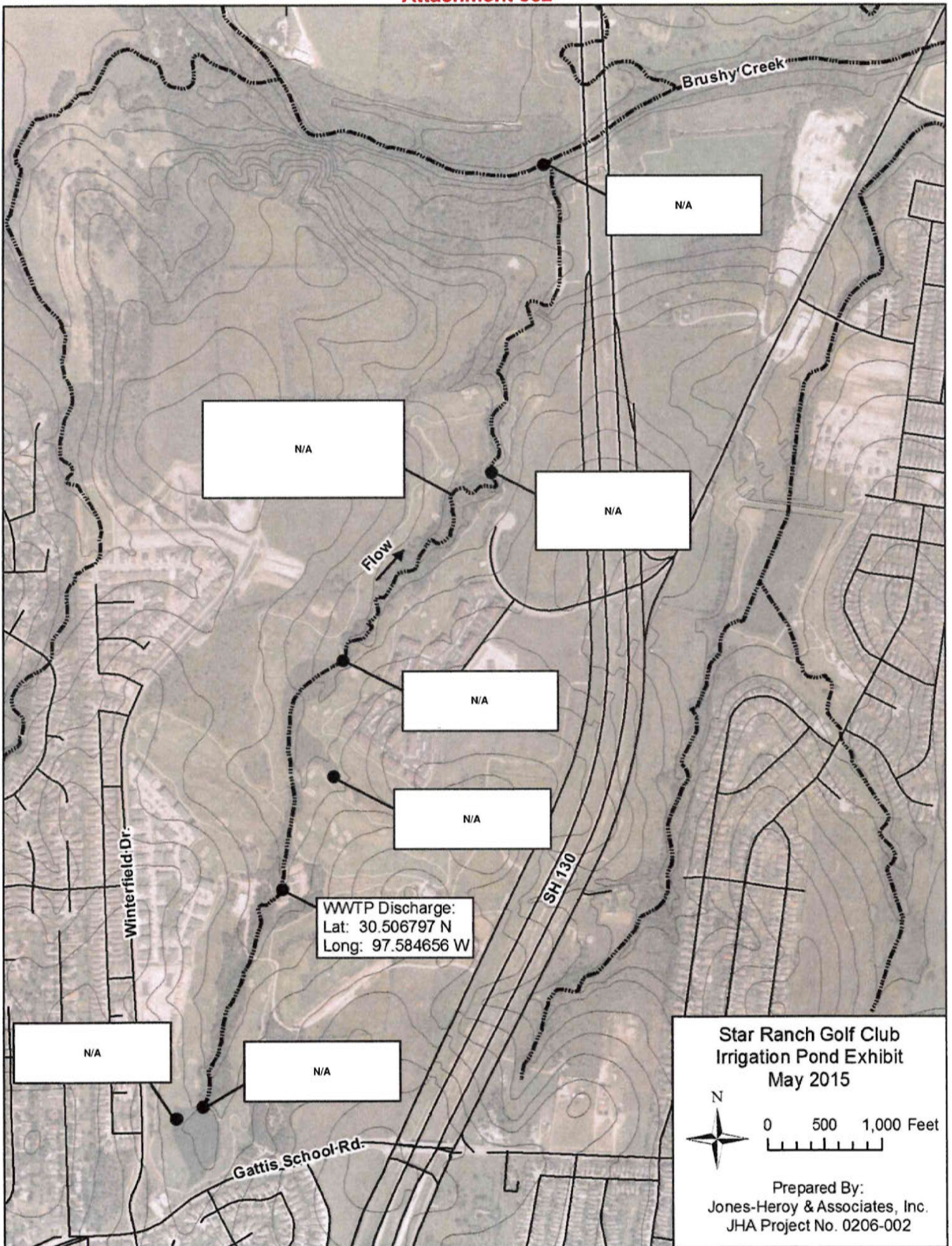
For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.

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

☐ Yes ☐ No

What types of notice will be provided?

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



Permit No. 13096

Applicants: Star Golf Partners, Ltd. SWWC Utilities, Inc.

Type of Amendment: Increase in Effluent Reuse

a) Administrative Requirements and Fees

This application meets the administrative requirements for an amendment to a water use permit under Texas Water Code (TWC) Chapter 11 and 30 TAC Chapters 281, 295, and 297. The application includes a sworn statement (**See Section 6 of 10214b**), updated location and irrigation maps (**See Attachment 002 - Map**), and confirmation of fee payment (**See Attachment 009 – Fees**). The application is complete and properly executed for filing and review by the Texas Commission on Environmental Quality (TCEQ).

b) Beneficial Use

The proposed amendment seeks to increase the volume of treated effluent available for reuse irrigation from 0.99 MGD to 2.00 MGD in connection with the expansion of the wastewater treatment plant (WWTP) serving the Williamson County Water, Sewer, Irrigation, and Drainage District No. 3 and Williamson County Municipal Utility District No. 22. The water will continue to be beneficially used for irrigation of the Star Ranch Golf Club. This use qualifies as a beneficial use under TWC §§ 11.002 and 11.023, as it supports the conservation and reuse of treated effluent for landscape irrigation rather than using freshwater supplies. The irrigated area remains unchanged.

c) Public Welfare

The proposed amendment is not detrimental to the public welfare. No negative effects are anticipated to nearby residents, creeks, or the surrounding environment. The project will have a positive impact by reducing reliance on potable or raw surface water for irrigation purposes, thereby promoting sustainability, water recycling, and environmental protection. The use of reclaimed effluent for irrigation aligns with state water conservation goals and reduces the strain on regional freshwater resources.

d) Groundwater Effects

The proposed amendment will not adversely affect groundwater or groundwater recharge. As with the existing permit, irrigation water will continue to be sourced from treated effluent rather than groundwater withdrawals. The site soils and

Marshall Criteria

underlying geology, as previously documented, are suitable for effluent reuse irrigation and do not indicate potential contamination or infiltration that would affect local aquifers. No new facilities or methods are proposed that would alter existing infiltration or recharge conditions.

e) State Water Plan and Regional Consistency

The WWTP expansion and associated reuse irrigation are consistent with the State Water Plan and the applicable Regional Water Plans for Regions G and K. The project area lies primarily within Region G, with portions extending into Region K. Both plans encourage water reuse and recycling as key strategies to meet future water demands. The proposed amendment addresses regional water supply needs by increasing effluent reuse capacity in a manner consistent with approved planning goals and sustainable resource management.

f) Waste Avoidance and Water Conservation

Reasonable diligence will continue to be used to avoid waste and achieve water conservation in accordance with TWC § 11.002 and 30 TAC Chapter 288. The Star Ranch Golf Club operates under an approved water conservation plan that remains current and in effect. The plan includes measures such as:

- a. Centralized computer-controlled irrigation with low-pressure and high-flow shutdown protections.
- b. Routine inspection and maintenance of irrigation equipment.
- c. Evapotranspiration-based irrigation scheduling.
- d. Drought contingency measures to reduce water use in stages.
- e. Use of drought-tolerant turf and landscape species.

These best management practices ensure that effluent irrigation is conducted efficiently, without waste, and in compliance with conservation standards.

g) Impacts on Water Rights or On-Stream Environment

The proposed amendment will not impact other water right holders or the on-stream environment. The effluent used for irrigation is treated wastewater, not a new or increased diversion from Brushy Creek or any other surface water body, apart from the existing authorized supplemental diversion right. The expanded reuse volume will not reduce discharges to any stream or alter flow patterns in a way that would impair downstream water rights or environmental conditions. Therefore, the amendment will not have adverse effects on other water users or aquatic ecosystems.

Jon Niermann, *Chairman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*

Attachment 004



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 11, 2024

TO: Persons on the attached mailing list.

RE: SWWC Utilities, Inc.
TPDES No. WQ0013866001

This letter is your notice that the Texas Commission on Environmental Quality (TCEQ) executive director (ED) has acted on the above-named application. According to 30 Texas Administrative Code (TAC) Section 50.135 the ED's action became effective on February 28, 2024, the date the ED signed the permit or other action unless otherwise specified in the permit or other action.

For certain matters, a **motion to overturn**, which is a request that the commission review the ED's action on an application, may be filed with the chief clerk. Whether a motion to overturn is procedurally available for a specific matter is determined by Title 30 of the Texas Administrative Code Chapter 50. According to 30 TAC Section 50.139, an action by the ED is not affected by a motion to overturn filed under this section unless expressly ordered by the commission.

If a motion to overturn is filed, the motion must be received by the chief clerk within 23 days after the date of this letter. An original and 7 copies of a motion must be filed with the chief clerk in person, or by mail to the chief clerk's address on the attached mailing list. On the same day the motion is transmitted to the chief clerk, please provide copies to the applicant, the ED's attorney, and the Public Interest Counsel at the addresses listed on the attached mailing list. If a motion to overturn is not acted on by the commission within 45 days after the date of this letter, then the motion shall be deemed overruled.

You may also request **judicial review** of the ED's action. The procedure and timelines for seeking judicial review of a commission or ED order are governed by Texas Water Code Section 5.351.

Individual members of the public may seek further information by calling the Public Education Program, toll free, at 1-800-687-4040.

Sincerely,

A handwritten signature in black ink that reads "Laurie Gharis". The script is cursive and fluid, with the first name "Laurie" and last name "Gharis" clearly distinguishable.

Laurie Gharis
Chief Clerk

LG/mb

Enclosure

MAILING LIST
for
SWWC Utilities, Inc.
TPDES Permit No. WQ0013866001

FOR THE APPLICANT:

Jeffrey L. McIntyre, President
SWWC Utilities, Inc.
12535 Reed Road
Sugar Land, Texas 77478

Tres Koenings, Senior Project Manager
Plummer Associates, Inc.
6300 La Calma Drive, Suite 400
Austin, Texas 78752

Chuck Barry
Environmental Health & Safety Manager
SWWC Utilities, Inc.
1620 Grand Avenue Parkway, Suite 140
Pflugerville, Texas 78660

PROTESTANTS/INTERESTED PERSONS:

Tiffany Malzahn
Brazos River Authority
4600 Cobbs Drive
Waco, Texas 76710-3008

Tiffany Malzahn
Brazos River Authority
P.O. Box 75855
Waco, Texas 76714-7555

FOR THE EXECUTIVE DIRECTOR
via electronic mail:

Ryan Vise, Deputy Director
Texas Commission on Environmental
Quality
External Relations Division
Public Education Program MC 108
P.O. Box 13087
Austin, Texas 78711-3087

Todd Galiga, Senior Attorney
Texas Commission on Environmental
Quality
Environmental Law Division MC 173
P.O. Box 13087
Austin, Texas 78711-3087

Sonia Bhuiya, Technical Staff
Texas Commission on Environmental
Quality
Water Quality Division MC-148
P.O. Box 13087
Austin, Texas 78711-3087

FOR PUBLIC INTEREST COUNSEL
via electronic mail:

Garrett T. Arthur, Attorney
Texas Commission on Environmental
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Public Interest Counsel MC 103
P.O. Box 13087
Austin, Texas 78711-3087

FOR THE CHIEF CLERK
via electronic mail:

Laurie Gharis, Chief Clerk
Texas Commission on Environmental
Quality
Office of Chief Clerk MC 105
P.O. Box 13087
Austin, Texas 78711-3087



TPDES PERMIT NO.
WQ0013866001
*[For TCEQ office use only - EPA I.D.
No. TX0118265]*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

This major amendment supersedes and
replaces TPDES Permit No.
WQ0013866001 issued on February 11,
2019.

PERMIT TO DISCHARGE WASTES
under provisions of
Section 402 of the Clean Water Act
and Chapter 26 of the Texas Water Code

SWWC Utilities, Inc.

whose mailing address is

12535 Reed Road
Sugar Land, Texas 77478

is authorized to treat and discharge wastes from the Forest Creek Wastewater Treatment
Facility, SIC Code 4952

located at 2065 Muirfield Bend Drive, in Williamson County, Texas 78634

to an unnamed tributary, thence to Brushy Creek in Segment No. 1244 of the Brazos River Basin

only according to effluent limitations, monitoring requirements, and other conditions set forth
in this permit, as well as the rules of the Texas Commission on Environmental Quality (TCEQ),
the laws of the State of Texas, and other orders of the TCEQ. The issuance of this permit does
not grant to the permittee the right to use private or public property for conveyance of
wastewater along the discharge route described in this permit. This includes, but is not limited
to, property belonging to any individual, partnership, corporation, or other entity. Neither does
this permit authorize any invasion of personal rights nor any violation of federal, state, or local
laws or regulations. It is the responsibility of the permittee to acquire property rights as may be
necessary to use the discharge route.

This permit shall expire at midnight, **five years from the date of issuance.**

ISSUED DATE: February 28, 2024



For the Commission

INTERIM EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Outfall Number 001

1. During the period beginning upon the date of issuance and lasting through completion of expansion to the 2.0 million gallons per day (MGD) facility, the permittee is authorized to discharge subject to the following effluent limitations:

The daily average flow of effluent shall not exceed 0.99 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 2,406 gallons per minute.

Effluent Characteristic	Discharge Limitations			Min. Self-Monitoring Requirements	
	Daily Avg mg/l (lbs/day)	7-day Avg mg/l	Daily Max mg/l	Single Grab mg/l	Report Daily Avg. & Daily Max. Measurement Frequency Sample Type
Flow, MGD	Report	N/A	Report	N/A	Continuous Totalizing Meter
Carbonaceous Biochemical Oxygen Demand (5-day)	10 (83)	15	25	35	One/week Composite
Total Suspended Solids	15 (124)	25	40	60	One/week Composite
Ammonia Nitrogen	2 (17)	5	10	15	One/week Composite
<i>E. coli</i> , colony-forming units or most probable number per 100 ml	126	N/A	399	N/A	Two/month Grab

2. The effluent shall contain a total chlorine residual of at least 1.0 mg/l and shall not exceed a total chlorine residual of 4.0 mg/l after a detention time of at least 20 minutes (based on peak flow), and shall be monitored daily by grab sample. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.
3. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored twice per month by grab sample.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
5. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.
6. The effluent shall contain a minimum dissolved oxygen of 6.0 mg/l and shall be monitored once per week by grab sample.

FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Outfall Number 001

1. During the period beginning upon completion of expansion to the 2.0 million gallons per day (MGD) facility and lasting through the date of expiration, the permittee is authorized to discharge subject to the following effluent limitations:

The annual average flow of effluent shall not exceed 2.0 MGD, nor shall the average discharge during any two-hour period (2-hour peak) exceed 5,556 gallons per minute.

Effluent Characteristic	Discharge Limitations				Min. Self-Monitoring Requirements	
	Daily Avg mg/l (lbs/day)	7-day Avg mg/l	Daily Max mg/l	Single Grab mg/l	Report Daily Avg. & Daily Max. Measurement Frequency	Sample Type
Flow, MGD	Report	N/A	Report	N/A	Continuous	Totalizing Meter
Carbonaceous Biochemical Oxygen Demand (5-day)	10 (167)	15	25	35	Two/week	Composite
Total Suspended Solids	15 (250)	25	40	60	Two/week	Composite
Ammonia Nitrogen	2 (33)	5	10	15	Two/week	Composite
Total Phosphorus	1 (17)	2	4	6	Two/week	Composite
<i>E. coli</i> , colony-forming units or most probable number per 100 ml	126	N/A	399	N/A	One/week	Grab

2. The effluent shall contain a total chlorine residual of at least 1.0 mg/l after a detention time of at least 20 minutes (based on peak flow) and shall be monitored daily by grab sample. The permittee shall dechlorinate the chlorinated effluent to less than 0.1 mg/l total chlorine residual and shall monitor total chlorine residual daily by grab sample after the dechlorination process. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.
3. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per week by grab sample.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
5. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.
6. The effluent shall contain a minimum dissolved oxygen of 6.0 mg/l and shall be monitored twice per week by grab sample.
7. The annual average flow and maximum 2-hour peak flow shall be reported monthly.

DEFINITIONS AND STANDARD PERMIT CONDITIONS

As required by Title 30 Texas Administrative Code (TAC) Chapter 305, certain regulations appear as standard conditions in waste discharge permits. 30 TAC § 305.121 - 305.129 (relating to Permit Characteristics and Conditions) as promulgated under the Texas Water Code (TWC) §§ 5.103 and 5.105, and the Texas Health and Safety Code (THSC) §§ 361.017 and 361.024(a), establish the characteristics and standards for waste discharge permits, including sewage sludge, and those sections of 40 Code of Federal Regulations (CFR) Part 122 adopted by reference by the Commission. The following text includes these conditions and incorporates them into this permit. All definitions in TWC § 26.001 and 30 TAC Chapter 305 shall apply to this permit and are incorporated by reference. Some specific definitions of words or phrases used in this permit are as follows:

1. Flow Measurements

- a. Annual average flow - the arithmetic average of all daily flow determinations taken within the preceding 12 consecutive calendar months. The annual average flow determination shall consist of daily flow volume determinations made by a totalizing meter, charted on a chart recorder and limited to major domestic wastewater discharge facilities with one million gallons per day or greater permitted flow.
- b. Daily average flow - the arithmetic average of all determinations of the daily flow within a period of one calendar month. The daily average flow determination shall consist of determinations made on at least four separate days. If instantaneous measurements are used to determine the daily flow, the determination shall be the arithmetic average of all instantaneous measurements taken during that month. Daily average flow determination for intermittent discharges shall consist of a minimum of three flow determinations on days of discharge.
- c. Daily maximum flow - the highest total flow for any 24-hour period in a calendar month.
- d. Instantaneous flow - the measured flow during the minimum time required to interpret the flow measuring device.
- e. 2-hour peak flow (domestic wastewater treatment plants) - the maximum flow sustained for a two-hour period during the period of daily discharge. The average of multiple measurements of instantaneous maximum flow within a two-hour period may be used to calculate the 2-hour peak flow.
- f. Maximum 2-hour peak flow (domestic wastewater treatment plants) - the highest 2-hour peak flow for any 24-hour period in a calendar month.

2. Concentration Measurements

- a. Daily average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar month, consisting of at least four separate representative measurements.
 - i. For domestic wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values in the previous four consecutive month period consisting of at least four measurements shall be utilized as the daily average concentration.

- ii. For all other wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values taken during the month shall be utilized as the daily average concentration.
- b. 7-day average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar week, Sunday through Saturday.
- c. Daily maximum concentration - the maximum concentration measured on a single day, by the sample type specified in the permit, within a period of one calendar month.
- d. Daily discharge - the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in terms of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the sampling day. For pollutants with limitations expressed in other units of measurement, the daily discharge is calculated as the average measurement of the pollutant over the sampling day.

The daily discharge determination of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the daily discharge determination of concentration shall be the arithmetic average (weighted by flow value) of all samples collected during that day.

- e. Bacteria concentration (*E. coli* or Enterococci) - Colony Forming Units (CFU) or Most Probable Number (MPN) of bacteria per 100 milliliters effluent. The daily average bacteria concentration is a geometric mean of the values for the effluent samples collected in a calendar month. The geometric mean shall be determined by calculating the n th root of the product of all measurements made in a calendar month, where n equals the number of measurements made; or, computed as the antilogarithm of the arithmetic mean of the logarithms of all measurements made in a calendar month. For any measurement of bacteria equaling zero, a substituted value of one shall be made for input into either computation method. If specified, the 7-day average for bacteria is the geometric mean of the values for all effluent samples collected during a calendar week.
 - f. Daily average loading (lbs/day) - the arithmetic average of all daily discharge loading calculations during a period of one calendar month. These calculations must be made for each day of the month that a parameter is analyzed. The daily discharge, in terms of mass (lbs/day), is calculated as (Flow, MGD x Concentration, mg/l x 8.34).
 - g. Daily maximum loading (lbs/day) - the highest daily discharge, in terms of mass (lbs/day), within a period of one calendar month.
3. Sample Type
- a. Composite sample - For domestic wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9 (a). For industrial wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9 (b).

- b. Grab sample - an individual sample collected in less than 15 minutes.
- 4. Treatment Facility (facility) - wastewater facilities used in the conveyance, storage, treatment, recycling, reclamation and/or disposal of domestic sewage, industrial wastes, agricultural wastes, recreational wastes, or other wastes including sludge handling or disposal facilities under the jurisdiction of the Commission.
- 5. The term "sewage sludge" is defined as solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in 30 TAC Chapter 312. This includes the solids that have not been classified as hazardous waste separated from wastewater by unit processes.
- 6. The term "biosolids" is defined as sewage sludge that has been tested or processed to meet Class A, Class AB, or Class B pathogen standards in 30 TAC Chapter 312 for beneficial use.
- 7. Bypass - the intentional diversion of a waste stream from any portion of a treatment facility.

MONITORING AND REPORTING REQUIREMENTS

1. Self-Reporting

Monitoring results shall be provided at the intervals specified in the permit. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall conduct effluent sampling and reporting in accordance with 30 TAC §§ 319.4 - 319.12. Unless otherwise specified, effluent monitoring data shall be submitted each month, to the Compliance Monitoring Team of the Enforcement Division (MC 224), by the 20th day of the following month for each discharge which is described by this permit whether or not a discharge is made for that month. Monitoring results must be submitted online using the NetDMR reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. Monitoring results must be signed and certified as required by Monitoring and Reporting Requirements No. 10.

As provided by state law, the permittee is subject to administrative, civil and criminal penalties, as applicable, for negligently or knowingly violating the Clean Water Act (CWA); TWC §§ 26, 27, and 28; and THSC § 361, including but not limited to knowingly making any false statement, representation, or certification on any report, record, or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance, or falsifying, tampering with or knowingly rendering inaccurate any monitoring device or method required by this permit or violating any other requirement imposed by state or federal regulations.

2. Test Procedures

- a. Unless otherwise specified in this permit, test procedures for the analysis of pollutants shall comply with procedures specified in 30 TAC §§ 319.11 - 319.12. Measurements, tests, and calculations shall be accurately accomplished in a representative manner.
- b. All laboratory tests submitted to demonstrate compliance with this permit must meet the requirements of 30 TAC § 25, Environmental Testing Laboratory Accreditation and Certification.

3. Records of Results

- a. Monitoring samples and measurements shall be taken at times and in a manner so as to be representative of the monitored activity.

- b. Except for records of monitoring information required by this permit related to the permittee's sewage sludge or biosolids use and disposal activities, which shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503), monitoring and reporting records, including strip charts and records of calibration and maintenance, copies of all records required by this permit, records of all data used to complete the application for this permit, and the certification required by 40 CFR § 264.73(b)(9) shall be retained at the facility site, or shall be readily available for review by a TCEQ representative for a period of three years from the date of the record or sample, measurement, report, application or certification. This period shall be extended at the request of the Executive Director.
- c. Records of monitoring activities shall include the following:
 - i. date, time and place of sample or measurement;
 - ii. identity of individual who collected the sample or made the measurement.
 - iii. date and time of analysis;
 - iv. identity of the individual and laboratory who performed the analysis;
 - v. the technique or method of analysis; and
 - vi. the results of the analysis or measurement and quality assurance/quality control records.

The period during which records are required to be kept shall be automatically extended to the date of the final disposition of any administrative or judicial enforcement action that may be instituted against the permittee.

4. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit using approved analytical methods as specified above, all results of such monitoring shall be included in the calculation and reporting of the values submitted on the approved self-report form. Increased frequency of sampling shall be indicated on the self-report form.

5. Calibration of Instruments

All automatic flow measuring or recording devices and all totalizing meters for measuring flows shall be accurately calibrated by a trained person at plant start-up and as often thereafter as necessary to ensure accuracy, but not less often than annually unless authorized by the Executive Director for a longer period. Such person shall verify in writing that the device is operating properly and giving accurate results. Copies of the verification shall be retained at the facility site and/or shall be readily available for review by a TCEQ representative for a period of three years.

6. Compliance Schedule Reports

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of the permit shall be submitted no later than 14 days following each schedule date to the Regional Office and the Compliance Monitoring Team of the Enforcement Division (MC 224).

7. Noncompliance Notification

- a. In accordance with 30 TAC § 305.125(9) any noncompliance which may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. Except as allowed by 30 TAC § 305.132, report of such information shall be provided orally or by facsimile transmission (FAX) to the Regional Office within 24 hours of becoming aware of the noncompliance. A written submission of such information shall also be provided by the permittee to the Regional Office and the Compliance Monitoring Team of the Enforcement Division (MC 224) within five working days of becoming aware of the noncompliance. For Publicly Owned Treatment Works (POTWs), effective December 21, 2025, the permittee must submit the written report for unauthorized discharges and unanticipated bypasses that exceed any effluent limit in the permit using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. The written submission shall contain a description of the noncompliance and its cause; the potential danger to human health or safety, or the environment; the period of noncompliance, including exact dates and times; if the noncompliance has not been corrected, the time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.
 - b. The following violations shall be reported under Monitoring and Reporting Requirement 7.a.:
 - i. Unauthorized discharges as defined in Permit Condition 2(g).
 - ii. Any unanticipated bypass that exceeds any effluent limitation in the permit.
 - iii. Violation of a permitted maximum daily discharge limitation for pollutants listed specifically in the Other Requirements section of an Industrial TPDES permit.
 - c. In addition to the above, any effluent violation which deviates from the permitted effluent limitation by more than 40% shall be reported by the permittee in writing to the Regional Office and the Compliance Monitoring Team of the Enforcement Division (MC 224) within 5 working days of becoming aware of the noncompliance.
 - d. Any noncompliance other than that specified in this section, or any required information not submitted or submitted incorrectly, shall be reported to the Compliance Monitoring Team of the Enforcement Division (MC 224) as promptly as possible. For effluent limitation violations, noncompliances shall be reported on the approved self-report form.
8. In accordance with the procedures described in 30 TAC §§ 35.301 - 35.303 (relating to Water Quality Emergency and Temporary Orders) if the permittee knows in advance of the need for a bypass, it shall submit prior notice by applying for such authorization.
9. Changes in Discharges of Toxic Substances

All existing manufacturing, commercial, mining, and silvicultural permittees shall notify the Regional Office, orally or by facsimile transmission within 24 hours, and both the Regional Office and the Compliance Monitoring Team of the Enforcement Division (MC 224) in writing within five (5) working days, after becoming aware of or having reason to believe:

- a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant listed at 40 CFR Part 122, Appendix D, Tables II and III (excluding Total Phenols) which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - i. One hundred micrograms per liter (100 µg/L);
 - ii. Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - iii. Five (5) times the maximum concentration value reported for that pollutant in the permit application; or
 - iv. The level established by the TCEQ.
- b. That any activity has occurred or will occur which would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - i. Five hundred micrograms per liter (500 µg/L);
 - ii. One milligram per liter (1 mg/L) for antimony;
 - iii. Ten (10) times the maximum concentration value reported for that pollutant in the permit application; or
 - iv. The level established by the TCEQ.

10. Signatories to Reports

All reports and other information requested by the Executive Director shall be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).

11. All POTWs must provide adequate notice to the Executive Director of the following:
 - a. Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to CWA § 301 or § 306 if it were directly discharging those pollutants;
 - b. Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit; and
 - c. For the purpose of this paragraph, adequate notice shall include information on:
 - i. The quality and quantity of effluent introduced into the POTW; and
 - ii. Any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

PERMIT CONDITIONS**1. General**

- a. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in an application or in any report to the Executive Director, it shall promptly submit such facts or information.
- b. This permit is granted on the basis of the information supplied and representations made by the permittee during action on an application, and relying upon the accuracy and completeness of that information and those representations. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked, in whole or in part, in accordance with 30 TAC Chapter 305, Subchapter D, during its term for good cause including, but not limited to, the following:
 - i. Violation of any terms or conditions of this permit;
 - ii. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
 - iii. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- c. The permittee shall furnish to the Executive Director, upon request and within a reasonable time, any information to determine whether cause exists for amending, revoking, suspending or terminating the permit. The permittee shall also furnish to the Executive Director, upon request, copies of records required to be kept by the permit.

2. Compliance

- a. Acceptance of the permit by the person to whom it is issued constitutes acknowledgment and agreement that such person will comply with all the terms and conditions embodied in the permit, and the rules and other orders of the Commission.
- b. The permittee has a duty to comply with all conditions of the permit. Failure to comply with any permit condition constitutes a violation of the permit and the Texas Water Code or the Texas Health and Safety Code, and is grounds for enforcement action, for permit amendment, revocation, or suspension, or for denial of a permit renewal application or an application for a permit for another facility.
- c. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.
- d. The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal or other permit violation that has a reasonable likelihood of adversely affecting human health or the environment.
- e. Authorization from the Commission is required before beginning any change in the permitted facility or activity that may result in noncompliance with any permit requirements.

- f. A permit may be amended, suspended and reissued, or revoked for cause in accordance with 30 TAC §§ 305.62 and 305.66 and TWC§ 7.302. The filing of a request by the permittee for a permit amendment, suspension and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
 - g. There shall be no unauthorized discharge of wastewater or any other waste. For the purpose of this permit, an unauthorized discharge is considered to be any discharge of wastewater into or adjacent to water in the state at any location not permitted as an outfall or otherwise defined in the Other Requirements section of this permit.
 - h. In accordance with 30 TAC § 305.535(a), the permittee may allow any bypass to occur from a TPDES permitted facility which does not cause permitted effluent limitations to be exceeded or an unauthorized discharge to occur, but only if the bypass is also for essential maintenance to assure efficient operation.
 - i. The permittee is subject to administrative, civil, and criminal penalties, as applicable, under TWC §§ 7.051 - 7.075 (relating to Administrative Penalties), 7.101 - 7.111 (relating to Civil Penalties), and 7.141 - 7.202 (relating to Criminal Offenses and Penalties) for violations including, but not limited to, negligently or knowingly violating the federal CWA §§ 301, 302, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under the CWA § 402, or any requirement imposed in a pretreatment program approved under the CWA §§ 402 (a)(3) or 402 (b)(8).
3. Inspections and Entry
- a. Inspection and entry shall be allowed as prescribed in the TWC Chapters 26, 27, and 28, and THSC § 361.
 - b. The members of the Commission and employees and agents of the Commission are entitled to enter any public or private property at any reasonable time for the purpose of inspecting and investigating conditions relating to the quality of water in the state or the compliance with any rule, regulation, permit or other order of the Commission. Members, employees, or agents of the Commission and Commission contractors are entitled to enter public or private property at any reasonable time to investigate or monitor or, if the responsible party is not responsive or there is an immediate danger to public health or the environment, to remove or remediate a condition related to the quality of water in the state. Members, employees, Commission contractors, or agents acting under this authority who enter private property shall observe the establishment's rules and regulations concerning safety, internal security, and fire protection, and if the property has management in residence, shall notify management or the person then in charge of his presence and shall exhibit proper credentials. If any member, employee, Commission contractor, or agent is refused the right to enter in or on public or private property under this authority, the Executive Director may invoke the remedies authorized in TWC § 7.002. The statement above, that Commission entry shall occur in accordance with an establishment's rules and regulations concerning safety, internal security, and fire protection, is not grounds for denial or restriction of entry to any part of the facility, but merely describes the Commission's duty to observe appropriate rules and regulations during an inspection.

4. Permit Amendment and/or Renewal

- a. The permittee shall give notice to the Executive Director as soon as possible of any planned physical alterations or additions to the permitted facility if such alterations or additions would require a permit amendment or result in a violation of permit requirements. Notice shall also be required under this paragraph when:
 - i. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in accordance with 30 TAC § 305.534 (relating to New Sources and New Dischargers); or
 - ii. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are subject neither to effluent limitations in the permit, nor to notification requirements in Monitoring and Reporting Requirements No. 9; or
 - iii. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
- b. Prior to any facility modifications, additions, or expansions that will increase the plant capacity beyond the permitted flow, the permittee must apply for and obtain proper authorization from the Commission before commencing construction.
- c. The permittee must apply for an amendment or renewal at least 180 days prior to expiration of the existing permit in order to continue a permitted activity after the expiration date of the permit. If an application is submitted prior to the expiration date of the permit, the existing permit shall remain in effect until the application is approved, denied, or returned. If the application is returned or denied, authorization to continue such activity shall terminate upon the effective date of the action. If an application is not submitted prior to the expiration date of the permit, the permit shall expire and authorization to continue such activity shall terminate.
- d. Prior to accepting or generating wastes which are not described in the permit application or which would result in a significant change in the quantity or quality of the existing discharge, the permittee must report the proposed changes to the Commission. The permittee must apply for a permit amendment reflecting any necessary changes in permit conditions, including effluent limitations for pollutants not identified and limited by this permit.
- e. In accordance with the TWC § 26.029(b), after a public hearing, notice of which shall be given to the permittee, the Commission may require the permittee, from time to time, for good cause, in accordance with applicable laws, to conform to new or additional conditions.
- f. If any toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under CWA § 307(a) for a toxic pollutant which is present in the discharge and that standard or prohibition is more stringent than any limitation on the pollutant in this permit, this permit shall be modified or revoked and reissued to conform to the toxic effluent standard or

prohibition. The permittee shall comply with effluent standards or prohibitions established under CWA § 307(a) for toxic pollutants within the time provided in the regulations that established those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

5. Permit Transfer

- a. Prior to any transfer of this permit, Commission approval must be obtained. The Commission shall be notified in writing of any change in control or ownership of facilities authorized by this permit. Such notification should be sent to the Applications Review and Processing Team (MC 148) of the Water Quality Division.
- b. A permit may be transferred only according to the provisions of 30 TAC § 305.64 (relating to Transfer of Permits) and 30 TAC § 50.133 (relating to Executive Director Action on Application or WQMP update).

6. Relationship to Hazardous Waste Activities

This permit does not authorize any activity of hazardous waste storage, processing, or disposal that requires a permit or other authorization pursuant to the Texas Health and Safety Code.

7. Relationship to Water Rights

Disposal of treated effluent by any means other than discharge directly to water in the state must be specifically authorized in this permit and may require a permit pursuant to TWC Chapter 11.

8. Property Rights

A permit does not convey any property rights of any sort, or any exclusive privilege.

9. Permit Enforceability

The conditions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

10. Relationship to Permit Application

The application pursuant to which the permit has been issued is incorporated herein; provided, however, that in the event of a conflict between the provisions of this permit and the application, the provisions of the permit shall control.

11. Notice of Bankruptcy

- a. Each permittee shall notify the Executive Director, in writing, immediately following the filing of a voluntary or involuntary petition for bankruptcy under any chapter of Title 11 (Bankruptcy) of the United States Code (11 USC) by or against:
 - i. the permittee;
 - ii. an entity (as that term is defined in 11 USC, § 101(14)) controlling the permittee or listing the permit or permittee as property of the estate; or

- iii. an affiliate (as that term is defined in 11 USC, § 101(2)) of the permittee.
- b. This notification must indicate:
 - i. the name of the permittee;
 - ii. the permit number(s);
 - iii. the bankruptcy court in which the petition for bankruptcy was filed; and
 - iv. the date of filing of the petition.

OPERATIONAL REQUIREMENTS

1. The permittee shall at all times ensure that the facility and all of its systems of collection, treatment, and disposal are properly operated and maintained. This includes, but is not limited to, the regular, periodic examination of wastewater solids within the treatment plant by the operator in order to maintain an appropriate quantity and quality of solids inventory as described in the various operator training manuals and according to accepted industry standards for process control. Process control, maintenance, and operations records shall be retained at the facility site, or shall be readily available for review by a TCEQ representative, for a period of three years.
2. Upon request by the Executive Director, the permittee shall take appropriate samples and provide proper analysis in order to demonstrate compliance with Commission rules. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall comply with all applicable provisions of 30 TAC Chapter 312 concerning sewage sludge or biosolids use and disposal and 30 TAC §§ 319.21 - 319.29 concerning the discharge of certain hazardous metals.
3. Domestic wastewater treatment facilities shall comply with the following provisions:
 - a. The permittee shall notify the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, in writing, of any facility expansion at least 90 days prior to conducting such activity.
 - b. The permittee shall submit a closure plan for review and approval to the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, for any closure activity at least 90 days prior to conducting such activity. Closure is the act of permanently taking a waste management unit or treatment facility out of service and includes the permanent removal from service of any pit, tank, pond, lagoon, surface impoundment and/or other treatment unit regulated by this permit.
4. The permittee is responsible for installing prior to plant start-up, and subsequently maintaining, adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures by means of alternate power sources, standby generators, and/or retention of inadequately treated wastewater.
5. Unless otherwise specified, the permittee shall provide a readily accessible sampling point and, where applicable, an effluent flow measuring device or other acceptable means by which effluent flow may be determined.

6. The permittee shall remit an annual water quality fee to the Commission as required by 30 TAC Chapter 21. Failure to pay the fee may result in revocation of this permit under TWC § 7.302(b)(6).
7. Documentation

For all written notifications to the Commission required of the permittee by this permit, the permittee shall keep and make available a copy of each such notification under the same conditions as self-monitoring data are required to be kept and made available. Except for information required for TPDES permit applications, effluent data, including effluent data in permits, draft permits and permit applications, and other information specified as not confidential in 30 TAC §§ 1.5(d), any information submitted pursuant to this permit may be claimed as confidential by the submitter. Any such claim must be asserted in the manner prescribed in the application form or by stamping the words confidential business information on each page containing such information. If no claim is made at the time of submission, information may be made available to the public without further notice. If the Commission or Executive Director agrees with the designation of confidentiality, the TCEQ will not provide the information for public inspection unless required by the Texas Attorney General or a court pursuant to an open records request. If the Executive Director does not agree with the designation of confidentiality, the person submitting the information will be notified.

8. Facilities that generate domestic wastewater shall comply with the following provisions; domestic wastewater treatment facilities at permitted industrial sites are excluded.
 - a. Whenever flow measurements for any domestic sewage treatment facility reach 75% of the permitted daily average or annual average flow for three consecutive months, the permittee must initiate engineering and financial planning for expansion and/or upgrading of the domestic wastewater treatment and/or collection facilities. Whenever the flow reaches 90% of the permitted daily average or annual average flow for three consecutive months, the permittee shall obtain necessary authorization from the Commission to commence construction of the necessary additional treatment and/or collection facilities. In the case of a domestic wastewater treatment facility which reaches 75% of the permitted daily average or annual average flow for three consecutive months, and the planned population to be served or the quantity of waste produced is not expected to exceed the design limitations of the treatment facility, the permittee shall submit an engineering report supporting this claim to the Executive Director of the Commission.

If in the judgment of the Executive Director the population to be served will not cause permit noncompliance, then the requirement of this section may be waived. To be effective, any waiver must be in writing and signed by the Director of the Enforcement Division (MC 219) of the Commission, and such waiver of these requirements will be reviewed upon expiration of the existing permit; however, any such waiver shall not be interpreted as condoning or excusing any violation of any permit parameter.

- b. The plans and specifications for domestic sewage collection and treatment works associated with any domestic permit must be approved by the Commission and failure to secure approval before commencing construction of such works or making a discharge is a violation of this permit and each day is an additional violation until approval has been secured.

- c. Permits for domestic wastewater treatment plants are granted subject to the policy of the Commission to encourage the development of area-wide waste collection, treatment, and disposal systems. The Commission reserves the right to amend any domestic wastewater permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, should such be developed; to require the delivery of the wastes authorized to be collected in, treated by or discharged from said system, to such area-wide system; or to amend this permit in any other particular to effectuate the Commission's policy. Such amendments may be made when the changes required are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment or disposal system.
9. Domestic wastewater treatment plants shall be operated and maintained by sewage plant operators holding a valid certificate of competency at the required level as defined in 30 TAC Chapter 30.
10. For Publicly Owned Treatment Works (POTWs), the 30-day average (or monthly average) percent removal for BOD and TSS shall not be less than 85%, unless otherwise authorized by this permit.
11. Facilities that generate industrial solid waste as defined in 30 TAC § 335.1 shall comply with these provisions:
 - a. Any solid waste, as defined in 30 TAC § 335.1 (including but not limited to such wastes as garbage, refuse, sludge from a waste treatment, water supply treatment plant or air pollution control facility, discarded materials, discarded materials to be recycled, whether the waste is solid, liquid, or semisolid), generated by the permittee during the management and treatment of wastewater, must be managed in accordance with all applicable provisions of 30 TAC Chapter 335, relating to Industrial Solid Waste Management.
 - b. Industrial wastewater that is being collected, accumulated, stored, or processed before discharge through any final discharge outfall, specified by this permit, is considered to be industrial solid waste until the wastewater passes through the actual point source discharge and must be managed in accordance with all applicable provisions of 30 TAC Chapter 335.
 - c. The permittee shall provide written notification, pursuant to the requirements of 30 TAC § 335.8(b)(1), to the Corrective Action Section (MC 127) of the Remediation Division informing the Commission of any closure activity involving an Industrial Solid Waste Management Unit, at least 90 days prior to conducting such an activity.
 - d. Construction of any industrial solid waste management unit requires the prior written notification of the proposed activity to the Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division. No person shall dispose of industrial solid waste, including sludge or other solids from wastewater treatment processes, prior to fulfilling the deed recordation requirements of 30 TAC § 335.5.
 - e. The term "industrial solid waste management unit" means a landfill, surface impoundment, waste-pile, industrial furnace, incinerator, cement kiln, injection well,

container, drum, salt dome waste containment cavern, or any other structure vessel, appurtenance, or other improvement on land used to manage industrial solid waste.

- f. The permittee shall keep management records for all sludge (or other waste) removed from any wastewater treatment process. These records shall fulfill all applicable requirements of 30 TAC § 335 and must include the following, as it pertains to wastewater treatment and discharge:
 - i. Volume of waste and date(s) generated from treatment process;
 - ii. Volume of waste disposed of on-site or shipped off-site;
 - iii. Date(s) of disposal;
 - iv. Identity of hauler or transporter;
 - v. Location of disposal site; and
 - vi. Method of final disposal.

The above records shall be maintained on a monthly basis. The records shall be retained at the facility site, or shall be readily available for review by authorized representatives of the TCEQ for at least five years.

12. For industrial facilities to which the requirements of 30 TAC § 335 do not apply, sludge and solid wastes, including tank cleaning and contaminated solids for disposal, shall be disposed of in accordance with THSC § 361.

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SLUDGE PROVISIONS

The permittee is authorized to dispose of sludge only at a Texas Commission on Environmental Quality (TCEQ) authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge. **The disposal of sludge or biosolids by land application on property owned, leased or under the direct control of the permittee is a violation of the permit unless the site is authorized with the TCEQ. This provision does not authorize Distribution and Marketing of Class A or Class AB Biosolids. This provision does not authorize the permittee to land apply biosolids on property owned, leased or under the direct control of the permittee.**

SECTION I. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE OR BIOSOLIDS LAND APPLICATION

A. General Requirements

1. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC § 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge or biosolids.
2. In all cases, if the person (permit holder) who prepares the sewage sludge supplies the sewage sludge to another person for land application use or to the owner or lease holder of the land, the permit holder shall provide necessary information to the parties who receive the sludge to assure compliance with these regulations.
3. The land application of processed or unprocessed chemical toilet waste, grease trap waste, grit trap waste, milk solids, or similar non-hazardous municipal or industrial solid wastes, or any of the wastes listed in this provision combined with biosolids, WTP residuals or domestic septage is prohibited unless the grease trap waste is added at a fats, oil and grease (FOG) receiving facility as part of an anaerobic digestion process.

B. Testing Requirements

1. Sewage sludge or biosolids shall be tested once during the term of this permit for the Interim phase, and annually, for the Final phase in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I [Toxicity Characteristic Leaching Procedure (TCLP)] or other method that receives the prior approval of the TCEQ for the contaminants listed in 40 CFR Part 261.24, Table 1. Sewage sludge or biosolids failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal. Following failure of any TCLP test, the management or disposal of sewage sludge or biosolids at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge or biosolids no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division and the Regional Director (MC Region 11) within seven (7) days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped, and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Permitting and Registration Support Division (MC 129), Texas Commission on Environmental Quality, P.O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. This annual report shall be submitted to the TCEQ Regional Office (MC Region 11) and the Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

2. Biosolids shall not be applied to the land if the concentration of the pollutants exceeds the pollutant concentration criteria in Table 1. The frequency of testing for pollutants in Table 1 is found in Section I.C. of this permit.

TABLE 1

<u>Pollutant</u>	<u>Ceiling Concentration</u> <u>(Milligrams per kilogram)*</u>
Arsenic	75
Cadmium	85
Chromium	3000
Copper	4300
Lead	840
Mercury	57
Molybdenum	75
Nickel	420
PCBs	49
Selenium	100
Zinc	7500

* Dry weight basis

3. Pathogen Control

All sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site must be treated by one of the following methods to ensure that the sludge meets either the Class A, Class AB or Class B biosolids pathogen requirements.

- a. For sewage sludge to be classified as Class A biosolids with respect to pathogens, the density of fecal coliform in the sewage sludge must be less than 1,000 most probable number (MPN) per gram of total solids (dry weight basis), or the density of *Salmonella* sp. bacteria in the sewage sludge must be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met:

Alternative 1 - The temperature of the sewage sludge that is used or disposed shall be maintained at or above a specific value for a period of time. See 30 TAC § 312.82(a)(2)(A) for specific information;

Alternative 5 (PFRP) - Sewage sludge that is used or disposed of must be treated in one of the Processes to Further Reduce Pathogens (PFRP) described in 40 CFR Part 503, Appendix B. PFRP include composting, heat drying, heat treatment, and thermophilic aerobic digestion; or

Alternative 6 (PFRP Equivalent) - Sewage sludge that is used or disposed of must be treated in a process that has been approved by the U. S. Environmental Protection Agency as being equivalent to those in Alternative 5.

- b. For sewage sludge to be classified as Class AB biosolids with respect to pathogens, the density of fecal coliform in the sewage sludge must be less than 1,000 MPN per gram of total solids (dry weight basis), or the density of *Salmonella* sp. bacteria in the sewage sludge be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met:

Alternative 2 - The pH of the sewage sludge that is used or disposed shall be raised to above 12 std. units and shall remain above 12 std. units for 72 hours.

The temperature of the sewage sludge shall be above 52° Celsius for 12 hours or longer during the period that the pH of the sewage sludge is above 12 std. units.

At the end of the 72-hour period during which the pH of the sewage sludge is above 12 std. units, the sewage sludge shall be air dried to achieve a percent solids in the sewage sludge greater than 50%; or

Alternative 3 - The sewage sludge shall be analyzed for enteric viruses prior to pathogen treatment. The limit for enteric viruses is less than one Plaque-forming Unit per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(i-iii) for specific information. The sewage sludge shall be analyzed for viable helminth ova prior to pathogen treatment. The limit for viable helminth ova is less than one per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(iv-vi) for specific information; or

Alternative 4 - The density of enteric viruses in the sewage sludge shall be less than one Plaque-forming Unit per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. The density of viable helminth ova in the sewage sludge shall be less than one per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed.

- c. Sewage sludge that meets the requirements of Class AB biosolids may be classified a Class A biosolids if a variance request is submitted in writing that is supported by substantial documentation demonstrating equivalent methods for reducing odors and written approval is granted by the executive director. The executive director may deny the variance request or revoke that approved variance if it is determined that the variance may potentially endanger human health or the environment, or create nuisance odor conditions.
- d. Three alternatives are available to demonstrate compliance with Class B biosolids criteria.

Alternative 1

- i. A minimum of seven random samples of the sewage sludge shall be collected within 48 hours of the time the sewage sludge is used or disposed of during each monitoring episode for the sewage sludge.
- ii. The geometric mean of the density of fecal coliform in the samples collected shall be less than either 2,000,000 MPN per gram of total solids (dry weight basis) or 2,000,000 Colony Forming Units per gram of total solids (dry weight basis).

Alternative 2 - Sewage sludge that is used or disposed of shall be treated in one of the Processes to Significantly Reduce Pathogens (PSRP) described in 40 CFR Part 503, Appendix B, so long as all of the following requirements are met by the generator of the sewage sludge.

- i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;
- ii. An independent Texas Licensed Professional Engineer must make a certification to the generator of a sewage sludge that the wastewater treatment facility generating the sewage sludge is designed to achieve one of the PSRP at the permitted design loading of the facility. The certification need only be repeated if the design loading of the facility is increased. The certification shall include a statement indicating the design meets all the applicable standards specified in Appendix B of 40 CFR Part 503;
- iii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;
- iv. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review; and
- v. If the sewage sludge is generated from a mixture of sources, resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the PSRP, and shall meet the certification, operation, and record keeping requirements of this paragraph.

Alternative 3 - Sewage sludge shall be treated in an equivalent process that has been approved by the U.S. Environmental Protection Agency, so long as all of the following requirements are met by the generator of the sewage sludge.

- i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;

- ii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;
- iii. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review;
- iv. The Executive Director will accept from the U.S. Environmental Protection Agency a finding of equivalency to the defined PSRP; and
- v. If the sewage sludge is generated from a mixture of sources resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the Processes to Significantly Reduce Pathogens, and shall meet the certification, operation, and record keeping requirements of this paragraph.

In addition to the Alternatives 1 – 3, the following site restrictions must be met if Class B biosolids are land applied:

- i. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after application of biosolids.
- ii. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of biosolids when the biosolids remain on the land surface for 4 months or longer prior to incorporation into the soil.
- iii. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months after application of biosolids when the biosolids remain on the land surface for less than 4 months prior to incorporation into the soil.
- iv. Food crops, feed crops, and fiber crops shall not be harvested for 30 days after application of biosolids.
- v. Domestic livestock shall not be allowed to graze on the land for 30 days after application of biosolids.
- vi. Turf grown on land where biosolids are applied shall not be harvested for 1 year after application of the biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn.
- vii. Public access to land with a high potential for public exposure shall be restricted for 1 year after application of biosolids.

viii. Public access to land with a low potential for public exposure shall be restricted for 30 days after application of biosolids.

ix. Land application of biosolids shall be in accordance with the buffer zone requirements found in 30 TAC § 312.44.

4. Vector Attraction Reduction Requirements

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site shall be treated by one of the following Alternatives 1 through 10 for vector attraction reduction.

Alternative 1 - The mass of volatile solids in the sewage sludge shall be reduced by a minimum of 38%.

Alternative 2 - If Alternative 1 cannot be met for an anaerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge anaerobically in the laboratory in a bench-scale unit for 40 additional days at a temperature between 30° and 37° Celsius. Volatile solids must be reduced by less than 17% to demonstrate compliance.

Alternative 3 - If Alternative 1 cannot be met for an aerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge with percent solids of two percent or less aerobically in the laboratory in a bench-scale unit for 30 additional days at 20° Celsius. Volatile solids must be reduced by less than 15% to demonstrate compliance.

Alternative 4 - The specific oxygen uptake rate (SOUR) for sewage sludge treated in an aerobic process shall be equal to or less than 1.5 milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20° Celsius.

Alternative 5 - Sewage sludge shall be treated in an aerobic process for 14 days or longer. During that time, the temperature of the sewage sludge shall be higher than 40° Celsius and the average temperature of the sewage sludge shall be higher than 45° Celsius.

Alternative 6 - The pH of sewage sludge shall be raised to 12 or higher by alkali addition and, without the addition of more alkali shall remain at 12 or higher for two hours and then remain at a pH of 11.5 or higher for an additional 22 hours at the time the sewage sludge is prepared for sale or given away in a bag or other container.

Alternative 7 - The percent solids of sewage sludge that does not contain unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 75% based on the moisture content and total solids prior to mixing with other materials. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 8 - The percent solids of sewage sludge that contains unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 90% based on the moisture content and total solids prior to mixing with other materials at the time the sludge is used. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 9 -

- i. Biosolids shall be injected below the surface of the land.
- ii. No significant amount of the biosolids shall be present on the land surface within one hour after the biosolids are injected.
- iii. When sewage sludge that is injected below the surface of the land is Class A or Class AB with respect to pathogens, the biosolids shall be injected below the land surface within eight hours after being discharged from the pathogen treatment process.

Alternative 10 -

- i. Biosolids applied to the land surface or placed on a surface disposal site shall be incorporated into the soil within six hours after application to or placement on the land.
- ii. When biosolids that are incorporated into the soil is Class A or Class AB with respect to pathogens, the biosolids shall be applied to or placed on the land within eight hours after being discharged from the pathogen treatment process.

C. Monitoring Requirements

Toxicity Characteristic Leaching Procedure (TCLP) Test PCBs	- once during the term of this permit for Interim phase and annually for Final phase - once during the term of this permit for Interim phase and annually for Final phase
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All metal constituents and fecal coliform or *Salmonella* sp. bacteria shall be monitored at the appropriate frequency shown below, pursuant to 30 TAC § 312.46(a)(1):

<u>Amount of biosolids (*) metric tons per 365-day period</u>	<u>Monitoring Frequency</u>
0 to less than 290	Once/Year
290 to less than 1,500	Once/Quarter
1,500 to less than 15,000	Once/Two Months
15,000 or greater	Once/Month

(*) *The amount of bulk biosolids applied to the land (dry wt. basis).*

Representative samples of sewage sludge shall be collected and analyzed in accordance with the methods referenced in 30 TAC § 312.7

Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal coliforms, helminth ova, *Salmonella* sp., and other regulated parameters.

Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

Identify the nature of material generated by the facility (such as a biosolid for beneficial use or land-farming, or sewage sludge or biosolids for disposal at a monofill) and whether the material is ultimately conveyed off-site in bulk or in bags.

SECTION II. REQUIREMENTS SPECIFIC TO BULK SEWAGE SLUDGE OR BIOSOLIDS FOR APPLICATION TO THE LAND MEETING CLASS A, CLASS AB or B PATHOGEN REDUCTION AND THE CUMULATIVE LOADING RATES IN TABLE 2, OR CLASS B PATHOGEN REDUCTION AND THE POLLUTANT CONCENTRATIONS IN TABLE 3

For those permittees meeting Class A, Class AB or B pathogen reduction requirements and that meet the cumulative loading rates in Table 2 below, or the Class B pathogen reduction requirements and contain concentrations of pollutants below listed in Table 3, the following conditions apply:

A. Pollutant Limits

Table 2

<u>Pollutant</u>	<u>Cumulative Pollutant Loading Rate (pounds per acre)*</u>
Arsenic	36
Cadmium	35
Chromium	2677
Copper	1339
Lead	268
Mercury	15
Molybdenum	Report Only
Nickel	375
Selenium	89
Zinc	2500

Table 3

<u>Pollutant</u>	<u>Monthly Average Concentration (milligrams per kilogram)*</u>
Arsenic	41
Cadmium	39
Chromium	1200
Copper	1500
Lead	300
Mercury	17
Molybdenum	Report Only
Nickel	420
Selenium	36
Zinc	2800

*Dry weight basis

B. Pathogen Control

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, a reclamation site, shall be treated by either Class A, Class AB or Class B biosolids pathogen reduction requirements as defined above in Section I.B.3.

C. Management Practices

1. Bulk biosolids shall not be applied to agricultural land, forest, a public contact site, or a reclamation site that is flooded, frozen, or snow-covered so that the bulk sewage sludge enters a wetland or other waters in the State.
2. Bulk biosolids not meeting Class A requirements shall be land applied in a manner which complies with Applicability in accordance with 30 TAC §312.41 and the Management Requirements in accordance with 30 TAC § 312.44.
3. Bulk biosolids shall be applied at or below the agronomic rate of the cover crop.
4. An information sheet shall be provided to the person who receives bulk Class A or AB biosolids sold or given away. The information sheet shall contain the following information:
 - a. The name and address of the person who prepared the Class A or AB biosolids that are sold or given away in a bag or other container for application to the land.
 - b. A statement that application of the biosolids to the land is prohibited except in accordance with the instruction on the label or information sheet.
 - c. The annual whole sludge application rate for the biosolids application rate for the biosolids that does not cause any of the cumulative pollutant loading rates in Table 2 above to be exceeded, unless the pollutant concentrations in Table 3 found in Section II above are met.

D. Notification Requirements

1. If bulk biosolids are applied to land in a State other than Texas, written notice shall be provided prior to the initial land application to the permitting authority for the State in which the bulk biosolids are proposed to be applied. The notice shall include:
 - a. The location, by street address, and specific latitude and longitude, of each land application site.
 - b. The approximate time period bulk biosolids will be applied to the site.
 - c. The name, address, telephone number, and National Pollutant Discharge Elimination System permit number (if appropriate) for the person who will apply the bulk biosolids.
2. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the biosolids disposal practice.

E. Record Keeping Requirements

The documents will be retained at the facility site and/or shall be readily available for review by a TCEQ representative. The person who prepares bulk sewage sludge or a biosolids material shall develop the following information and shall retain the information at the facility site and/or shall be readily available for review by a TCEQ representative for a

period of five years. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply.

1. The concentration (mg/kg) in the sludge of each pollutant listed in Table 3 above and the applicable pollutant concentration criteria (mg/kg), or the applicable cumulative pollutant loading rate and the applicable cumulative pollutant loading rate limit (lbs/ac) listed in Table 2 above.
2. A description of how the pathogen reduction requirements are met (including site restrictions for Class AB and Class B biosolids, if applicable).
3. A description of how the vector attraction reduction requirements are met.
4. A description of how the management practices listed above in Section II.C are being met.
5. The following certification statement:

"I certify, under penalty of law, that the applicable pathogen requirements in 30 TAC § 312.82(a) or (b) and the vector attraction reduction requirements in 30 TAC § 312.83(b) have been met for each site on which bulk biosolids are applied. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the management practices have been met. I am aware that there are significant penalties for false certification including fine and imprisonment."

6. The recommended agronomic loading rate from the references listed in Section II.C.3. above, as well as the actual agronomic loading rate shall be retained. The person who applies bulk biosolids shall develop the following information and shall retain the information at the facility site and/or shall be readily available for review by a TCEQ representative indefinitely. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply:
 - a. A certification statement that all applicable requirements (specifically listed) have been met, and that the permittee understands that there are significant penalties for false certification including fine and imprisonment. See 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii), as applicable, and to the permittee's specific sludge treatment activities.
 - b. The location, by street address, and specific latitude and longitude, of each site on which biosolids are applied.
 - c. The number of acres in each site on which bulk biosolids are applied.
 - d. The date and time biosolids are applied to each site.
 - e. The cumulative amount of each pollutant in pounds/acre listed in Table 2 applied to each site.
 - f. The total amount of biosolids applied to each site in dry tons.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

F. Reporting Requirements

The permittee shall report annually to the TCEQ Regional Office (MC Region 11) and Compliance Monitoring Team (MC 224) of the Enforcement Division, by September 30th of each year the following information. The permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.
2. Identify the nature of material generated by the facility (such as a biosolid for beneficial use or land-farming, or sewage sludge for disposal at a monofill) and whether the material is ultimately conveyed off-site in bulk or in bags.
3. Results of tests performed for pollutants found in either Table 2 or 3 as appropriate for the permittee's land application practices.
4. The frequency of monitoring listed in Section I.C. that applies to the permittee.
5. Toxicity Characteristic Leaching Procedure (TCLP) results.
6. PCB concentration in sludge or biosolids in mg/kg.
7. Identity of hauler(s) and TCEQ transporter number.
8. Date(s) of transport.
9. Texas Commission on Environmental Quality registration number, if applicable.
10. Amount of sludge or biosolids disposal dry weight (lbs/acre) at each disposal site.
11. The concentration (mg/kg) in the sludge of each pollutant listed in Table 1 (defined as a monthly average) as well as the applicable pollutant concentration criteria (mg/kg) listed in Table 3 above, or the applicable pollutant loading rate limit (lbs/acre) listed in Table 2 above if it exceeds 90% of the limit.
12. Level of pathogen reduction achieved (Class A, Class AB or Class B).
13. Alternative used as listed in Section I.B.3.(a. or b.). Alternatives describe how the pathogen reduction requirements are met. If Class B biosolids, include information on how site restrictions were met.
14. Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal coliforms, helminth ova, *Salmonella* sp., and other regulated parameters.
15. Vector attraction reduction alternative used as listed in Section I.B.4.

16. Amount of sludge or biosolids transported in dry tons/year.
17. The certification statement listed in either 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii) as applicable to the permittee's sludge or biosolids treatment activities, shall be attached to the annual reporting form.
18. When the amount of any pollutant applied to the land exceeds 90% of the cumulative pollutant loading rate for that pollutant, as described in Table 2, the permittee shall report the following information as an attachment to the annual reporting form.
 - a. The location, by street address, and specific latitude and longitude.
 - b. The number of acres in each site on which bulk biosolids are applied.
 - c. The date and time bulk biosolids are applied to each site.
 - d. The cumulative amount of each pollutant (i.e., pounds/acre) listed in Table 2 in the bulk biosolids applied to each site.
 - e. The amount of biosolids (i.e., dry tons) applied to each site.

The above records shall be maintained on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

SECTION III. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE OR BIOSOLIDS DISPOSED IN A MUNICIPAL SOLID WASTE LANDFILL

- A. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC § 330 and all other applicable state and federal regulations to protect public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present. The permittee shall ensure that the sewage sludge meets the requirements in 30 TAC § 330 concerning the quality of the sludge or biosolids disposed in a municipal solid waste landfill.
- B. If the permittee generates sewage sludge and supplies that sewage sludge or biosolids to the owner or operator of a municipal solid waste landfill (MSWLF) for disposal, the permittee shall provide to the owner or operator of the MSWLF appropriate information needed to be in compliance with the provisions of this permit.
- C. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge or biosolids disposal practice.
- D. Sewage sludge or biosolids shall be tested once during the term of this permit for Interim phase and annually for Final phase in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I (Toxicity Characteristic Leaching Procedure) or other method, which receives the prior approval of the TCEQ for contaminants listed in Table 1 of 40 CFR § 261.24. Sewage sludge or biosolids failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal.

Following failure of any TCLP test, the management or disposal of sewage sludge or biosolids at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge or biosolids no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division and the Regional Director (MC Region 11) of the appropriate TCEQ field office within 7 days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped, and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Permitting and Registration Support Division (MC 129), Texas Commission on Environmental Quality, P. O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. This annual report shall be submitted to the TCEQ Regional Office (MC Region 11) and the Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30 of each year.

- E. Sewage sludge or biosolids shall be tested as needed, in accordance with the requirements of 30 TAC Chapter 330.
- F. Record Keeping Requirements

The permittee shall develop the following information and shall retain the information for five years.

1. The description (including procedures followed and the results) of all liquid Paint Filter Tests performed.
2. The description (including procedures followed and results) of all TCLP tests performed.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

G. Reporting Requirements

The permittee shall report annually to the TCEQ Regional Office (MC Region 11) and Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30th of each year the following information. The permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.
2. Toxicity Characteristic Leaching Procedure (TCLP) results.
3. Annual sludge or biosolids production in dry tons/year.
4. Amount of sludge or biosolids disposed in a municipal solid waste landfill in dry tons/year.
5. Amount of sludge or biosolids transported interstate in dry tons/year.
6. A certification that the sewage sludge or biosolids meets the requirements of 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.
7. Identity of hauler(s) and transporter registration number.
8. Owner of disposal site(s).
9. Location of disposal site(s).
10. Date(s) of disposal.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

SECTION IV. REQUIREMENTS APPLYING TO SLUDGE OR BIOSOLIDS TRANSPORTED TO ANOTHER FACILITY FOR FURTHER PROCESSING

These provisions apply to sludge or biosolids that is transported to another wastewater treatment facility or facility that further processes sludge or biosolids. These provisions are intended to allow transport of sludge or biosolids to facilities that have been authorized to accept sludge or biosolids. These provisions do not limit the ability of the receiving facility to determine whether to accept the sludge or biosolids, nor do they limit the ability of the receiving facility to request additional testing or documentation.

A. General Requirements

1. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC Chapter 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge.
2. Sludge or biosolids may only be transported using a registered transporter or using an approved pipeline.

B. Record Keeping Requirements

1. For sludge transported by an approved pipeline, the permittee must maintain records of the following:
 - a. the amount of sludge or biosolids transported;
 - b. the date of transport;
 - c. the name and TCEQ permit number of the receiving facility or facilities;
 - d. the location of the receiving facility or facilities;
 - e. the name and TCEQ permit number of the facility that generated the waste; and
 - f. copy of the written agreement between the permittee and the receiving facility to accept sludge or biosolids.
2. For sludge or biosolids transported by a registered transporter, the permittee must maintain records of the completed trip tickets in accordance with 30 TAC § 312.145(a)(1)-(7) and amount of sludge or biosolids transported.
3. The above records shall be maintained on-site on a monthly basis and shall be made available to the TCEQ upon request. These records shall be retained for at least five years.

C. Reporting Requirements

The permittee shall report the following information annually to the TCEQ Regional Office (MC Region 11) and Compliance Monitoring Team (MC 224) of the Enforcement Division, by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver.

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.
2. the annual sludge or biosolids production;
3. the amount of sludge or biosolids transported;
4. the owner of each receiving facility;
5. the location of each receiving facility; and
6. the date(s) of disposal at each receiving facility.

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OTHER REQUIREMENTS

1. The permittee shall employ or contract with one or more licensed wastewater treatment facility operators or wastewater system operations companies holding a valid license or registration according to the requirements of 30 TAC Chapter 30, Occupational Licenses and Registrations, and in particular 30 TAC Chapter 30, Subchapter J, Wastewater Operators and Operations Companies.

This Category C facility in the Interim phase and Category B facility in the Final phase must be operated by a chief operator or an operator holding a Class C license or higher in the Interim phase, and Class B license or higher in the Final phase. The facility must be operated a minimum of five days per week by the licensed chief operator or an operator holding the required level of license or higher. The licensed chief operator or operator holding the required level of license or higher must be available by telephone or pager seven days per week. Where shift operation of the wastewater treatment facility is necessary, each shift that does not have the on-site supervision of the licensed chief operator must be supervised by an operator in charge who is licensed not less than one level below the category for the facility.

2. The facility is not located in the Coastal Management Program boundary.
3. There is no mixing zone established for this discharge to an intermittent stream with perennial pools. Chronic toxic criteria apply at the point of discharge.
4. On May 31, 2018, the permittee submitted sufficient evidence of legal restrictions prohibiting residential structures within the part of the buffer zone not owned by the permittee in the Interim phase according to 30 TAC § 309.13(e)(3). The permittee shall also comply with the requirements of 30 TAC § 309.13(a) through (d). See Attachment A.

Prior to construction of the Final phase, the permittee shall submit sufficient evidence of legal restrictions prohibiting residential structures within the part of the buffer zone not owned by the permittee according to 30 TAC § 309.13(e)(3). The evidence of legal restrictions shall be submitted to the Executive Director in care of the TCEQ Wastewater Permitting Section (MC 148). The permittee shall comply with the requirements of 30 TAC § 309.13(a) through (d). See Attachment A1.

5. The permittee shall provide facilities for the protection of its wastewater treatment facility from a 100-year flood.
6. In accordance with 30 TAC § 319.9, a permittee that has at least twelve months of uninterrupted compliance with its bacteria limit may notify the commission in writing of its compliance and request a less frequent measurement schedule. To request a less frequent schedule, the permittee shall submit a written request to the TCEQ Wastewater Permitting Section (MC 148) for each phase that includes a different monitoring frequency. The request must contain all of the reported bacteria values (Daily Avg. and Daily Max/Single Grab) for the twelve consecutive months immediately prior to the request. If the Executive Director finds that a less frequent measurement schedule is protective of human health and the environment, the permittee may be given a less frequent measurement schedule. For this permit, two/month may be reduced to one/month in the Interim phase, and one/week may be reduced to two/month in the Final phase. **A violation of any bacteria limit by a facility that has been granted a less frequent measurement schedule will require the permittee to return to the standard frequency schedule and submit**

written notice to the TCEQ Wastewater Permitting Section (MC 148). The permittee may not apply for another reduction in measurement frequency for at least 24 months from the date of the last violation. The Executive Director may establish a more frequent measurement schedule if necessary to protect human health or the environment.

7. Plans and specifications have been approved for the 2.0 MGD wastewater treatment facility, in accordance with 30 TAC § 217, Design Criteria for Domestic Wastewater Systems. A summary transmittal approval letter was issued on July 11, 2023 (Log No. 0623/092). A copy of the summary transmittal letter shall be available at the plant site for inspection by authorized representatives of the TCEQ.
8. The permittee shall notify the TCEQ Regional Office (MC Region 11) and the Applications Review and Processing Team (MC 148) of the Water Quality Division, in writing at least forty-five days prior to the completion of the Final phase facilities, on Notification of Completion Form 20007.
9. The permittee shall conduct a total phosphorus (TP) impact study on the first pond downstream of the outfall. Within 180 days of completion of the Final phase facilities, the permittee shall submit a TP impact study work plan to the TCEQ Standards Implementation Team (MC 150) and the TCEQ Compliance Monitoring Team (MC-224). The TCEQ may disapprove or modify the work plan within 60 days of receipt, with no response being equivalent to approval. The work plan shall include the following: effluent TP sampling at a minimum frequency of twice per week, pond water quality sampling to assess algal growth, and annual progress reporting. Sampling shall be conducted during periods representative of typical influent TP concentrations. The duration of the study shall be 3 years from the date of implementation, and annual progress reports shall be submitted by December 31st of each year to the TCEQ Standards Implementation (MC150). Prior to the expiration of the issued permit, a final report shall be submitted to the TCEQ Compliance Monitoring Team (MC-224) and cc'ed to the Standards Implementation Team (MC 150).

BIOMONITORING REQUIREMENTS**CHRONIC BIOMONITORING REQUIREMENTS: FRESHWATER**

The provisions of this section apply to Outfall 001 for whole effluent toxicity (WET) testing.

1. Scope, Frequency, and Methodology

- a. The permittee shall test the effluent for toxicity in accordance with the provisions below. Such testing will determine if an appropriately dilute effluent sample adversely affects the survival, reproduction, or growth of the test organisms.
- b. Within 90 days of initial discharge of the 2.0 MGD facility, the permittee shall conduct the following toxicity tests using the test organisms, procedures and quality assurance requirements specified in this part of this permit and in accordance with "Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms," fourth edition (EPA-821-R-02-013) or its most recent update:
 - 1) Chronic static renewal survival and reproduction test using the water flea (*Ceriodaphnia dubia*) (Method 1002.0). This test should be terminated when 60% of the surviving adults in the control produce three broods or at the end of eight days, whichever occurs first. This test shall be conducted once per quarter.
 - 2) Chronic static renewal 7-day larval survival and growth test using the fathead minnow (*Pimephales promelas*) (Method 1000.0). A minimum of five replicates with eight organisms per replicate shall be used in the control and in each dilution. This test shall be conducted once per quarter.

The permittee must perform and report a valid test for each test species during the prescribed reporting period. An invalid test must be repeated during the same reporting period. An invalid test is defined as any test failing to satisfy the test acceptability criteria, procedures, and quality assurance requirements specified in the test methods and permit.

- c. The permittee shall use five effluent dilution concentrations and a control in each toxicity test. These effluent dilution concentrations are 32%, 42%, 56%, 75%, and 100% effluent. The critical dilution, defined as 100% effluent, is the effluent concentration representative of the proportion of effluent in the receiving water during critical low flow or critical mixing conditions.
- d. This permit may be amended to require a WET limit, a chemical-specific effluent limit, a best management practice, or other appropriate actions to address toxicity. The permittee may be required to conduct a toxicity reduction evaluation (TRE) after multiple toxic events.
- e. Testing Frequency Reduction
 - 1) If none of the first four consecutive quarterly tests demonstrates

significant toxicity, the permittee may submit this information in writing and, upon approval, reduce the testing frequency to once per six months for the invertebrate test species and once per year for the vertebrate test species.

- 2) If one or more of the first four consecutive quarterly tests demonstrates significant toxicity, the permittee shall continue quarterly testing for that species until this permit is reissued. If a testing frequency reduction had been previously granted and a subsequent test demonstrates significant toxicity, the permittee shall resume a quarterly testing frequency for that species until this permit is reissued.

2. Required Toxicity Testing Conditions

- a. Test Acceptance - The permittee shall repeat any toxicity test, including the control and all effluent dilutions, which fail to meet the following criteria:
 - 1) a control mean survival of 80% or greater;
 - 2) a control mean number of water flea neonates per surviving adult of 15 or greater;
 - 3) a control mean dry weight of surviving fathead minnow larvae of 0.25 mg or greater;
 - 4) a control coefficient of variation percent (CV%) of 40 or less in between replicates for the young of surviving females in the water flea test; and the growth and survival endpoints in the fathead minnow test;
 - 5) a critical dilution CV% of 40 or less for young of surviving females in the water flea test; and the growth and survival endpoints for the fathead minnow test, unless statistically significant toxicity is demonstrated at the critical dilution, in which case the test shall be considered valid;
 - 6) a percent minimum significant difference of 47 or less for water flea reproduction; and
 - 7) a PMSD of 30 or less for fathead minnow growth.
- b. Statistical Interpretation
 - 1) For the water flea survival and reproduction test, the statistical analyses used to determine the inhibition concentration of effluent that would cause a 25% reduction (IC₂₅) in survival or mean young per female shall be as described in the methods manual referenced in Part 1.b.
 - 2) For the fathead minnow larval survival and growth tests, the statistical analyses used to determine the IC₂₅ in survival or growth shall be as described in the methods manual referenced in Part 1.b.
 - 3) The permittee is responsible for reviewing test concentration-response

relationships to ensure that calculated test-results are interpreted and reported correctly. The document entitled "Method Guidance and Recommendation for Whole Effluent Toxicity (WET) Testing (40 CFR Part 136)" (EPA 821-B-00-004) provides guidance on determining the validity of test results.

- 4) Most point estimates are derived from a mathematical model that assumes a continuous dose-response relationship. For any test result that demonstrates a non-continuous (threshold) response, or a non-monotonic dose-response relationship, the IC₂₅ should be determined based on the method guidance manual referenced in Item 3.
- 5) Pursuant to the responsibility assigned to the permittee in Part 2.b.3), test results that demonstrate a non-monotonic dose-response relationship may be submitted, prior to the due date, for technical review of test validity and acceptability. The method guidance manual referenced in Item 3 will be used as the basis, along with best professional judgement, for making a determination of test validity and acceptability.

c. Dilution Water

- 1) Dilution water used in the toxicity tests shall be the receiving water collected at a point upstream of the discharge as close as possible to the discharge point but unaffected by the discharge. Where the toxicity tests are conducted on effluent discharges to receiving waters that are classified as intermittent streams, or where the toxicity tests are conducted on effluent discharges where no receiving water is available due to zero flow conditions, the permittee shall:
 - a) substitute a synthetic dilution water that has a pH, hardness, and alkalinity similar to that of the closest downstream perennial water unaffected by the discharge; or
 - b) use the closest downstream perennial water unaffected by the discharge.
- 2) Where the receiving water proves unsatisfactory as a result of pre-existing instream toxicity (i.e. fails to fulfill the test acceptance criteria of Part 2.a.), the permittee may substitute synthetic dilution water for the receiving water in all subsequent tests provided the unacceptable receiving water test met the following stipulations:
 - a) a synthetic lab water control was performed (in addition to the receiving water control) which fulfilled the test acceptance requirements of Part 2.a;
 - b) the test indicating receiving water toxicity was carried out to completion (i.e., 7 days);
 - c) the permittee submitted all test results indicating receiving water toxicity with the reports and information required in Part 3.

- 3) The synthetic dilution water shall consist of standard, moderately hard, reconstituted water. Upon approval, the permittee may substitute other appropriate dilution water with chemical and physical characteristics similar to that of the receiving water.

d. Samples and Composites

- 1) The permittee shall collect a minimum of three composite samples from Outfall 001. The second and third composite samples will be used for the renewal of the dilution concentrations for each toxicity test.
- 2) The permittee shall collect the composite samples such that the samples are representative of any periodic episode of chlorination, biocide usage, or other potentially toxic substance being discharged on an intermittent basis.
- 3) The permittee shall initiate the toxicity tests within 36 hours after collection of the last portion of the first composite sample. The holding time for any subsequent composite sample shall not exceed 72 hours. Samples shall be maintained at a temperature of 0-6 degrees Centigrade during collection, shipping, and storage.
- 4) If Outfall 001 ceases discharging during the collection of effluent samples, the requirements for the minimum number of effluent samples, the minimum number of effluent portions, and the sample holding time are waived during that sampling period. However, the permittee must have collected an effluent composite sample volume sufficient to complete the required toxicity tests with renewal of the effluent. When possible, the effluent samples used for the toxicity tests shall be collected on separate days if the discharge occurs over multiple days. The sample collection duration and the static renewal protocol associated with the abbreviated sample collection must be documented in the full report.
- 5) The effluent samples shall not be dechlorinated after sample collection.

3. Reporting

All reports, tables, plans, summaries, and related correspondence required in this section shall be submitted to the attention of the Standards Implementation Team (MC 150) of the Water Quality Division.

- a. The permittee shall prepare a full report of the results of all tests conducted in accordance with the manual referenced in Part 1.b. for every valid and invalid toxicity test initiated whether carried to completion or not.
- b. The permittee shall routinely report the results of each biomonitoring test on the Table 1 forms provided with this permit.
 - 1) Annual biomonitoring test results are due on or before January 20th for biomonitoring conducted during the previous 12-month period.

- 2) Semiannual biomonitoring test results are due on or before July 20th and January 20th for biomonitoring conducted during the previous 6-month period.
 - 3) Quarterly biomonitoring test results are due on or before April 20th, July 20th, October 20th, and January 20th for biomonitoring conducted during the previous calendar quarter.
 - 4) Monthly biomonitoring test results are due on or before the 20th day of the month following sampling.
- c. Enter the following codes for the appropriate parameters for valid tests only:
- 1) For the water flea, Parameter T4P3B, enter a "1" if the IC25 for survival is less than the critical dilution; otherwise, enter a "0."
 - 2) For the water flea, Parameter T6P3B, report the IC25 for survival.
 - 3) For the water flea, Parameter T5P3B, enter a "1" if the IC25 for reproduction is less than the critical dilution; otherwise, enter a "0."
 - 4) For the water flea, Parameter T7P3B, report the IC25 for reproduction.
 - 5) For the fathead minnow, Parameter T4P6C, enter a "1" if the IC25 for survival is less than the critical dilution; otherwise, enter a "0."
 - 6) For the fathead minnow, Parameter T6P6C, report the IC25 for survival.
 - 7) For the fathead minnow, Parameter T5P6C, enter a "1" if the IC25 for growth is less than the critical dilution; otherwise, enter a "0."
 - 8) For the fathead minnow, Parameter T7P6C, report the IC25 for growth.
- d. Enter the following codes for retests only:
- 1) For retest number 1, Parameter 22415, enter a "1" if the IC25 for survival is less than the critical dilution; otherwise, enter a "0."
 - 2) For retest number 2, Parameter 22416, enter a "1" if the IC25 for survival is less than the critical dilution; otherwise, enter a "0."
4. Persistent Toxicity
- The requirements of this Part apply only when a test demonstrates a significant effect at the critical dilution. A significant effect is defined as an IC25 of a specified endpoint (survival, growth, or reproduction) less than the critical dilution. Significant lethality is defined as a survival IC25 less than the critical dilution. Similarly, significant sublethality is defined as a growth or reproduction IC25 less than the critical dilution.
- a. The permittee shall conduct a total of 2 additional tests (retests) for any species

that demonstrates a significant effect (lethal or sublethal) at the critical dilution. The two retests shall be conducted monthly during the next two consecutive months. The permittee shall not substitute either of the two retests in lieu of routine toxicity testing. All reports shall be submitted within 20 days of test completion. Test completion is defined as the last day of the test.

- b. If the retests are performed due to a demonstration of significant lethality, and one or both of the two retests specified in Part 4.a. demonstrates significant lethality, the permittee shall initiate the TRE requirements as specified in Part 5. The provisions of Part 4.a. are suspended upon completion of the two retests and submittal of the TRE action plan and schedule defined in Part 5.

If neither test demonstrates significant lethality and the permittee is testing under the reduced testing frequency provision of Part 1.e., the permittee shall return to a quarterly testing frequency for that species.

- c. If the two retests are performed due to a demonstration of significant sublethality, and one or both of the two retests specified in Part 4.a. demonstrates significant lethality, the permittee shall again perform two retests as stipulated in Part 4.a.
- d. If the two retests are performed due to a demonstration of significant sublethality, and neither test demonstrates significant lethality, the permittee shall continue testing at the quarterly frequency.
- e. Regardless of whether retesting for lethal or sublethal effects, or a combination of the two, no more than one retest per month is required for a species.

5. Toxicity Reduction Evaluation

- a. Within 45 days of the retest that demonstrates significant lethality, or within 45 days of being so instructed due to multiple toxic events, the permittee shall submit a general outline for initiating a TRE. The outline shall include, but not be limited to, a description of project personnel, a schedule for obtaining consultants (if needed), a discussion of influent and effluent data available for review, a sampling and analytical schedule, and a proposed TRE initiation date.
- b. Within 90 days of the retest that demonstrates significant lethality, or within 90 days of being so instructed due to multiple toxic events, the permittee shall submit a TRE action plan and schedule for conducting a TRE. The plan shall specify the approach and methodology to be used in performing the TRE. A TRE is a step-wise investigation combining toxicity testing with physical and chemical analyses to determine actions necessary to eliminate or reduce effluent toxicity to a level not effecting significant lethality at the critical dilution. The TRE action plan shall describe an approach for the reduction or elimination of lethality for both test species defined in Part 1.b. At a minimum, the TRE action plan shall include the following:
 - 1) Specific Activities - The TRE action plan shall specify the approach the permittee intends to utilize in conducting the TRE, including toxicity characterizations, identifications, confirmations, source evaluations,

treatability studies, and alternative approaches. When conducting characterization analyses, the permittee shall perform multiple characterizations and follow the procedures specified in the document entitled "Toxicity Identification Evaluation: Characterization of Chronically Toxic Effluents, Phase I" (EPA/600/6-91/005F) or alternate procedures. The permittee shall perform multiple identifications and follow the methods specified in the documents entitled "Methods for Aquatic Toxicity Identification Evaluations, Phase II Toxicity Identification Procedures for Samples Exhibiting Acute and Chronic Toxicity" (EPA/600/R-92/080) and "Methods for Aquatic Toxicity Identification Evaluations: Phase III Toxicity Confirmation Procedures for Samples Exhibiting Acute and Chronic Toxicity" (EPA/600/R-92/081). All characterization, identification, and confirmation tests shall be conducted in an orderly and logical progression;

- 2) Sampling Plan - The TRE action plan should describe sampling locations, methods, holding times, chain of custody, and preservation techniques. The effluent sample volume collected for all tests shall be adequate to perform the toxicity characterization/identification/confirmation procedures and chemical-specific analyses when the toxicity tests show significant lethality. Where the permittee has identified or suspects a specific pollutant and source of effluent toxicity, the permittee shall conduct, concurrent with toxicity testing, chemical-specific analyses for the identified and suspected pollutant and source of effluent toxicity;
 - 3) Quality Assurance Plan - The TRE action plan should address record keeping and data evaluation, calibration and standardization, baseline tests, system blanks, controls, duplicates, spikes, toxicity persistence in the samples, randomization, reference toxicant control charts, and mechanisms to detect artifactual toxicity; and
 - 4) Project Organization - The TRE action plan should describe the project staff, project manager, consulting engineering services (where applicable), consulting analytical and toxicological services, etc.
- c. Within 30 days of submittal of the TRE action plan and schedule, the permittee shall implement the TRE.
- d. The permittee shall submit quarterly TRE activities reports concerning the progress of the TRE. The quarterly reports are due on or before April 20th, July 20th, October 20th, and January 20th. The report shall detail information regarding the TRE activities including:
- 1) results and interpretation of any chemical-specific analyses for the identified and suspected pollutant performed during the quarter;
 - 2) results and interpretation of any characterization, identification, and confirmation tests performed during the quarter;
 - 3) any data and substantiating documentation which identifies the pollutant(s) and source of effluent toxicity;

- 4) results of any studies/evaluations concerning the treatability of the facility's effluent toxicity;
 - 5) any data that identifies effluent toxicity control mechanisms that will reduce effluent toxicity to the level necessary to meet no significant lethality at the critical dilution; and
 - 6) any changes to the initial TRE plan and schedule that are believed necessary as a result of the TRE findings.
- e. During the TRE, the permittee shall perform, at a minimum, quarterly testing using the more sensitive species. Testing for the less sensitive species shall continue at the frequency specified in Part 1.b.
- f. If the effluent ceases to effect significant lethality, i.e., there is a cessation of lethality, the permittee may end the TRE. A cessation of lethality is defined as no significant lethality for a period of 12 consecutive months with at least monthly testing. At the end of the 12 months, the permittee shall submit a statement of intent to cease the TRE and may then resume the testing frequency specified in Part 1.b.

This provision accommodates situations where operational errors and upsets, spills, or sampling errors triggered the TRE, in contrast to a situation where a single toxicant or group of toxicants cause lethality. This provision does not apply as a result of corrective actions taken by the permittee. Corrective actions are defined as proactive efforts that eliminate or reduce effluent toxicity. These include, but are not limited to, source reduction or elimination, improved housekeeping, changes in chemical usage, and modifications of influent streams and effluent treatment.

The permittee may only apply this cessation of lethality provision once. If the effluent again demonstrates significant lethality to the same species, the permit will be amended to add a WET limit with a compliance period, if appropriate. However, prior to the effective date of the WET limit, the permittee may apply for a permit amendment removing and replacing the WET limit with an alternate toxicity control measure by identifying and confirming the toxicant and an appropriate control measure.

- g. The permittee shall complete the TRE and submit a final report on the TRE activities no later than 28 months from the last test day of the retest that confirmed significant lethal effects at the critical dilution. The permittee may petition the Executive Director (in writing) for an extension of the 28-month limit. However, to warrant an extension the permittee must have demonstrated due diligence in its pursuit of the toxicity identification evaluation/TRE and must prove that circumstances beyond its control stalled the toxicity identification evaluation/TRE. The report shall provide information pertaining to the specific control mechanism selected that will, when implemented, result in the reduction of effluent toxicity to no significant lethality at the critical dilution. The report shall also provide a specific corrective action schedule for implementing the selected control mechanism.

- h. Based on the results of the TRE and proposed corrective actions, this permit may be amended to modify the biomonitoring requirements, where necessary, require a compliance schedule for implementation of corrective actions, specify a WET limit, specify a best management practice, and specify a chemical-specific limit.
- i. Copies of any and all required TRE plans and reports shall also be submitted to the U.S. EPA Region 6 office, 6WQ-PO.

TABLE 1 (SHEET 1 OF 4)

BIOMONITORING REPORTING

CERIODAPHNIA DUBIA SURVIVAL AND REPRODUCTION

Dates and Times Composites Collected

No. 1 FROM: _____ Date _____ Time _____ TO: _____ Date _____ Time _____

No. 2 FROM: _____ TO: _____

No. 3 FROM: _____ TO: _____

Test initiated: _____ am/pm _____ date

Dilution water used: _____ Receiving water _____ Synthetic Dilution water

NUMBER OF YOUNG PRODUCED PER ADULT AT END OF TEST

REP	Percent effluent					
	0%	32%	42%	56%	75%	100%
A						
B						
C						
D						
E						
F						
G						
H						
I						
J						
Survival Mean						
Total Mean						
CV%*						

*Coefficient of Variation = standard deviation x 100/mean (calculation based on young of the surviving adults)

Designate males (M), and dead females (D), along with number of neonates (x) released prior to death.

TABLE 1 (SHEET 2 OF 4)

CERIODAPHNIA DUBIA SURVIVAL AND REPRODUCTION TEST

PERCENT SURVIVAL

Time of Reading	Percent effluent					
	0%	32%	42%	56%	75%	100%
24h						
48h						
End of Test						

1. Is the IC₂₅ for reproduction less than the critical dilution (100%)? ____ YES ____ NO
2. Is the IC₂₅ for survival less than the critical dilution (100%)? ____ YES ____ NO
3. Enter percent effluent corresponding to each IC₂₅ below:
 IC₂₅ survival = _____%
 IC₂₅ reproduction = _____%

TABLE 1 (SHEET 3 OF 4)

BIOMONITORING REPORTING

FATHEAD MINNOW LARVAE GROWTH AND SURVIVAL

Dates and Times
Composites
Collected

No. 1 FROM: _____ Date _____ Time _____ TO: _____ Date _____ Time _____

No. 2 FROM: _____ TO: _____

No. 3 FROM: _____ TO: _____

Test initiated: _____ am/pm _____ date

Dilution water used: _____ Receiving water _____ Synthetic dilution water

FATHEAD MINNOW GROWTH DATA

Effluent Concentration	Average Dry Weight in replicate chambers					Mean Dry Weight	CV%*
	A	B	C	D	E		
0%							
32%							
42%							
56%							
75%							
100%							

* Coefficient of Variation = standard deviation x 100/mean

TABLE 1 (SHEET 4 OF 4)
BIOMONITORING REPORTING
FATHEAD MINNOW GROWTH AND SURVIVAL TEST

FATHEAD MINNOW SURVIVAL DATA

Effluent Concentration	Percent Survival in replicate chambers					Mean percent survival			CV%*
	A	B	C	D	E	24h	48h	7 day	
0%									
32%									
42%									
56%									
75%									
100%									

* Coefficient of Variation = standard deviation x 100/mean

1. Is the IC₂₅ for growth less than the critical dilution (100%)? ____YES ____NO
2. Is the IC₂₅ for survival less than the critical dilution (100%)? ____YES ____NO
3. Enter percent effluent corresponding to each IC₂₅ below:
 IC₂₅ survival = _____%
 IC₂₅ growth = _____%

24-HOUR ACUTE BIOMONITORING REQUIREMENTS: FRESHWATER

The provisions of this section apply to Outfall 001 for whole effluent toxicity (WET) testing.

1. Scope, Frequency, and Methodology

- a. The permittee shall test the effluent for lethality in accordance with the provisions in this section. Such testing will determine compliance with Texas Surface Water Quality Standard 30 TAC § 307.6(e)(2)(B), which requires greater than 50% survival of the appropriate test organisms in 100% effluent for a 24-hour period.
- b. Within 90 days of initial discharge of the 2.0 MGD facility, the toxicity tests specified shall be conducted once per six months. The permittee shall conduct the following toxicity tests using the test organisms, procedures, and quality assurance requirements specified in this section of the permit and in accordance with "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms," fifth edition (EPA-821-R-02-012) or its most recent update:
 - 1) Acute 24-hour static toxicity test using the water flea (*Daphnia pulex* or *Ceriodaphnia dubia*). A minimum of five replicates with eight organisms per replicate shall be used in the control and each dilution.
 - 2) Acute 24-hour static toxicity test using the fathead minnow (*Pimephales promelas*). A minimum of five replicates with eight organisms per replicate shall be used in the control and each dilution.

The permittee must perform and report a valid test for each test species during the prescribed reporting period. An invalid test must be repeated during the same reporting period. An invalid test is defined as any test failing to satisfy the test acceptability criteria, procedures, and quality assurance requirements specified in the test methods and permit.

- c. In addition to an appropriate control, a 100% effluent concentration shall be used in the toxicity tests. Except as discussed in item 2.b., the control and dilution water shall consist of standard, synthetic, moderately hard, reconstituted water.
- d. This permit may be amended to require a WET limit, a Best Management Practice (BMP), Chemical-Specific (CS) limits, or other appropriate actions to address toxicity. The permittee may be required to conduct a Toxicity Reduction Evaluation after multiple toxic events.
- e. As the dilution series specified in the Chronic Biomonitoring Requirements includes a 100% effluent concentration, the results from those tests may fulfill the requirements of this Section; any tests performed in the proper time interval may be substituted. Compliance will be evaluated as specified in item a. The 50% survival in 100% effluent for a 24-hour period standard applies to all tests utilizing a 100% effluent dilution, regardless of whether the results are submitted to comply with the minimum testing frequency defined in item b.

2. Required Toxicity Testing Conditions

- a. Test Acceptance - The permittee shall repeat any toxicity test, including the control, if the control fails to meet a mean survival equal to or greater than 90%.
- b. Dilution Water - In accordance with item 1.c., the control and dilution water shall normally consist of standard, synthetic, moderately hard, reconstituted water. If the permittee utilizes the results of a chronic test to satisfy the requirements in item 1.e., the permittee may use the receiving water or dilution water that meets the requirements of item 2.a as the control and dilution water.
- c. Samples and Composites
 - 1) The permittee shall collect one composite sample from Outfall 001.
 - 2) The permittee shall collect the composite samples such that the sample is representative of any periodic episode of chlorination, biocide usage, or other potentially toxic substance being discharged.
 - 3) The permittee shall initiate the toxicity tests within 36 hours after collection of the last portion of the composite sample. The samples shall be maintained at a temperature of 0-6 degrees Centigrade during collection, shipping, and storage.
 - 4) If Outfall 001 ceases discharging during the collection of the effluent composite sample, the requirements for the minimum number of effluent portions are waived. However, the permittee must have collected a composite sample volume sufficient for completion of the required test. The abbreviated sample collection, duration, and methodology must be documented in the full report.
 - 5) The effluent sample shall not be dechlorinated after sample collection.

3. Reporting

All reports, tables, plans, summaries, and related correspondence required in this section shall be submitted to the attention of the Standards Implementation Team (MC 150) of the Water Quality Division.

- a. The permittee shall prepare a full report of the results of all tests conducted pursuant to this permit in accordance with the manual referenced in Part 1.b. for every valid and invalid toxicity test initiated.
- b. The permittee shall routinely report the results of each biomonitoring test on the Table 2 forms provided with this permit.
 - 1) Semiannual biomonitoring test results are due on or before July 20th and January 20th for biomonitoring conducted during the previous 6-month period.
 - 2) Quarterly biomonitoring test results are due on or before April 20th, July

20th, October 20th, and January 20th for biomonitoring conducted during the previous calendar quarter.

c. Enter the following codes for the appropriate parameters for valid tests only:

- 1) For the water flea, Parameter TIE3D, enter a "0" if the mean survival at 24 hours is greater than 50% in the 100% effluent dilution; if the mean survival is less than or equal to 50%, enter "1."
- 2) For the fathead minnow, Parameter TIE6C, enter a "0" if the mean survival at 24 hours is greater than 50% in the 100% effluent dilution; if the mean survival is less than or equal to 50%, enter "1."

d. Enter the following codes for retests only:

- 1) For retest number 1, Parameter 22415, enter a "0" if the mean survival at 24 hours is greater than 50% in the 100% effluent dilution; if the mean survival is less than or equal to 50%, enter "1."
- 2) For retest number 2, Parameter 22416, enter a "0" if the mean survival at 24 hours is greater than 50% in the 100% effluent dilution; if the mean survival is less than or equal to 50%, enter "1."

4. Persistent Mortality

The requirements of this part apply when a toxicity test demonstrates significant lethality, which is defined as a mean mortality of 50% or greater of organisms exposed to the 100% effluent concentration for 24 hours.

- a. The permittee shall conduct 2 additional tests (retests) for each species that demonstrates significant lethality. The two retests shall be conducted once per week for 2 weeks. Five effluent dilution concentrations in addition to an appropriate control shall be used in the retests. These effluent concentrations are 6%, 13%, 25%, 50% and 100% effluent. The first retest shall be conducted within 15 days of the laboratory determination of significant lethality. All test results shall be submitted within 20 days of test completion of the second retest. Test completion is defined as the 24th hour.
- b. If one or both of the two retests specified in Part 4.a. demonstrates significant lethality, the permittee shall initiate the TRE requirements as specified in Part 5.

5. Toxicity Reduction Evaluation

- a. Within 45 days of the retest that demonstrates significant lethality, the permittee shall submit a general outline for initiating a TRE. The outline shall include, but not be limited to, a description of project personnel, a schedule for obtaining consultants (if needed), a discussion of influent and effluent data available for review, a sampling and analytical schedule, and a proposed TRE initiation date.
- b. Within 90 days of the retest that demonstrates significant lethality, the permittee shall submit a TRE action plan and schedule for conducting a TRE. The plan shall

specify the approach and methodology to be used in performing the TRE. A TRE is a step-wise investigation combining toxicity testing with physical and chemical analysis to determine actions necessary to eliminate or reduce effluent toxicity to a level not effecting significant lethality at the critical dilution. The TRE action plan shall lead to the successful elimination of significant lethality for both test species defined in Part 1.b. At a minimum, the TRE action plan shall include the following:

- 1) **Specific Activities** - The TRE action plan shall specify the approach the permittee intends to utilize in conducting the TRE, including toxicity characterizations, identifications, confirmations, source evaluations, treatability studies, and alternative approaches. When conducting characterization analyses, the permittee shall perform multiple characterizations and follow the procedures specified in the document entitled "Methods for Aquatic Toxicity Identification Evaluations: Phase I Toxicity Characterization Procedures" (EPA/600/6-91/003) or alternate procedures. The permittee shall perform multiple identifications and follow the methods specified in the documents entitled "Methods for Aquatic Toxicity Identification Evaluations: Phase II Toxicity Identification Procedures for Samples Exhibiting Acute and Chronic Toxicity" (EPA/600/R-92/080) and "Methods for Aquatic Toxicity Identification Evaluations: Phase III Toxicity Confirmation Procedures for Samples Exhibiting Acute and Chronic Toxicity" (EPA/600/R-92/081). All characterization, identification, and confirmation tests shall be conducted in an orderly and logical progression;
 - 2) **Sampling Plan** - The TRE action plan should describe sampling locations, methods, holding times, chain of custody, and preservation techniques. The effluent sample volume collected for all tests shall be adequate to perform the toxicity characterization/identification/confirmation procedures, and chemical-specific analyses when the toxicity tests show significant lethality. Where the permittee has identified or suspects a specific pollutant and source of effluent toxicity, the permittee shall conduct, concurrent with toxicity testing, chemical-specific analyses for the identified and suspected pollutant and source of effluent toxicity;
 - 3) **Quality Assurance Plan** - The TRE action plan should address record keeping and data evaluation, calibration and standardization, baseline tests, system blanks, controls, duplicates, spikes, toxicity persistence in the samples, randomization, reference toxicant control charts, and mechanisms to detect artifactual toxicity; and
 - 4) **Project Organization** - The TRE action plan should describe the project staff, manager, consulting engineering services (where applicable), consulting analytical and toxicological services, etc.
- c. Within 30 days of submittal of the TRE action plan and schedule, the permittee shall implement the TRE.
- d. The permittee shall submit quarterly TRE activities reports concerning the progress of the TRE. The quarterly TRE activities reports are due on or before

April 20th, July 20th, October 20th, and January 20th. The report shall detail information regarding the TRE activities including:

- 1) results and interpretation of any chemical-specific analyses for the identified and suspected pollutant performed during the quarter;
 - 2) results and interpretation of any characterization, identification, and confirmation tests performed during the quarter;
 - 3) any data and substantiating documentation that identifies the pollutant and source of effluent toxicity;
 - 4) results of any studies/evaluations concerning the treatability of the facility's effluent toxicity;
 - 5) any data that identifies effluent toxicity control mechanisms that will reduce effluent toxicity to the level necessary to eliminate significant lethality; and
 - 6) any changes to the initial TRE plan and schedule that are believed necessary as a result of the TRE findings.
- e. During the TRE, the permittee shall perform, at a minimum, quarterly testing using the more sensitive species. Testing for the less sensitive species shall continue at the frequency specified in Part 1.b.
- f. If the effluent ceases to effect significant lethality, i.e., there is a cessation of lethality, the permittee may end the TRE. A cessation of lethality is defined as no significant lethality for a period of 12 consecutive weeks with at least weekly testing. At the end of the 12 weeks, the permittee shall submit a statement of intent to cease the TRE and may then resume the testing frequency specified in Part 1.b.

This provision accommodates situations where operational errors and upsets, spills, or sampling errors triggered the TRE, in contrast to a situation where a single toxicant or group of toxicants cause lethality. This provision does not apply as a result of corrective actions taken by the permittee. Corrective actions are defined as proactive efforts that eliminate or reduce effluent toxicity. These include, but are not limited to, source reduction or elimination, improved housekeeping, changes in chemical usage, and modifications of influent streams and effluent treatment.

The permittee may only apply this cessation of lethality provision once. If the effluent again demonstrates significant lethality to the same species, the permit will be amended to add a WET limit with a compliance period, if appropriate. However, prior to the effective date of the WET limit, the permittee may apply for a permit amendment removing and replacing the WET limit with an alternate toxicity control measure by identifying and confirming the toxicant and an appropriate control measure.

- g. The permittee shall complete the TRE and submit a final report on the TRE

activities no later than 18 months from the last test day of the retest that demonstrates significant lethality. The permittee may petition the Executive Director (in writing) for an extension of the 18-month limit. However, to warrant an extension the permittee must have demonstrated due diligence in its pursuit of the toxicity identification evaluation/TRE and must prove that circumstances beyond its control stalled the toxicity identification evaluation/TRE. The report shall specify the control mechanism that will, when implemented, reduce effluent toxicity as specified in item 5.h. The report will also specify a corrective action schedule for implementing the selected control mechanism.

- h. Within 3 years of the last day of the test confirming toxicity, the permittee shall comply with 30 TAC § 307.6(e)(2)(B), which requires greater than 50% survival of the test organism in 100% effluent at the end of 24-hours. The permittee may petition the Executive Director (in writing) for an extension of the 3-year limit. However, to warrant an extension the permittee must have demonstrated due diligence in its pursuit of the toxicity identification evaluation/TRE and must prove that circumstances beyond its control stalled the toxicity identification evaluation/TRE.

The permittee may be exempted from complying with 30 TAC § 307.6(e)(2)(B) upon proving that toxicity is caused by an excess, imbalance, or deficiency of dissolved salts. This exemption excludes instances where individually toxic components (e.g., metals) form a salt compound. Following the exemption, this permit may be amended to include an ion-adjustment protocol, alternate species testing, or single species testing.

- i. Based upon the results of the TRE and proposed corrective actions, this permit may be amended to modify the biomonitoring requirements where necessary, require a compliance schedule for implementation of corrective actions, specify a WET limit, specify a best management practice, and specify a chemical-specific limit.
- j. Copies of any and all required TRE plans and reports shall also be submitted to the U.S. EPA Region 6 office, 6WQ-PO.

TABLE 2 (SHEET 1 OF 2)

WATER FLEA SURVIVAL

GENERAL INFORMATION

	Time	Date
Composite Sample Collected		
Test Initiated		

PERCENT SURVIVAL

Time	Rep	Percent effluent					
		0%	6%	13%	25%	50%	100%
24h	A						
	B						
	C						
	D						
	E						
	MEAN						

Enter percent effluent corresponding to the LC₅₀ below:

24 hour LC₅₀ = _____% effluent

TABLE 2 (SHEET 2 OF 2)
FATHEAD MINNOW SURVIVAL

GENERAL INFORMATION

	Time	Date
Composite Sample Collected		
Test Initiated		

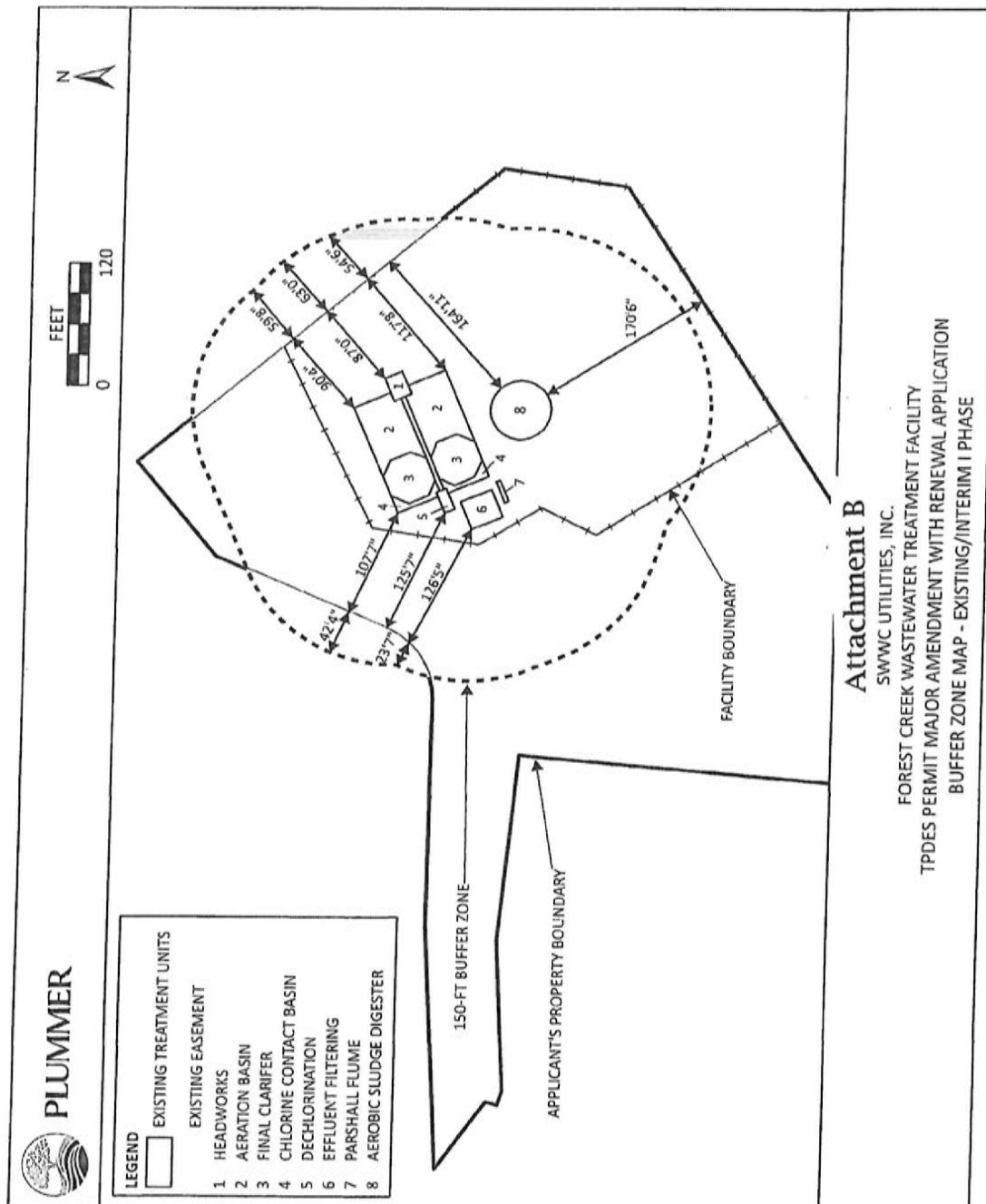
PERCENT SURVIVAL

Time	Rep	Percent effluent					
		0%	6%	13%	25%	50%	100%
24h	A						
	B						
	C						
	D						
	E						
	MEAN						

Enter percent effluent corresponding to the LC₅₀ below:

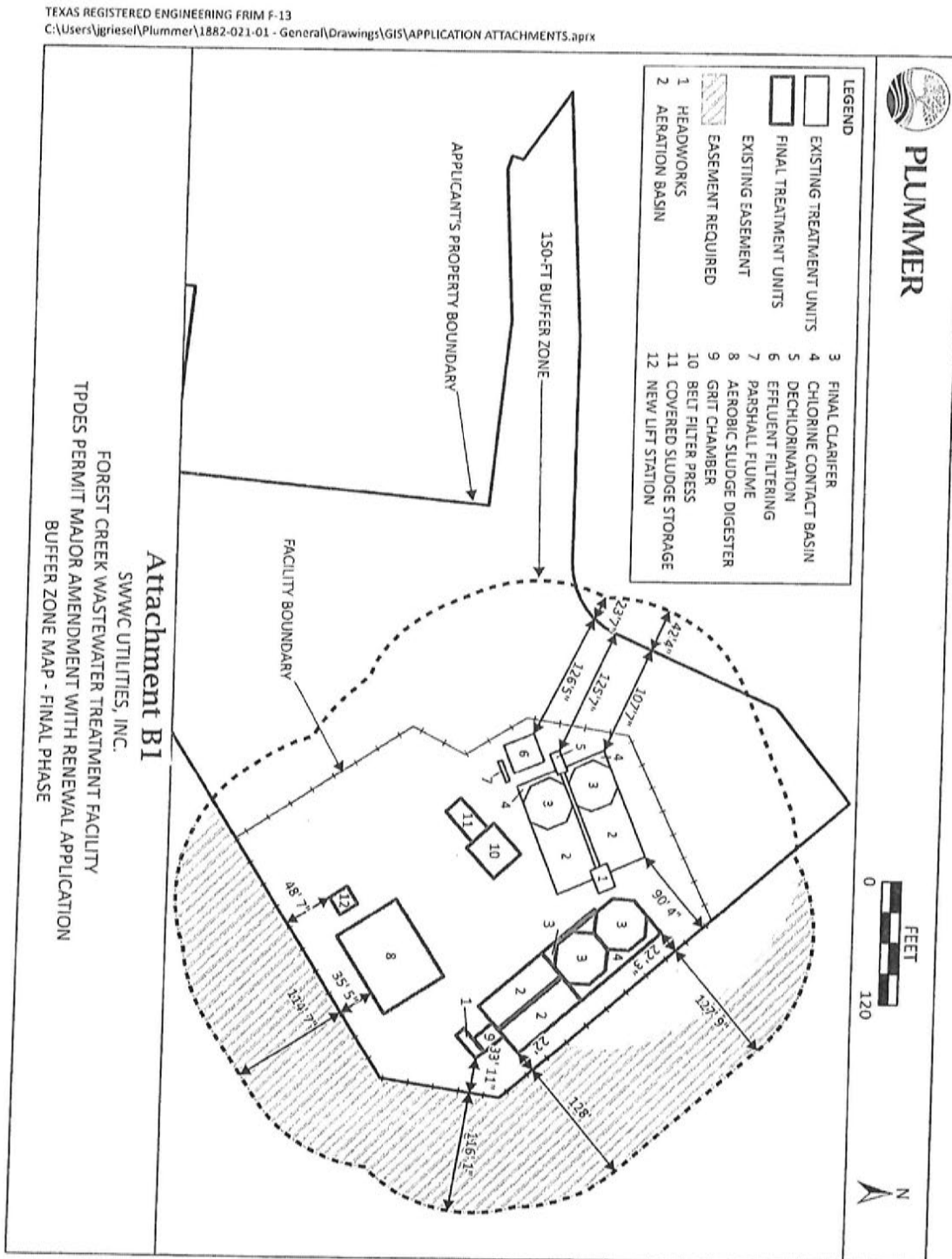
24 hour LC₅₀ = _____% effluent

Attachment A: Interim Phase Buffer Zone Map



TEXAS REGISTERED ENGINEERING FRIM F-13
C:\Users\jgrise\p\lumber\1882-021-01 - General\Drawings\GIS\APPLICATION ATTACHMENTS.aprx

Attachment A1: Final Phase Buffer Zone Map



1. Overview

Star Golf Partners, Ltd. & SWWC Utilities, Inc.
Associated with Water Use Permit No. 13096
Type §11.121, §11.042 – Brazos River Basin

2. Introduction and Authorized Uses

This accounting plan supports Water Use Permit No. 13096, jointly held by Star Golf Partners, Ltd. and SWWC Utilities, Inc. The permit authorizes the conveyance of up to 2,241 acre-feet per year of groundwater-based return flows from the Forest Creek Wastewater Treatment Plant (WWTP) (authorized under TPDES Permit No. WQ0013866001) through the bed and banks of an unnamed tributary of Brushy Creek for recreational and agricultural purposes (golf course irrigation).

The permit also authorizes Star Golf Partners, Ltd. to:

- Divert and use up to 120 acre-feet per year from Brushy Creek under Water Use Permit No. 4166;
- Impound and reuse both the groundwater-based return flows and the Brushy Creek diversions in Ponds 1–3 for irrigation of approximately 120 acres of the Star Ranch Golf Course.

This accounting plan ensures that diversions, impoundments, and releases are documented and operated in compliance with all Special Conditions (Section 7) of the permit and the requirements of the Brazos Watermaster Program.

3. Explanation of Spreadsheet Fields and Data Sources

The spreadsheet provided has a row for explanation and data sources.

4. Priority Dates and Accounting by Authorization

This accounting plan incorporates two sources with distinct authorizations:

- Groundwater-Based Return Flows – Conveyed under §11.042, derived from treated effluent (not subject to priority administration).

Accounting Plan Introduction

- Surface Water Diversion – Up to 120 AF/year under Water Use Permit No. 4166 (priority date: July 31, 1984).

Under Permit No. 13096, the return flows do not have a priority date and are not subject to priority calls, while any Brushy Creek diversions remain subject to senior rights and environmental flow conditions.

5. Summary of Water Source

All irrigation water authorized under this plan originates from the following sources:

1. Groundwater-Based Return Flows – Up to 2,241 AFY (1,109 existing + 1,132 proposed), discharged from the Forest Creek WWTP under TPDES Permit No. WQ0013866001, conveyed through the bed and banks of an unnamed tributary of Brushy Creek to on-site ponds.
2. Surface Water Diversions – Up to 120 AFY from Brushy Creek under Water Use Permit No. 4166, diverted at authorized coordinates.
3. On-Site Reservoirs (Ponds 1–3) – Used for storage, recirculation, and operational balancing of effluent and creek water.

No groundwater wells are used for irrigation under this permit. All diversions and impoundments are measured, logged, and reported to the Brazos Watermaster in accordance with Special Condition 7.L of the permit.

6. Compliance and Reporting

Star Golf Partners, Ltd. shall:

- Maintain electronic records of all diversions, discharges, and storage volumes;
- Document compliance with Special Conditions 7.A–7.M, including minimum instream flow thresholds at USGS Gage 08105888;
- Make records available to TCEQ or the Brazos Watermaster upon request.

This accounting plan may be modified by the Executive Director or the Watermaster under Special Condition 7.J, and any substantive modification shall be approved prior to implementation.

Attachment O06 - Accounting Plan
This is best viewed through the spreadsheet (e-delivery)

STAR GOLF PARTNERS
DAILY ACCOUNTING LOG

Note: "Day" is defined as a 24-hour period beginning at 3:00 pm each day and ending at 3:00 pm

Column:	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
	Daily Golf Course Irrigation Water Demand:	Daily Surface Evaporation	Surface Area of Ponds 1, 2, 3	Calculated Surface Evaporation, Ponds 1, 2, 3 (day):	Surface Evaporation from Ponds 1, 2, 3 (day):	Evaporation from Pond 3 recirculation pump (day):	TOTAL DAILY DEMAND:	Available groundwater based return flow from WWT:	Cumulative groundwater based return flow	Amount of irrigation required from creek (calculated based on projected demands vs. GWR)	Quantity Pumped from Brushy Creek 600 GPM pump	Cumulative Pumpage from Brushy Creek	Golf Course Irrigation Water Used	Supply Sufficient to Cover Uses?	Brushy Creek Flow Gauge 08105888
DAY	(projected need based on weather and historical usage)	(input based on USACE data for Lake Georgetown)	ac	ac-ft	(1 ac-ft = 325,851 gal)	(conservative estimate)	(input from WWT operator e-mail by 3:00 pm each day)	(not to exceed annual flow based on 2.00 MGD permit limit)	(not to exceed 120 ac-ft. per year)	(input based on meter reading)	(input based on meter reading)	(input based on meter reading)	(I+M-G-H-O)	cubic feet per second	
1/1/2025	gal. 34,280	inches 0.0800	12.38	0.082533	26,894	900	62,074	871,000	871,000	0	0.0	0	34,280	808,926.4	19.2
1/2/2025	506938	0.0700	12.38	0.072217	23,532	900	531,370	901,000	1772000	0	0.0	0	506938	369,630.1	18.5
1/3/2025	42903	0.0900	12.38	0.092850	30,255	900	74,058	730,000	2502000	0	0.0	0	42903	655,941.7	17.8
1/4/2025	774274	0.0900	12.38	0.092850	30,255	900	805,429	832,000	3394000	0	0.0	0	774274	26,570.7	17.8
1/5/2025	36980	0.1200	12.38	0.123800	40,340	900	78,220	748,000	4082000	0	0.0	0	36980	669,779.6	18.5
1/6/2025	96354	0.0600	12.38	0.061900	20,170	900	117,424	765,000	4847000	0	0.0	0	96354	647,575.8	16.0
1/7/2025	0	0.0400	12.38	0.041267	13,447	900	14,347	682,000	5529000	0	0.0	0	0	667,653.2	16.0
1/8/2025	0	0.0400	12.38	0.041267	13,447	900	14,347	611,000	6140000	0	0.0	0	0	596,653.2	16.6
1/9/2025	248086	0.0500	12.38	0.051583	16,808	900	265,794	699,000	6839000	0	0.0	0	248086	433,205.5	16.6
1/10/2025	41570	0.0400	12.38	0.041267	13,447	900	55,917	703,000	7542000	0	0.0	0	41570	647,083.2	90.9
1/11/2025	39813	0.0400	12.38	0.041267	13,447	900	54,160	681,000	8233000	0	0.0	0	39813	626,840.2	57.2
1/12/2025	39803	0.0600	12.38	0.061900	20,170	900	60,873	722,000	8945000	0	0.0	0	39803	661,126.8	38.3
1/13/2025	43547	0.0700	12.38	0.072217	23,532	900	67,979	714,000	9659000	0	0.0	0	43547	646,021.1	33.7
1/14/2025	236726	0.0500	12.38	0.051583	16,808	900	254,434	676,000	10335000	0	0.0	0	236726	421,565.5	30.2
1/15/2025	215770	0.0700	12.38	0.072217	23,532	900	240,202	694,000	11029000	0	0.0	0	215770	453,798.1	26.8
1/16/2025	0	0.0600	12.38	0.061900	20,170	900	21,070	715,000	11749000	0	0.0	0	0	693,929.8	25.1
1/17/2025	441231	0.0800	12.38	0.082533	26,894	900	469,025	735,000	12479000	0	0.0	0	441231	265,975.4	26.0
1/18/2025	639698	0.0800	12.38	0.082533	26,894	900	667,492	741,000	13220000	0	0.0	0	639698	73,508.4	22.7
1/19/2025	33610	0.0600	12.38	0.061900	20,170	900	54,680	658,000	13878000	0	0.0	0	33610	603,319.8	22.0
1/20/2025	40746	0.0300	12.38	0.030950	10,085	900	51,731	713,000	14591000	0	0.0	0	40746	661,268.9	21.2
1/21/2025	40432	0.0300	12.38	0.030950	10,085	900	51,417	678,000	15289000	0	0.0	0	40432	626,582.9	22.1
1/22/2025	39975	0.0300	12.38	0.030950	10,085	900	50,960	644,000	15913000	0	0.0	0	39975	593,039.9	22.7
1/23/2025	43087	0.0500	12.38	0.051583	16,808	900	60,795	691,000	16604000	0	0.0	0	43087	630,204.5	17.7
1/24/2025	182883	0.0500	12.38	0.051583	16,808	900	200,591	744,000	17348000	0	0.0	0	182883	543,408.5	20.5
1/25/2025	181740	0.0600	12.38	0.061900	20,170	900	202,810	729,000	18077000	0	0.0	0	181740	526,189.8	23.5
1/26/2025	136240	0.0900	12.38	0.092850	30,255	900	167,395	706,000	18783000	0	0.0	0	136240	538,604.7	24.3
1/27/2025	90265	0.0700	12.38	0.072217	23,532	900	114,697	731,000	19514000	0	0.0	0	90265	616,303.1	22.0
1/28/2025	0	0.0800	12.38	0.082533	26,894	900	27,794	752,000	20228000	0	0.0	0	0	686,206.4	23.5
1/29/2025	0	0.1300	12.38	0.134117	43,702	900	44,602	760,000	20980000	0	0.0	0	0	724,206.4	22.7
1/30/2025	0	0.1500	12.38	0.134117	43,702	900	44,602	760,000	21740000	0	0.0	0	0	715,398.0	196.0
1/31/2025	0	0.1500	12.38	0.154750	50,425	900	51,325	906,000	22646000	0	0.0	0	0	854,674.6	104.0
JAN SUBTOTAL	4,226,951.0	2.1					4,960,807	22,646,000.0			0.0		4,226,951.0		

STAR GOLF PARTNERS
DAILY ACCOUNTING LOG

Note: "Day" is defined as a 24-hour period beginning at 3:00 pm each day and ending at 3:00 pm

Column:

DAY	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
	Daily Golf Course Irrigation Water Demand:	Daily Surface Evaporation	Surface Area of Ponds 1, 2, 3	Calculated Surface Evaporation, Ponds 1, 2, 3 (day):	Surface Evaporation from Pond 3 (day):	Evaporation recirculation pump (day):	TOTAL DAILY DEMAND:	Available groundwater based return flow from WWTWP:	Cumulative groundwater based return flow (not to exceed annual flow based on 2.00 MGSD permit limits)	Amount of irrigation required from creek (calculated based on projected demands vs. available GWTWP)	Quantity Pumped from Brushy Creek 600 GPM pump (input based on meter reading)	Cumulative Pumpage from Brushy Creek (not to exceed 120 ac-ft. per year)	Golf Course Irrigation Water Used (input based on meter reading)	Supply Sufficient to Cover Uses?	Brushy Creek Flow Gauge 08105888
2/1/2025	118450	0.0800	12.38	0.082533	26.894	900	325,851 gal (1 ac-ft = 325,851 gal)	1,008,000	2365,4000	0	0.0	0	118450	861,756.4	61.0
2/2/2025	1511	0.1100	12.38	0.113483	36,979	900	39,390	977,000	24631000	0	0.0	0	1511	937,610.3	46.4
2/3/2025	210	0.1400	12.38	0.144433	47,064	900	48,174	798,000	25429000	0	0.0	0	210	749,826.3	38.3
2/4/2025	81894	0.1600	12.38	0.165067	53,787	900	136,581	767,000	26196000	0	0.0	0	81894	630,418.9	36.4
2/5/2025	90388	0.1600	12.38	0.165067	53,787	900	145,075	755,000	26951000	0	0.0	0	90388	609,924.9	31.9
2/6/2025	191415	0.1500	12.38	0.154750	50,425	900	242,740	723,000	27674000	0	0.0	0	191415	480,259.6	32.8
2/7/2025	10817	0.1600	12.38	0.165067	53,787	900	65,504	808,000	28482000	0	0.0	0	10817	742,955.9	33.6
2/8/2025	238777	0.1700	12.38	0.175383	57,149	900	296,826	792,000	29274000	0	0.0	0	238777	495,174.2	30.2
2/9/2025	8033	0.1600	12.38	0.165067	53,787	900	62,720	827,000	30101000	0	0.0	0	8033	764,279.9	29.4
2/10/2025	202272	0.0800	12.38	0.082533	26,894	900	230,066	815,000	30916000	0	0.0	0	202272	584,934.4	26.8
2/11/2025	68053	0.0800	12.38	0.082533	26,894	900	95,847	751,000	31667000	0	0.0	0	68053	655,153.4	26.8
2/12/2025	21493	0.0700	12.38	0.072217	23,532	900	45,925	819,000	32486000	0	0.0	0	21493	773,075.1	199.0
2/13/2025	104310	0.0600	12.38	0.061583	16,808	900	125,380	777,000	33263000	0	0.0	0	104310	651,619.8	97.4
2/14/2025	7822	0.0500	12.38	0.051583	16,808	900	25,530	845,000	34108000	0	0.0	0	7822	819,469.5	69.2
2/15/2025	26796	0.0800	12.38	0.082533	26,894	900	54,590	763,000	34871000	0	0.0	0	26796	708,10.4	59.7
2/16/2025	145204	0.1100	12.38	0.113483	36,979	900	183,083	811,000	35682000	0	0.0	0	145204	627,917.3	44.3
2/17/2025	23894	0.0600	12.38	0.061580	20,170	900	44,964	835,000	36517000	0	0.0	0	23894	790,035.8	44.3
2/18/2025	308383	0.1000	12.38	0.103167	33,617	900	342,900	810,000	37327000	0	0.0	0	308383	467,100.0	38.3
2/19/2025	6973	0.0500	12.38	0.051583	16,808	900	24,681	828,000	38155000	0	0.0	0	6973	803,318.5	32.8
2/20/2025	9421	0.0300	12.38	0.030950	10,085	900	14,406	766,000	38921000	0	0.0	0	9421	751,593.9	27.7
2/21/2025	0	0.0400	12.38	0.041267	13,447	900	14,347	759,000	39680000	0	0.0	0	0	744,653.2	29.4
2/22/2025	19159	0.0500	12.38	0.051583	16,808	900	36,867	852,000	40532000	0	0.0	0	19159	815,132.5	38.3
2/23/2025	176021	0.0600	12.38	0.061580	20,170	900	197,091	839,000	41371000	0	0.0	0	176021	641,508.8	33.6
2/24/2025	15509	0.0900	12.38	0.092850	30,255	900	46,664	861,000	42232000	0	0.0	0	15509	814,335.7	31.0
2/25/2025	162276	0.1300	12.38	0.134117	43,702	900	206,878	776,000	43008000	0	0.0	0	162276	569,122.0	31.0
2/26/2025	83603	0.1400	12.38	0.144433	47,064	900	131,567	879,000	43887000	0	0.0	0	83603	747,433.3	27.7
2/27/2025	80022	0.1700	12.38	0.175383	57,149	900	138,071	850,000	44737000	0	0.0	0	80022	711,929.2	25.1
2/28/2025	35397	0.0900	12.38	0.092850	30,255	900	66,552	969,000	45706000	0	0.0	0	35397	902,447.7	26.8
Leap year			12.38	0.000000	0	900	0	0	45706000	0	0.0	0		0.0	
FEB SUBTOTAL	2,232,103.0	2.8					3,208,663.0	23,060,000.0			0.0			2,232,103.0	

STAR GOLF PARTNERS
DAILY ACCOUNTING LOG

Note: "Day" is defined as a 24-hour period beginning at 3:00 pm each day and ending at 3:00 pm

Column:	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
	Daily Golf Course Irrigation Water Demand:	Daily Surface Evaporation	Surface Area of Ponds 1, 2, 3	Calculated Surface Evaporation, Ponds 1, 2, 3 (day):	Surface Evaporation from Ponds 1, 2, 3 (day):	Evaporation from Pond 3 recirculation pump (day):	TOTAL DAILY DEMAND:	Available groundwater based return flow from WWTTP:	Cumulative groundwater based return flow	Amount of irrigation demands vs. creek (calculated based on projected)	Quantity Pumped from Brushy Creek 600 GPM pump	Cumulative Pumpage from Brushy Creek	Golf Course Irrigation Water Used	Supply Sufficient to Cover Uses?	Brushy Creek Flow Gauge 08105888
DAY															
	(projected need based on weather and historical usage)	(input based on USACE data for Lake Georgetown)					(1 ac-ft = 325,851 gal)	(conservative estimate)	(input from WWTTP operator e-mail by on 2.00 MGD permit limit)	(not to exceed annual flow based on 2.00 MGD permit)		(not to exceed 120 ac-ft. per year)	(input based on meter reading)	(input based on meter reading)	cubic feet per second
3/1/2025	258783	0.1100	12.38	0.113483	36,979	900	296,662	801,000	46507000	0	0.0	0	258783	504,338.3	24.3
3/2/2025	348793	0.1700	12.38	0.175383	57,149	900	406,842	966,000	47473000	0	0.0	0	348793	559,158.2	25.1
3/3/2025	9168	0.1700	12.38	0.175383	57,149	900	67,217	987,000	48460000	0	0.0	0	9168	919,783.2	26.0
3/4/2025	24105	0.1700	12.38	0.175383	57,149	900	82,154	976,000	49436000	0	0.0	0	24105	893,846.2	31.0
3/5/2025	30745	0.1300	12.38	0.134117	43,702	900	75,347	898,000	50340000	0	0.0	0	30745	822,653.0	28.5
3/6/2025	247803	0.1000	12.38	0.103167	33,617	900	282,320	915,000	51249000	0	0.0	0	247803	632,680.0	24.3
3/7/2025	90,307	0.1500	12.38	0.154750	50,425	900	141,632	943,000	52192000	0	0.0	0	90,307	801,367.6	26.8
3/8/2025	0	0.1900	12.38	0.196017	63,872	900	64,772	981,000	53173000	0	0.0	0	0	916,227.8	26.0
3/9/2025	597708	0.1800	12.38	0.185700	60,511	900	659,119	927,000	54100000	0	0.0	0	597708	267,881.5	23.5
3/10/2025	131291	0.1600	12.38	0.165067	53,787	900	185,978	975,000	55075000	0	0.0	0	131291	789,021.9	22.0
3/11/2025	370876	0.1300	12.38	0.134117	43,702	900	415,478	932,000	56007000	0	0.0	0	370876	516,522.0	19.0
3/12/2025	661126	0.1800	12.38	0.185700	60,511	900	722,537	995,000	57002000	0	0.0	0	661126	272,463.5	16.0
3/13/2025	229,731	0.2000	12.38	0.206333	67,234	900	297,865	994,000	57996000	0	0.0	0	229,731	696,135.1	16.1
3/14/2025	482,495	0.2200	12.38	0.226667	73,957	900	557,352	977,000	58973000	0	0.0	0	482,495	419,647.7	15.6
3/15/2025	309057	0.2100	12.38	0.216650	70,596	900	380,553	981,000	59954000	0	0.0	0	309057	272,463.5	17.4
3/16/2025	500352	0.1300	12.38	0.134117	43,702	900	544,954	946,000	60900000	0	0.0	0	500352	401,046.0	14.4
3/17/2025	404293	0.1200	12.38	0.123800	40,340	900	445,533	997,000	61897000	0	0.0	0	404293	551,466.6	13.9
3/18/2025	504136	0.1800	12.38	0.185700	60,511	900	565,547	1,023,000	62920000	0	0.0	0	504136	457,453.5	12.8
3/19/2025	419913	0.2000	12.38	0.206333	67,234	900	488,047	958,000	63878000	0	0.0	0	419913	469,953.1	12.8
3/20/2025	486207	0.1300	12.38	0.134117	43,702	900	530,809	966,000	64844000	0	0.0	0	486207	435,191.0	12.3
3/21/2025	262035	0.1100	12.38	0.113483	36,979	900	299,914	980,000	65824000	0	0.0	0	262035	262,035	17.6
3/22/2025	356267	0.1600	12.38	0.165067	53,787	900	410,954	945,000	66769000	0	0.0	0	356267	534,045.9	17.6
3/23/2025	487273	0.2000	12.38	0.206333	67,234	900	555,407	877,000	67646000	0	0.0	0	487273	321,593.1	18.2
3/24/2025	406826	0.2100	12.38	0.216650	70,596	900	478,322	958,000	68604000	0	0.0	0	406826	479,678.4	16.3
3/25/2025	784032	0.1900	12.38	0.196017	63,872	900	848,804	991,000	69695000	0	0.0	0	784032	142,195.8	15.1
3/26/2025	602269	0.2400	12.38	0.247600	80,681	900	683,850	1,058,000	70653000	0	0.0	0	602269	374,150.3	16.9
3/27/2025	64273	0.1900	12.38	0.196017	63,872	900	129,045	1,044,000	71697000	0	0.0	0	64273	914,954.8	21.0
3/28/2025	45599	0.1500	12.38	0.154750	50,425	900	96,924	1,021,000	72718000	0	0.0	0	45599	924,075.6	91.5
3/29/2025	27887	0.1800	12.38	0.185700	60,511	900	89,298	988,000	73706000	0	0.0	0	27887	898,702.5	52.5
3/30/2025	56284	0.2300	12.38	0.237283	77,319	900	134,503	979,000	74685000	0	0.0	0	56284	844,497.0	43.2
3/31/2025	182351	0.2100	12.38	0.216650	70,596	900	253,847	1,083,000	75768000	0	0.0	0	182351	829,153.4	35.1
MAR SUBTOTAL	9,381,985.0	5.3					11,191,584.0	30,062,000.0			0.0			9,381,985.0	

Note: "Day" is defined as a 24-hour period beginning at 3:00 pm each day and ending at 3:00 pm the following day.

— I — H — G — π — m

Daily Golf Course Irrigation Water Demand:	Daily Surface Evaporation	Surface Area of Ponds 1, 2, 3	Calculated Surface Evaporation, Ponds 1, 2, 3 (day):	Surface Evaporation from Pond 3 (day):	Evaporation from Pond 3 restriction pump (day):	TOTAL DAILY DEMAND:	Available groundwater based return flow from WWTP:	Cumulative groundwater based return flow	Amount of irrigation required from creek (calculated)	Projected demands vs. available (GWFr)	Quantity Pumped from Brushy Creek 600 GPM pump	Cumulative Pumpage from Brushy Creek	Golf Course Water Used	Supply Sufficient to Cover Uses?	Brushy Creek Flow Gauge 08105888
(Projected need based on USACE data for (input based on historical usage) (1 ac-ft = 325,851 gal) (conservative estimate) (columns C + G + H) 3,000 ppm each day) (input from WWTP operator e-mail by on 2/00 MWD permit limit) (not to exceed annual flow based on 200 MWD permit) (input based on meter reading) (not to exceed 120 ac-ft. per year) (input based on meter reading) (+M-G-H-Q) cubic feet per second)															
4/1/2025	240744	0.1600	12.38	0.165067	53.787	900	7956,000	76564000	0	0.0	0.0	0	240744	500,568.9	29
4/2/2025	188641	0.2200	12.38	0.226967	73.957	900	781,000	77345000	0	0.0	0.0	0	188641	517,501.7	37
4/3/2025	147972	0.2200	12.38	0.226967	73.957	900	776,000	77121000	0	0.0	0.0	0	147972	553,170.7	26.5
4/4/2025	74489	0.2100	12.38	0.216650	70.586	900	824,000	78945000	0	0.0	0.0	0	74489	678,015.4	25.5
4/5/2025	30031	0.1700	12.38	0.175383	57.149	900	802,000	79747000	0	0.0	0.0	0	30031	713,720.2	40.0
4/6/2025	141840	0.1000	12.38	0.103167	33.617	900	839,000	80586000	0	0.0	0.0	0	141840	662,643.0	27.0
4/7/2025	180541	0.1200	12.38	0.123800	40.340	900	718,000	81304000	0	0.0	0.0	0	180541	496,218.6	23.5
4/8/2025	361763	0.1100	12.38	0.113483	36.979	900	766,000	82070000	0	0.0	0.0	0	361763	366,358.3	20.0
4/9/2025	659877	0.1600	12.38	0.165067	53.787	900	749,000	82819000	0	0.0	0.0	0	659877	34,435.9	24.0
4/10/2025	717834	0.2000	12.38	0.206333	67.234	900	867,000	83686000	0	0.0	0.0	0	717834	81,032.1	17.0
4/11/2025	478531	0.2200	12.38	0.226967	73.957	900	837,000	84533000	0	0.0	0.0	0	478531	283,611.7	18.0
4/12/2025	506760	0.2200	12.38	0.226967	73.957	900	840,000	85363000	0	0.0	0.0	0	506760	298,882.7	18.0
4/13/2025	367659	0.2300	12.38	0.237283	77.319	900	751,000	86114000	0	0.0	0.0	0	367659	305,122.0	17.0
4/14/2025	663125	0.2300	12.38	0.237283	77.319	900	792,000	741,344	0	0.0	0.0	0	663125	50,656.0	15.0
4/15/2025	558971	0.2400	12.38	0.247600	80.681	900	788,000	87694000	0	0.0	0.0	0	558971	147,446.3	14.0
4/16/2025	708214	0.2100	12.38	0.216650	70.586	900	779,710	88556000	0	0.0	0.0	0	708214	82,290.4	13.0
4/17/2025	771224	0.2200	12.38	0.226967	73.957	900	885,000	86960000	0	0.0	0.0	0	771224	38,918.7	12.0
4/18/2025	655012	0.2300	12.38	0.237283	77.319	900	819,000	90260000	0	0.0	0.0	0	655012	85,769.0	14.0
4/19/2025	714704	0.2600	12.38	0.268233	87.404	900	837,000	91097000	0	0.0	0.0	0	714704	33,991.9	14.0
4/20/2025	578959	0.2300	12.38	0.237283	77.319	900	811,000	91908000	0	0.0	0.0	0	578959	153,822.0	21.0
4/21/2025	307615	0.1800	12.38	0.185700	60.511	900	747,000	92655000	0	0.0	0.0	0	307615	377,974.5	21.0
4/22/2025	626338	0.2300	12.38	0.237283	77.319	900	830,000	93485000	0	0.0	0.0	0	626338	125,443.0	16.0
4/23/2025	227967	0.2500	12.38	0.247600	80.681	900	759,000	94988000	0	0.0	0.0	0	227967	449,452.3	55.5
4/24/2025	149692	0.2100	12.38	0.216650	70.586	900	738,000	95726000	0	0.0	0.0	0	149692	516,812.4	40.0
4/25/2025	427186	0.2400	12.38	0.247600	80.681	900	508,467	96525000	0	0.0	0.0	0	427186	290,233.3	36.0
4/27/2025	418467	0.2500	12.38	0.257917	84.042	900	756,000	97981000	0	0.0	0.0	0	418467	252,590.6	34.0
4/28/2025	497454	0.2500	12.38	0.257917	84.042	900	840,000	98121000	0	0.0	0.0	0	497454	257,603.6	27.0
4/29/2025	341745	0.2600	12.38	0.268233	87.404	900	779,000	98932000	0	0.0	0.0	0	341745	380,950.9	25.0
4/30/2025	233192	0.2600	12.38	0.268233	87.404	900	321,496	99711000	0	0.0	0.0	0	233192	457,503.9	24.0
PPR SUBTOTAL	12,146,635.0	6.3					14,301,588.7	23,9943,000.0		0.0			12,146,635.0		

STAR GOLF PARTNERS
DAILY ACCOUNTING LOG

Note: "Day" is defined as a 24-hour period beginning at 3:00 pm each day and ending at 3:00 pm

Column:	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
DAY	Daily Golf Course Irrigation Water Demand:	Daily Surface Evaporation	Surface Area of Ponds 1, 2, 3	Calculated Surface Evaporation, Ponds 1, 2, 3 (day):	Surface Evaporation from Ponds 1, 2, 3 (day):	Evaporation from Pond 3 recirculation pump (day):	TOTAL DAILY DEMAND:	Available groundwater based return flow from WWTTP:	Cumulative groundwater based return flow	Amount of irrigation required from creek (calculated based on projected demands vs. available GWRF)	Quantity Pumped from Brushy Creek 600 GPM pump	Cumulative Pumpage from Brushy Creek	Golf Course Irrigation Water Used	Supply Sufficient to Cover Uses?	Brushy Creek Flow Gauge 08105888
	(projected need based on weather and historical usage)	(input based on USACE data for Lake Georgetown)			1 ac-ft = 325,851 gal.)	(conservative estimate)	(columns C + G + H) 3:00 pm each day)	(input from WWTTP operator e-mail by on 2:00 MGD permit)	(not to exceed annual flow based on 2.00 MGD permit limit)		(input based on meter reading)	(not to exceed 120 ac-ft. per year)	(input based on meter reading)	(I+M+G-H+O)	cubic feet per second
5/1/2025	139714	0.2200	12.38	0.226967	73.957	900	214,571	820,000	100531000	0	0.0	0	139714	605,428.7	31.4
5/2/2025	61611	0.2200	12.38	0.226967	73,957	900	136,468	827,000	101358000	0	0.0	0	61611	690,531.7	38.0
5/3/2025	101927	0.1600	12.38	0.165607	53,787	900	156,614	891,000	102249000	0	0.0	0	101927	734,385.9	27.1
5/4/2025	540069	0.1500	12.38	0.154750	50,425	900	591,394	815,000	103064000	0	0.0	0	540069	223,605.6	23.2
5/5/2025	0	0.1900	12.38	0.196017	63,872	900	64,772	811,000	103875000	0	0.0	0	0	746,227.8	33.2
5/6/2025	0	0.1500	12.38	0.154750	50,425	900	51,325	879,000	104754000	0	0.0	0	0	827,674.6	1,060.0
5/7/2025	38309	0.1900	12.38	0.196017	63,872	900	103,081	891,000	105645000	0	0.0	0	38309	787,918.8	335.0
5/8/2025	170184	0.1800	12.38	0.185700	60,511	900	231,595	863,000	106508000	0	0.0	0	170184	631,405.5	142.0
5/9/2025	335191	0.1900	12.38	0.196017	63,872	900	399,963	888,000	107396000	0	0.0	0	335191	488,036.8	89.8
5/10/2025	307174	0.1900	12.38	0.196017	63,872	900	371,946	870,000	108266000	0	0.0	0	307174	498,653.8	75.1
5/11/2025	518693	0.1800	12.38	0.185700	60,511	900	580,104	879,000	109033000	0	0.0	0	518693	186,896.5	64.6
5/12/2025	399741	0.1700	12.38	0.175383	57,149	900	457,790	109912000	110931000	0	0.0	0	399741	421,210.2	47.6
5/13/2025	615781	0.2300	12.38	0.237283	77,319	900	694,000	881,000	110793000	0	0.0	0	615781	187,000.0	38.0
5/14/2025	367613	0.3000	12.38	0.309500	100,851	900	469,364	869,000	111662000	0	0.0	0	367613	399,636.1	31.4
5/15/2025	598588	0.3000	12.38	0.309500	100,851	900	755,403	815,000	112477000	0	0.0	0	598588	59,597.1	3.4
5/16/2025	598588	0.3000	12.38	0.299183	97,489	900	541,124	862,000	113276000	0	0.0	0	442735	98,651.1	32.3
5/17/2025	442735	0.2900	12.38	0.288867	94,127	900	716,578	822,000	114960000	0	0.0	0	614827	105,422.1	40.0
5/18/2025	614827	0.3000	12.38	0.309500	100,851	900	700,349	799,000	115728000	0	0.0	0	63147	124,298.9	34.1
5/19/2025	832930	0.2800	12.38	0.288867	94,127	900	927,957	988,000	116835000	0	0.0	0	832930	60,042.5	36.0
5/20/2025	633147	0.2600	12.38	0.268233	87,404	900	721,451	887,000	117728000	0	0.0	0	633147	165,548.9	34.1
5/21/2025	680397	0.2600	12.38	0.268233	87,404	900	768,701	893,000	118635000	0	0.0	0	741390	124,298.9	29.6
5/22/2025	741390	0.2800	12.38	0.288867	94,127	900	836,357	918,000	118646000	0	0.0	0	634456	81,642.5	31.4
5/23/2025	634456	0.2900	12.38	0.299183	97,489	900	732,845	851,000	119497000	0	0.0	0	680397	118,154.8	38.0
5/24/2025	692144	0.3100	12.38	0.319817	104,213	900	676,510	840,000	120337000	0	0.0	0	71397	42,743.4	32.3
5/25/2025	571397	0.3100	12.38	0.319817	104,213	900	813,000	813,000	121150000	0	0.0	0	571397	136,490.4	32.3
5/26/2025	389832	0.3200	12.38	0.330133	107,574	900	498,306	836,000	121986000	0	0.0	0	389832	337,693.7	35.1
5/27/2025	293292	0.2100	12.38	0.216650	70,596	900	364,788	869,000	122855000	0	0.0	0	293292	504,212.4	119.0
5/28/2025	187024	0.2600	12.38	0.268233	87,404	900	275,328	844,000	123699000	0	0.0	0	187024	568,671.9	69.7
5/29/2025	180027	0.2300	12.38	0.237283	77,319	900	258,246	825,000	124524000	0	0.0	0	180027	566,754.0	278.0
5/30/2025	80188	0.2500	12.38	0.257917	84,042	900	165,130	779,000	125303000	0	0.0	0	80188	613,869.6	665.0
5/31/2025	218536	0.2200	12.38	0.226967	73,957	900	293,393	801,000	126104000	0	0.0	0	218536	507,606.7	278.0
MAY SUBTOTAL	12,040,519.0	7.4					14,552,712.5	26,393,000.0			0.0				12,040,519.0

STAR GOLF PARTNERS
DAILY ACCOUNTING LOG

Note: "Day" is defined as a 24-hour period beginning at 3:00 pm each day and ending at 3:00 pm

Column:

C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
Daily Golf Course Irrigation Water Demand:	Daily Surface Evaporation of Ponds 1, 2, 3	Surface Area of Ponds 1, 2, 3	Calculated Surface Evaporation, Ponds 1, 2, 3 (day):	Surface Evaporation from Pond 3 rectirulation (day):	Evaporation from Pond 3 pump (day):	TOTAL DAILY DEMAND:	Available groundwater based return flow from WWTP:	Cumulative groundwater based return flow (not to exceed annual flow based on 2.00 MGD permit limits)	Amount of irrigation required from creek (calculated based on projected demands vs. available GWHF)	Quantity Pumped from Brushy Creek 600 GPM pump (input based on meter reading)	Cumulative Pumpage from Brushy Creek (not to exceed 120 ac-ft. per year)	Golf Course Irrigation Water Used (input based on meter reading)	Supply Sufficient to Cover Uses?	Brushy Creek Flow Gauge 08105888
DAY														

	(input based on USACE data for lake)			(1 ac-ft = 325,851 gal)	(conservative estimate)	(columns C + G + H)	(input from WWTP operator e-mail by 3:00 pm each day)	(not to exceed annual flow based on 2.00 MGD permit limits)	based on projected demands vs. available GWHF	(input based on meter reading)	(not to exceed 120 ac-ft. per year)	(input based on meter reading)	(U+M-G-H-O)	cubic feet per second
6/1/2025	490264	0.2400	12.38	0.247600	80.681	571,845	901,000	127050000	0	0.0	0	490264	329,155.3	138.0
6/2/2025	463009	0.3000	12.38	0.309500	97,489	564,760	965,000	127970000	0	0.0	0	463009	400,240.1	98.8
6/3/2025	590939	0.2900	12.38	0.299183	900	689,328	877,000	128847000	0	0.0	0	590939	187,671.8	83.7
6/4/2025	456219	0.2800	12.38	0.288867	94,127	551,246	844,000	129691000	0	0.0	0	456219	292,753.5	64.8
6/5/2025	563092	0.2500	12.38	0.257917	84,042	648,034	892,000	130583000	0	0.0	0	563092	243,965.6	60.2
6/6/2025	535606	0.3000	12.38	0.309500	100,851	637,357	921,000	131504000	0	0.0	0	535606	283,643.1	52.9
6/7/2025	508955	0.3100	12.38	0.319817	104,213	614,068	1,032,000	132536000	0	0.0	0	508955	417,932.4	36.9
6/8/2025	632257	0.3000	12.38	0.309500	100,851	734,008	1,018,000	133554000	0	0.0	0	632257	283,992.1	30.7
6/9/2025	192108	0.3000	12.38	0.309500	100,851	729,859	972,000	134526000	0	0.0	0	192108	678,141.1	91.1
6/10/2025	190375	0.2800	12.38	0.288867	94,127	785,402	978,000	135504000	0	0.0	0	190375	692,197.5	60.2
6/11/2025	137248	0.2400	12.38	0.247600	80,681	718,829	1,011,000	136515000	0	0.0	0	137248	792,171.3	164.0
6/12/2025	186189	0.2400	12.38	0.247600	80,681	767,770	925,000	137440000	0	0.0	0	186189	657,230.3	194.0
6/13/2025	138422	0.2100	12.38	0.216650	70,596	709,918	866,000	138306000	0	0.0	0	138422	656,082.4	80.0
6/14/2025	143606	0.2800	12.38	0.288867	94,127	728,633	851,000	139157000	0	0.0	0	143606	612,366.5	63.2
6/15/2025	132939	0.2900	12.38	0.299183	97,489	721,328	857,000	140014000	0	0.0	0	132939	625,671.8	57.4
6/16/2025	155561	0.2100	12.38	0.216650	70,596	727,057	922,000	140936000	0	0.0	0	155561	694,543.4	40.2
6/17/2025	301411	0.2800	12.38	0.288867	94,127	736,438	989,000	141925000	0	0.0	0	301411	592,561.5	44.9
6/18/2025	374189	0.3000	12.38	0.309500	100,851	699,410	973,000	142898000	0	0.0	0	374189	497,060.1	32.7
6/19/2025	597659	0.3000	12.38	0.309500	100,851	699,461	1,019,000	143964000	0	0.0	0	597659	366,590.1	30.7
6/20/2025	456237	0.3100	12.38	0.319817	104,213	563,350	996,000	144960000	0	0.0	0	456237	432,650.4	26.9
6/21/2025	334195	0.3100	12.38	0.319817	104,213	439,308	1,038,000	145998000	0	0.0	0	334195	598,692.4	25.1
6/22/2025	507710	0.3000	12.38	0.309500	100,851	609,461	1,019,000	147017000	0	0.0	0	507710	409,538.1	24.2
6/23/2025	796023	0.3000	12.38	0.309500	100,851	897,774	981,000	147998000	0	0.0	0	796023	83,226.1	21.8
6/24/2025	662079	0.3000	12.38	0.309500	100,851	763,830	964,000	148962000	0	0.0	0	662079	200,170.1	23.4
6/25/2025	832951	0.2800	12.38	0.288867	94,127	927,978	1,044,000	150060000	0	0.0	0	832951	323,021.5	21.1
6/26/2025	1015677	0.2800	12.38	0.288867	94,127	1,110,704	1,029,000	151035000	81704	356,000.0	563000	1015677	274,395.5	20.4
6/27/2025	631602	0.2900	12.38	0.299183	97,489	729,991	987,000	152022000	0	322,000.0	885000	631602	579,008.8	18.4
6/28/2025	785144	0.3100	12.38	0.319817	104,213	890,257	995,000	153017000	0	347,000.0	1232000	785144	451,743.4	16.4
6/29/2025	1032283	0.3100	12.38	0.319817	104,213	1,137,396	977,000	153994000	160396	369,000.0	1601000	1032283	208,604.4	17.7
6/30/2025	603784	0.3000	12.38	0.309500	100,851	705,535	1,010,000	155004000	0	0.0	1601000	603784	304,465.1	
JUNE SUBTOTAL	14,449,733.0	8.5				17,330,813.0	28,900,000.0			1,601,000.0			14,449,733.0	

STAR GOLF PARTNERS
DAILY ACCOUNTING LOG

Note: "Day" is defined as a 24-hour period beginning at 3:00 pm each day and ending at 3:00 pm

Column:	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
	Daily Golf Course Irrigation Water Demand	Daily Surface Evaporation	Surface Area of Ponds 1, 2, 3	Calculated Surface Evaporation, Ponds 1, 2, 3 (day):	Surface Evaporation from Ponds 1, 2, 3 (day):	Evaporation from Pond 3 recirculation pump (day):	TOTAL DAILY DEMAND:	Available groundwater based return flow from WWTP:	Cumulative groundwater flow based return flow	Amount of irrigation required from creek (calculated based on projected demands vs. GWRF)	Quantity Pumped from Brushy Creek 600 GPM pump	Cumulative Pumpage from Brushy Creek	Golf Course Irrigation Water Used	Supply Sufficient to Cover Uses?	Brushy Creek Flow Gauge
DAY	(projected need based on weather and historical usage)	(input based on USACE data for Lake Georgetown)			(1 ac-ft = 325,851 gal.)	(conservative estimate)	(columns C + G + H) 3.00 pm each day)	(input from WWTP operator e-mail by on 2:00 MGD permit limit)	(not to exceed annual flow based on 2.00 MGD permit)		(input based on meter reading)	(not to exceed 120 ac-ft. per year)	(input based on meter reading)	(1+M-G+H-O)	cubic feet per second
7/1/2025	704925	0.2600	12.38	0.268233	87.404	900	793.229	1,089,000	156093000	0	0.0	1601000	704925	295,770.9	24.1
7/2/2025	764729	0.2900	12.38	0.299183	97.489	900	863.118	1,125,000	157218000	0	340,000.0	1941000	764729	601,881.8	21.2
7/3/2025	166699	0.2500	12.38	0.257917	84.042	900	251.641	996,000	158214000	0	0.0	1941000	166699	744,358.6	269.0
7/4/2025	38262	0.2300	12.38	0.237283	77.319	900	116.481	1,254,000	159468000	0	0.0	1941000	38262	1,137,519.0	4.6
7/5/2025	125531	0.2200	12.38	0.226967	73.957	900	200.388	1,181,000	160649000	0	0.0	1941000	125531	980,611.7	2,700.0
7/6/2025	701196	0.2100	12.38	0.216650	70.596	900	772.692	1,244,000	161893000	0	0.0	1941000	701196	471,308.4	780.0
7/7/2025	418692	0.2200	12.38	0.226967	73.957	900	493.549	1,293,000	163186000	0	0.0	1941000	418692	799,450.7	729.0
7/8/2025	479160	0.2500	12.38	0.257917	84.042	900	564.102	1,281,000	164467000	0	0.0	1941000	479160	716,897.6	592.0
7/9/2025	19198	0.2700	12.38	0.278550	90.766	900	110.864	1,312,000	165739000	0	0.0	1941000	19198	1,201,136.2	547.0
7/10/2025	192065	0.2200	12.38	0.226967	73.957	900	266.922	937,000	166716000	0	0.0	1941000	192065	670,077.7	455.0
7/11/2025	82878	0.2800	12.38	0.288867	94.127	900	177.905	904,000	167620000	0	375.0	1941000	82878	726,094.5	375.0
7/12/2025	87257	0.2700	12.38	0.278550	90.766	900	178.923	802,000	168422000	0	0.0	1941000	87257	623,077.2	317.0
7/13/2025	316722	0.2800	12.38	0.288867	94.127	900	411.749	799,000	169221000	0	0.0	1941000	316722	387,250.5	427.0
7/14/2025	102115	0.2100	12.38	0.216650	70.596	900	173.611	818,000	170039000	0	0.0	1941000	102115	644,389.4	293.0
7/15/2025	293,283	0.2700	12.38	0.278550	90.766	900	384.949	791,000	170830000	0	0.0	1941000	293,283	406,051.2	193.0
7/16/2025	723589	0.2800	12.38	0.288867	94.127	900	818.066	859,000	171689000	0	0.0	1941000	723589	40,383.5	164.0
7/17/2025	614979	0.2800	12.38	0.288867	94.127	900	710.066	817,000	172506000	0	0.0	1941000	614979	106,993.5	152.0
7/18/2025	593366	0.2700	12.38	0.278550	90.766	900	685.032	772,000	173278000	0	0.0	1941000	593366	86,968.2	129.0
7/19/2025	746552	0.2900	12.38	0.299183	97.489	900	844.941	896,000	174174000	0	0.0	1941000	746552	51,058.8	117.0
7/20/2025	752884	0.2700	12.38	0.278550	90.766	900	844.550	901,000	175075000	0	0.0	1941000	752884	56,450.2	114.0
7/21/2025	933397	0.2600	12.38	0.268233	87.404	900	1,021.701	885,000	175966000	136701	338,000.0	2279000	933397	201,298.9	96.3
7/22/2025	498866	0.2700	12.38	0.278550	90.766	900	591.552	869,000	176829000	0	0.0	2279000	498866	277,448.2	70.2
7/23/2025	1055245	0.2800	12.38	0.288867	94.127	900	1,150.272	1,041,000	177877000	109272	320,000.0	2599000	1055245	210,777.5	58.5
7/24/2025	947123	0.2900	12.38	0.299183	97.489	900	1,045.512	1,023,000	178893000	22512	227,000.0	2826000	947123	204,487.8	49.4
7/25/2025	862047	0.2900	12.38	0.299183	97.489	900	960.436	1,019,000	179912000	0	214,000.0	3040000	862047	272,563.8	51.2
7/26/2025	591802	0.2700	12.38	0.278550	90.766	900	683.468	968,000	180880000	0	0.0	3040000	591802	284,532.2	44.2
7/27/2025	637413	0.2700	12.38	0.278550	90.766	900	729.079	899,000	181779000	0	0.0	3040000	637413	169,921.2	46.4
7/28/2025	891539	0.2600	12.38	0.268233	87.404	900	979.843	1,044,000	182823000	0	0.0	3040000	891539	64,156.9	42.3
7/29/2025	923775	0.2800	12.38	0.288867	94.127	900	1,053.158	1,105,000	183928000	0	301,000.0	3341000	923775	352,841.5	36.2
7/30/2025	923775	0.2600	12.38	0.268233	87.404	900	1,012.079	1,176,000	185104000	0	346,000.0	3687000	923775	509,920.9	35.8
7/31/2025	848704	0.2800	12.38	0.288867	94.127	900	943.731	1,089,000	186193000	0	298,000.0	3985000	848704	443,268.5	26.0
JULY SUBTOTAL	17,073,144.0	8.1					19,834,103.0	31,189,000.0			2,384,000.0			17,073,144.0	

STAR GOLF PARTNERS
DAILY ACCOUNTING LOG

Note: "Day" is defined as a 24-hour period beginning at 3:00 pm each day and ending at 3:00 pm

Column:

DAY	Daily Golf Course Irrigation Water Demand:	Daily Surface Evaporation	Surface Area of Ponds 1, 2, 3	Calculated Surface Evaporation, Ponds 1, 2, 3 (day):	Surface Evaporation from Ponds 1, 2, 3 (day):	Evaporation from Pond 3 recirculation pump (day):	TOTAL DAILY DEMAND:	Available Groundwater based return flow from WWTP:	Cumulative Groundwater based return flow	Amount of irrigation required from creek (calculated based on projected demands vs. available GWR)	Quantity Pumped from Brushy Creek 600 GPM pump	Cumulative Pumpage from Brushy Creek	Golf Course Irrigation Water Used	Supply Sufficient to Cover Uses?	Brushy Creek Flow Gauge 08105888
(projected need based on weather and historical usage)															
(input based on USACE data for Lake Georgetown)															
8/1/2025	752202	0.3400	12.38	0.350767	114.298	900	867,400	847,000	187040000	524750	382,000.0	4367000	752202	361,600.3	26.9
8/2/2025	828189	0.3100	12.38	0.319817	104,213	900	933,302	839,000	187679000	95078	365,000.0	4732000	828189	270,698.4	39.1
8/3/2025	897199	0.2700	12.38	0.278550	90,766	900	988,865	844,000	188723000	144865	305,000.0	5037000	897199	160,135.2	28.7
8/4/2025	699958	0.3300	12.38	0.340450	110,936	900	811,794	918,000	189641000	0	0.0	5037000	699958	106,206.0	26.0
8/5/2025	838832	0.2600	12.38	0.268233	87,404	900	927,136	968,000	190609000	0	0.0	5037000	838832	40,863.9	30.3
8/6/2025	953709	0.3000	12.38	0.309500	100,851	900	1,055,460	888,000	191497000	167460	296,000.0	5333000	953709	128,540.1	21.2
8/7/2025	701041	0.3200	12.38	0.330133	107,574	900	809,515	893,000	192390000	0	0.0	5333000	701041	83,484.7	19.1
8/8/2025	615636	0.3100	12.38	0.319817	104,213	900	720,749	851,000	193241000	0	0.0	5333000	615636	130,251.4	18.9
8/9/2025	854726	0.3300	12.38	0.340450	110,936	900	966,562	1,037,000	194278000	0	0.0	5333000	854726	70,438.0	16.1
8/10/2025	665515	0.3200	12.38	0.330133	107,574	900	809,515	912,000	195129000	0	0.0	5333000	665515	138,010.7	18.1
8/11/2025	776343	0.3100	12.38	0.319817	104,213	900	881,456	939,000	196129000	0	0.0	5333000	776343	57,544.4	19.1
8/12/2025	718115	0.3200	12.38	0.330133	107,574	900	826,589	877,000	197006000	0	0.0	5333000	718115	50,410.7	15.1
8/13/2025	848930	0.2700	12.38	0.278550	90,766	900	940,596	967,000	197973000	0	442,000.0	5755000	848930	468,404.2	15.1
8/14/2025	902009	0.2700	12.38	0.278550	90,766	900	993,675	944,000	198917000	49675	428,000.0	6203000	902009	468,900.7	15.1
8/15/2025	247625	0.3200	12.38	0.330133	107,574	900	356,099	825,000	199742000	0	0.0	6203000	247625	378,325.2	34.4
8/16/2025	708073	0.2900	12.38	0.299183	97,489	900	806,462	839,000	200561000	0	377,000.0	6580000	708073	409,537.8	17.1
8/17/2025	1020885	0.3000	12.38	0.309500	100,851	900	1,122,636	1,007,000	201588000	115636	387,000.0	6967000	1020885	271,364.1	16.1
8/18/2025	446229	0.3100	12.38	0.319817	104,213	900	551,342	791,000	202379000	0	0.0	6967000	446229	239,658.4	15.1
8/19/2025	734574	0.3200	12.38	0.330133	107,574	900	843,048	916,000	203295000	0	409,000.0	7376000	734574	481,951.7	13.1
8/20/2025	861518	0.2300	12.38	0.237283	77,319	900	939,737	959,000	204254000	0	0.0	7815000	861518	458,763.0	13.1
8/21/2025	276966	0.2500	12.38	0.257917	84,042	900	361,938	866,000	205120000	0	0.0	7815000	276966	504,061.6	606.0
8/22/2025	380297	0.2100	12.38	0.216650	79,596	900	451,793	790,000	205910000	0	133,000.0	7948000	380297	471,207.4	63.6
8/23/2025	617147	0.2500	12.38	0.257917	84,042	900	702,089	802,000	206712000	0	476,000.0	8424000	617147	575,910.6	32.6
8/24/2025	1251825	0.2500	12.38	0.257917	84,042	900	1,336,767	844,000	207556000	492767	518,000.0	8942000	1251825	25,232.6	27.2
8/25/2025	556486	0.2700	12.38	0.278550	90,766	900	648,152	816,000	208372000	0	0.0	8942000	556486	167,848.2	24.2
8/26/2025	911611	0.2700	12.38	0.278550	90,766	900	1,003,277	969,000	209341000	34277	382,000.0	9324000	911611	347,723.2	19.2
8/27/2025	1057486	0.2700	12.38	0.278550	90,766	900	1,149,152	908,000	210249000	241152	502,000.0	9826000	1057486	260,848.2	17.1
8/28/2025	139599	0.2700	12.38	0.278550	90,766	900	291,265	883,000	211132000	0	486,000.0	10312000	139599	1,077,735.2	14.1
8/29/2025	933110	0.3000	12.38	0.309500	100,851	900	1,034,861	959,000	212091000	75861	541,000.0	10853000	933110	465,139.1	13.1
8/30/2025	588053	0.2800	12.38	0.288867	94,127	900	683,080	847,000	212938000	0	305,000.0	11158000	588053	468,919.5	13.1
8/31/2025	891044	0.2600	12.38	0.268233	87,404	900	979,348	971,000	213909000	8348	511,000.0	11669000	891044	502,651.9	19.1
AUG SUBTOTAL	22,734,962.0	8.9					25,758,133.3	27,716,000.0			7,684,000.0			22,734,962.0	

Assessment of Adequacy of Remaining Flows

The application only requests to discharge and subsequently divert groundwater. The amount of water diverted will not exceed the amount of water discharged, less losses, therefore there should be no changes to downstream instream flows or freshwater inflows.

Execution Version

AMENDED AND RESTATED EFFLUENT USE AGREEMENT

STATE OF TEXAS §
 §
COUNTY OF WILLIAMSON §

This Amended and Restated Effluent Use Agreement (this "Agreement") is entered into effective as of August 22, 2025 (the "Effective Date") between **SWWC UTILITIES, INC.**, a Delaware corporation d/b/a in Texas as **WINDERMERE UTILITY COMPANY** (the "Company"), and **STAR GOLF PARTNERS, LTD.**, a Texas limited partnership (the "Customer"). The Company and the Customer may each be referred to herein as a "Party" and collectively as the "Parties".

RECITALS:

WHEREAS, the Company owns and operates a Wastewater Treatment Plant (defined herein) under the Discharge Permit (defined herein), which produces Effluent (defined herein); and

WHEREAS, the Company provides wholesale wastewater treatment and disposal services to Williamson County Water, Sewer, Irrigation, and Drainage District No. 3 ("District No. 3") pursuant to that certain Second Amended and Restated Agreement for Providing Wholesale Wastewater Service dated effective October 29, 2010 (as amended, the "District No. 3 Wastewater Agreement"); and

WHEREAS, the Company provides wholesale wastewater treatment and disposal services to Williamson County Municipal Utility District No. 22 ("District No. 22"; and together with District No. 3, the "Districts") pursuant to that certain Agreement for Providing Wholesale Wastewater Service dated effective October 29, 2010 (as amended, the "District No. 22 Wastewater Agreement"; and together with the District No. 3 Wastewater Agreement, the "Wastewater Agreements"); and

WHEREAS, the Wastewater Agreements contemplate that, in the interest of water conservation and water quality, Effluent will be re-used for irrigation of parkland and other lands in the Districts or at other locations as may be authorized by TCEQ (defined herein), as and where appropriate, and to the extent economically feasible; and

WHEREAS, TCEQ has issued to the parties the Water Right (defined herein) which authorizes the use of the Effluent; and

WHEREAS, the Customer desires to use Effluent for irrigation of the Star Ranch Golf Club ("Golf Property") located within the boundaries of the Districts; and

WHEREAS, the Customer also desires to use Effluent for irrigation of parkland and other lands in the Districts, including certain landscaped areas owned by the Star Ranch Community, Inc. ("HOA"), a homeowner association for certain properties located within the Districts; and

WHEREAS, for purposes of promoting the conservation of water resources and minimizing discharges of Effluent into the state's waterways, the Company desires to make all Effluent available to the Customer for reuse in accordance with the Wastewater Agreements and this Agreement and as authorized by the Water Right (defined herein); and

WHEREAS, the Parties previously entered into that certain Effluent Use Agreement dated effective December 23, 2013 (the "Original Agreement"), which set forth the terms and conditions on which the Company would make Effluent available to the Customer; and

WHEREAS, the Parties now desire to amend and restate the Original Agreement in its entirety in accordance with the terms and conditions hereinafter set forth.

NOW THEREFORE, in consideration of the mutual covenants and agreements contained herein, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, including the Customer's grant of certain easements to the Company, the Parties agree as follows:

The Company and the Customer agree that the foregoing recitals:

- a. Are true and correct as of the Effective Date; and
- b. Are fully incorporated into this Agreement for all purposes.

SECTION 1. DEFINITION OF TERMS

The following terms and expressions as used in this Agreement shall have the following meanings:

1.1 "COMPANY FACILITIES" means the facilities necessary to convey Effluent from the Wastewater Treatment Plant to the Customer at the point of delivery, including the Effluent ponds, Effluent storage tank, and pump stations.

1.2 "DISCHARGE PERMIT" means TPDES Permit No. WQ0013866001, as renewed and amended from time to time.

1.3 "EFFLUENT" means the treated wastewater effluent produced from the Wastewater Treatment Plant.

1.4 "TCEQ" means the Texas Commission on Environmental Quality, or its successor agency.

1.5 "WATER RIGHT" means TCEQ Water Use Permit No. 130906, issued to the Parties, at it may be amended from time to time.

STAR GOLF PARTNERS
DAILY ACCOUNTING LOG

Note: "Day" is defined as a 24-hour period beginning at 3:00 pm each day and ending at 3:00 pm

Column:	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
DAY	Daily Golf Course Irrigation Water Demand:	Daily Surface Evaporation	Surface Area of Ponds 1, 2, 3	Calculated Surface Evaporation, Ponds 1, 2, 3 (day):	Surface Evaporation from Ponds 1, 2, 3 (day):	Evaporation from Pond 3 rectification pump (day):	TOTAL DAILY DEMAND:	Available groundwater based return flow from WWTP:	Cumulative groundwater based return flow	Amount of irrigation required from creek (calculated based on projected demands vs. GWFF)	Quantity Pumped from Brushy Creek 600 GPM pump	Cumulative Pumpage from Brushy Creek	Golf Course Irrigation Water Used	Supply Sufficient to Cover Used?	Brushy Creek Flow Gauge 08105888
	(projected need based on weather and historical usage)	(input based on USACE data for Lake Georgetown)			(1 ac-ft = 325,851 gal)	(conservative estimate)	(columns C + G + H) 3:00 pm each day)	(input from WWTP operator e-mail by on 2.00 MGD permit)	(not to exceed annual flow based on 2.00 MGD permit limit)		(input based on meter reading)	(not to exceed 120 ac-ft. per year)	(input based on meter reading)	(1+M-G-H-Q)	cubic feet per second
9/1/2025	269903	0.2000	12.38	0.206533	67,234	900	338,037	827,000	214736000	0	0.0	11669000	269903	488,963.1	21.8
9/2/2025	595563	0.2100	12.38	0.216650	70,596	900	667,059	769,000	215505000	0	0.0	11669000	595563	101,941.4	18.4
9/3/2025	956941	0.2300	12.38	0.237283	77,319	900	1,035,160	794,000	216299000	244160	364,000.0	12033000	956941	122,840.0	15.8
9/4/2025	848479	0.2100	12.38	0.216650	70,596	900	919,975	776,000	217075000	149975	339,000.0	12372000	848479	195,025.4	13.5
9/5/2025	910753	0.2600	12.38	0.268233	87,404	900	999,057	780,000	217855000	219057	414,000.0	12786000	910753	194,942.9	14.5
9/6/2025	557025	0.2800	12.38	0.288667	94,127	900	652,052	761,000	218616000	0	0.0	12786000	557025	108,947.5	14.6
9/7/2025	441779	0.1900	12.38	0.196017	63,872	900	506,551	749,000	219365000	0	0.0	12786000	441779	242,448.8	34.7
9/8/2025	720290	0.1800	12.38	0.185700	60,511	900	781,701	834,000	220199000	0	0.0	12786000	720290	52,299.5	22.6
9/9/2025	1027173	0.1900	12.38	0.196017	63,872	900	1,091,945	811,000	221010000	280945	326,000.0	13112000	1027173	45,054.8	17.1
9/10/2025	736370	0.2000	12.38	0.206533	67,234	900	804,504	777,000	221787000	27504	311,000.0	13423000	736370	283,986.1	14.1
9/11/2025	961474	0.2200	12.38	0.226967	73,957	900	1,036,331	812,000	222599000	224331	302,000.0	13725000	961474	77,668.7	13.5
9/12/2025	788231	0.2300	12.38	0.237283	77,319	900	866,450	762,000	223361000	104450	338,000.0	14063000	788231	233,550.0	15.2
9/13/2025	473765	0.2400	12.38	0.247600	80,681	900	555,346	738,000	224099000	0	0.0	14063000	473765	182,654.3	13.5
9/14/2025	673660	0.2300	12.38	0.237283	77,319	900	751,879	719,000	224818000	32879	235,000.0	14298000	673660	202,121.0	14.6
9/15/2025	952280	0.2200	12.38	0.226967	73,957	900	557,581	709,000	225527000	0	0.0	14298000	952280	151,419.0	14.1
9/16/2025	553229	0.2200	12.38	0.226967	73,957	900	1,027,147	739,000	226266000	288147	345,000.0	14643000	553229	56,852.7	9.7
9/17/2025	933345	0.2300	12.38	0.237283	77,319	900	628,086	705,000	226971000	0	329,000.0	14972000	933345	405,913.7	7.6
9/18/2025	609484	0.2300	12.38	0.237283	77,319	900	1,011,564	712,000	227683000	299564	357,000.0	15329000	609484	57,436.0	7.6
9/19/2025	802061	0.2200	12.38	0.226967	73,957	900	687,703	720,000	228403000	129918	351,000.0	15680000	802061	383,297.0	7.6
9/20/2025	1060399	0.2400	12.38	0.247600	80,681	900	876,918	747,000	229150000	0	372,000.0	16052000	1060399	242,081.7	11.4
9/21/2025	632261	0.2400	12.38	0.247600	80,681	900	1,141,920	732,000	229882000	409920	426,000.0	16478000	632261	16,080.3	11.4
9/22/2025	897560	0.2500	12.38	0.257917	84,042	900	713,842	749,000	230631000	0	0.0	16478000	897560	35,158.3	8.3
9/23/2025	996895	0.2600	12.38	0.268233	87,404	900	982,502	817,000	231362000	251502	386,000.0	16864000	996895	134,497.6	5.4
9/24/2025	584872	0.1700	12.38	0.175383	57,149	900	1,085,199	817,000	232179000	768199	340,000.0	17204000	584872	71,800.9	5.0
9/25/2025	525552	0.1600	12.38	0.165067	53,787	900	642,921	758,000	232937000	0	0.0	17204000	525552	115,079.2	5.4
9/26/2025	935111	0.1700	12.38	0.175383	57,149	900	580,239	749,000	233686000	205160	529,000.0	17686000	935111	650,760.9	2.8
9/27/2025	920307	0.1800	12.38	0.185700	60,511	900	981,718	788,000	234474000	248718	437,000.0	18215000	920307	323,840.2	4.9
9/28/2025	488841	0.1800	12.38	0.185700	60,511	900	981,718	733,000	235207000	0	0.0	18652000	488841	188,282.5	5.8
9/29/2025	1011280	0.1800	12.38	0.185700	60,511	900	550,252	811,000	236018000	0	0.0	18652000	1011280	260,748.5	5.3
9/30/2025							1,072,691	779,000	236797000	293691	393,000.0	19045000		99,309.5	5.4
SEPT SUBTOTAL	22,344,195.0	6.5					24,539,489.0	22,888,000.0			7,376,000.0			22,344,195.0	

STAR GOLF PARTNERS
DAILY ACCOUNTING LOG

Note: "Day" is defined as a 24-hour period beginning at 3:00 pm each day and ending at 3:00 pm

Column:	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
	Daily Golf Course Irrigation Water Demand:	Daily Surface Evaporation	Surface Area of Ponds 1, 2, 3	Calculated Surface Evaporation, Ponds 1, 2, 3 (day):	Surface Evaporation from Ponds 1, 2, 3 (day):	Evaporation from Pond 3 recirculation pump (day):	TOTAL DAILY DEMAND:	Available groundwater based return flow from WWTP:	Cumulative Groundwater based return flow (not to exceed annual flow based on 2.00 MGD permit limit)	Amount of irrigation required from creek (calculated based on projected demands vs. GWRT)	Quantity Pumped from Brushy Creek 600 GPM pump (input based on meter reading)	Cumulative Pumpage from Brushy Creek (not to exceed 120 ac-ft. per year)	Golf Course Irrigation Water Used (input based on meter reading)	Supply Sufficient to Cover Uses?	Brushy Creek Flow Gauge 08105888
DAY	(projected need based on weather and historical usage)	(input based on USAC data for Late Georgetown)			(1 ac-ft. = 325,851 gal.)	(conservative estimate)	(columns C + G + H) 3:00 pm each day)	(input from WWTP operator e-mail by 3:00 pm each day)							cubic feet per second
10/1/2025	690180	0.2000	12.38	0.206333	67,234	900	758,314	237596000	0	144,000.0	19189000	690180	184,686.1		2.1
10/2/2025	464372	0.2100	12.38	0.216650	70,596	900	726,000	238322000	0	0.0	19189000	464372	102,132.4		2.2
10/3/2025	556477	0.2100	12.38	0.216650	70,596	900	730,000	239052000	0	0.0	19189000	556477	102,027.4		2.4
10/4/2025	643580	0.2100	12.38	0.216650	70,596	900	743,000	239795000	0	224,000.0	19413000	643580	251,924.4		2.4
10/5/2025	502354	0.1900	12.38	0.196017	63,872	900	725,000	240520000	0	0.0	19413000	502354	157,873.8		4.9
10/6/2025	627589	0.1900	12.38	0.196017	63,872	900	752,000	241272000	0	0.0	19413000	627589	59,638.8		2.1
10/7/2025	1013373	0.2000	12.38	0.206333	67,234	900	1,081,407	242041000	312407	353,000.0	19766000	1013373	40,593.1		3.2
10/8/2025	522137	0.2000	12.38	0.206333	67,234	900	590,271	242822000	0	0.0	19766000	522137	190,729.1		2.2
10/9/2025	820487	0.2000	12.38	0.206333	67,234	900	888,621	243618000	92621	329,000.0	20095000	820487	236,379.1		2.1
10/10/2025	790989	0.1900	12.38	0.196017	63,872	900	855,761	244362000	111761	377,000.0	20422000	790989	215,238.8		4.9
10/11/2025	516968	0.1700	12.38	0.175383	57,149	900	575,017	245090000	0	0.0	20422000	516968	152,983.2		5.9
10/12/2025	591396	0.1800	12.38	0.185700	60,511	900	652,807	245807000	0	360,000.0	20782000	591396	424,193.5		6.4
10/13/2025	444828	0.1800	12.38	0.185700	60,511	900	506,239	246546000	0	0.0	20782000	444828	232,761.5		6.4
10/14/2025	818049	0.1700	12.38	0.175383	57,149	900	876,098	247315000	107098	315,000.0	21097000	818049	207,902.2		5.9
10/15/2025	1032322	0.1700	12.38	0.175383	57,149	900	1,090,371	248068000	337371	375,000.0	21472000	1032322	37,629.2		4.3
10/16/2025	666673	0.1700	12.38	0.175383	57,149	900	727,722	248858000	0	0.0	21472000	666673	62,278.2		2.8
10/17/2025	486237	0.1600	12.38	0.165067	53,787	900	540,924	249621000	0	0.0	21472000	486237	222,075.9		3.3
10/18/2025	719684	0.1900	12.38	0.196017	63,872	900	784,456	250340000	65456	361,000.0	21833000	719684	295,543.8		2.2
10/19/2025	580854	0.1800	12.38	0.185700	60,511	900	642,265	251098000	0	0.0	21833000	580854	115,735.5		3.7
10/20/2025	706534	0.1300	12.38	0.134117	43,702	900	751,136	251885000	0	0.0	21833000	706534	35,864.0		4.9
10/21/2025	784442	0.1900	12.38	0.196017	63,872	900	849,214	252618000	116214	206,000.0	22039000	784442	89,785.8		4.4
10/22/2025	855813	0.1500	12.38	0.154750	50,425	900	907,138	253377000	148138	235,000.0	22274000	855813	86,861.6		2.4
10/23/2025	644114	0.1600	12.38	0.165067	53,787	900	698,801	254105000	0	248,000.0	22522000	644114	487,245.2		2.2
10/24/2025	170706	0.1700	12.38	0.175383	57,149	900	728,000	254821000	0	0.0	22522000	170706	1707.06		2.8
10/25/2025	59567	0.1500	12.38	0.154750	50,425	900	110,892	255545000	0	0.0	22522000	59567	613,107.6		166.0
10/26/2025	191677	0.1200	12.38	0.123800	40,340	900	232,917	256282000	0	0.0	22522000	191677	504,082.6		216.0
10/27/2025	108928	0.1300	12.38	0.134117	43,702	900	133,530	257003000	0	0.0	22522000	108928	567,470.0		94.6
10/28/2025	131880	0.1600	12.38	0.165067	53,787	900	186,567	257754000	0	0.0	22522000	131880	564,432.9		58.7
10/29/2025	576028	0.1100	12.38	0.113483	36,979	900	613,907	258498000	0	0.0	22522000	576028	130,093.3		47.4
10/30/2025	486819	0.0700	12.38	0.072217	23,532	900	511,251	259215000	0	0.0	22522000	486819	205,749.1		41.3
10/31/2025	241169	0.0700	12.38	0.072217	23,532	900	265,601	259954000	0	0.0	22522000	241169	473,399.1		
OCT SUBTOTAL	17,449,126.0	5.2					19,218,384.6	23,157,000.0		3,477,000.0			17,449,126.0		

STAR GOLF PARTNERS

Note: "Day" is defined as a 24-hour period beginning at 3:00 pm each day and ending at 3:00 pm

DAILY ACCOUNTING LOG

Column:

DAY	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
	Daily Golf Course Irrigation Water Demand:	Daily Surface Evaporation	Surface Area of Ponds 1, 2, 3	Calculated Surface Evaporation, Ponds 1, 2, 3 (day):	Surface Evaporation from Ponds 1, 2, 3 (day):	Evaporation from Pond 3 recirculation pump (day):	TOTAL DAILY DEMAND:	Available groundwater based return flow from WWTP:	Cumulative groundwater based return flow	Amount of irrigation required from creek (calculated based on projected demands vs. available GWRF)	Quantity Pumped from Brushy Creek 600 GPM pump	Cumulative Pumpage from Brushy Creek	Golf Course Irrigation Water Used	Supply Sufficient to Cover Uses?	Brushy Creek Flow Gauge 08105888
	(projected need based on weather and historical usage)	(input based on USACE data for Lake Georgetown)			1 ac-ft = 325,851 gal.)	(conservative estimate)	(columns C + G + H) 3:00 pm each day)	(input from WWTP operator e-mail by annual flow based on 2.00 MGD permit limit)			(input based on meter reading)	(not to exceed 120 ac-ft. per year)	(input based on meter reading)	(1+M-G-H-O)	cubic feet per second
11/1/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/2/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/3/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/4/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/5/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/6/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/7/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/8/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/9/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/10/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/11/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/12/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/13/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/14/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/15/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/16/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/17/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/18/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/19/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/20/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/21/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/22/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/23/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/24/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/25/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/26/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/27/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/28/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/29/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
11/30/2025			12.38	0.000000	0	900	900	259954000	900	0.0	22522000			(900.0)	
NOV SUBTOTAL	0.0	0.0					27,000.0	0.0			0.0		0.0		

STAR GOLF PARTNERS
DAILY ACCOUNTING LOG

Note: "Day" is defined as a 24-hour period beginning at 3:00 pm each day and ending at 3:00 pm

Column:

Column:	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
	Daily Golf Course Irrigation Water Demand:	Daily Surface Evaporation of Ponds 1, 2, 3	Surface Area of Ponds 1, 2, 3	Calculated Surface Evaporation, Ponds 1, 2, 3 (day):	Surface Evaporation from Ponds 1, 2, 3 (day):	Evaporation from Pond 3 recirculation pump (day):	TOTAL DAILY DEMAND:	Available groundwater based return flow from WWTB:	Cumulative groundwater based return flow	Amount of irrigation required from creek (calculated based on projected demands vs. available GWB?)	Quantity Pumped from Brushy Creek 600 GPM pump	Cumulative Pumpage from Brushy Creek	Golf Course Irrigation Water Used	Supply Sufficient to Cover Uses?	Brushy Creek Flow Gauge 08105888
DAY	(projected need based on weather and historical usage)	(input based on USACE data for Lake Georgetown)			[1 ac-ft = 325,851 gal] estimate	(conservative estimate)	(columns C + G + H) 3.00 pm each day	(input from WWTB operator e-mail by 2:00 MGS permit limit)	annual flow based on 2.00 MGS permit limit		(input based on meter reading)	(not to exceed 120 ac-ft. per year)	(input based on meter reading)	(I+M-G-H-O)	cubic feet per second
12/1/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/2/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/3/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/4/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/5/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/6/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/7/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/8/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/9/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/10/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/11/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/12/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/13/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/14/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/15/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/16/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/17/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/18/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/19/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/20/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/21/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/22/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/23/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/24/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/25/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/26/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/27/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/28/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/29/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/30/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
12/31/2025		12.38		0.000000	0	900	900	25995.4000	900	0.0	22522000	22522000			(900.0)
DEC SUBTOTAL	0.0	0.0					27,900.0	0.0			0.0				

STAR GOLF PARTNERS
DAILY ACCOUNTING LOG

Note: "Day" is defined as a 24-hour period beginning at 3:00 pm each day and ending at 3:00 pm

Column:	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
DAY	Daily Golf Course Irrigation Water Demand:	Daily Surface Evaporation	Surface Area of Ponds 1, 2, 3	Calculated Surface Evaporation, Ponds 1,2,3 (day):	Surface Evaporation from Ponds 1, 2, 3 (day):	Evaporation recirculation pump (day):	TOTAL DAILY DEMAND:	Available groundwater based return flow from WWTP:	Cumulative groundwater based return flow	Amount of irrigation required from creek (calculated based on projected demands vs. available GWRF)	Quantity Pumped from Brushy Creek 600 GPM pump	Cumulative Pumpage from Brushy Creek	Golf Course Irrigation Water Used	Supply Sufficient to Cover Uses?	Brushy Creek Flow Gauge 08105888
	(projected need based on weather and historical usage)	(input based on USACE data for Lake Georgetown)			(1 ac-ft = 325,851 gal)	(conservative estimate)	(columns C + G + H)	(input from WWTP operator e-mail by 3:00 pm each day)	(not to exceed annual flow based on 2.00 MGD permit limit)		(input based on meter reading)	(not to exceed 120 ac-ft. per year)	(input based on meter reading)	(I+M-G+H-O)	cubic feet per second
ANNUAL TOTAL:	134,079,353	61		-	-	-	154,951,178	259,954,000			22,522,000 gal. 69.12 ac-ft.		134,079,353		
YEAR SUMMARY:															
JANUARY	4,226,951.0	2.1					4,960,807.2	22,646,000.0			0.0		4,226,951.0		
FEBRUARY	2,232,103.0	2.8					3,208,663.0	23,060,000.0			0.0		2,232,103.0		
MARCH	9,381,985.0	5.3					11,191,584.0	30,062,000.0			0.0		9,381,985.0		
APRIL	12,146,635.0	6.3					14,301,588.7	23,943,000.0			0.0		12,146,635.0		
MAY	12,040,519.0	7.4					14,552,712.5	26,393,000.0			0.0		12,040,519.0		
JUNE	14,449,733.0	8.5					17,330,813.0	28,900,000.0			1,601,000.0		14,449,733.0		
JULY	17,073,144.0	8.1					19,834,103.0	31,189,000.0			2,384,000.0		17,073,144.0		
AUGUST	22,734,962.0	8.9					25,758,133.3	27,716,000.0			7,684,000.0		22,734,962.0		
SEPTEMBER	22,344,195.0	6.5					24,539,489.0	22,888,000.0			7,376,000.0		22,344,195.0		
OCTOBER	17,449,126.0	5.2					19,218,384.6	23,157,000.0			3,477,000.0		17,449,126.0		
NOVEMBER	0.0	0.0					27,000.0	0.0			0.0		0.0		
DECEMBER	0.0	0.0					27,900.0	0.0			0.0		0.0		

Water Loss From Evaporation and Pumps

Actual Losses

Actual Production

Year	Surface Evaporation Ponds 1, 2, 3 (day):	Evaporation from Pond 3 recirculation pump (day):	Available groundwater based return flow from WWTP:	Units
2025	20,543,325	273,600	259,954,000	Gallons Per Day
		20,816,925		Gallons Per Day
		8.01%		Percentage
2024	23,037,704	328,500	321,456,000	Gallons Per Day
	23,366,204			Gallons Per Day
		7.27%		Percentage
2023	24,073,106	328,500	280,014,000	Gallons Per Day
	24,401,606			Gallons Per Day
		8.71%		Percentage
2022	23,098,214	328,500	271,493,000	Gallons Per Day
	23,426,714			Gallons Per Day
		8.63%		Percentage
2021	21,037,495	328,500	260,398,000	Gallons Per Day
	21,365,995			Gallons Per Day
		8.21%		Percentage
2020	21,333,324	329,400	246,332,000	Gallons Per Day
	21,662,724			Gallons Per Day
		8.79%		Percentage
AVERAGE		8.27%		Percentage

1.6 "WASTEWATER TREATMENT PLANT" means the Company's Forest Creek wastewater treatment plant operating under the Discharge Permit, as expanded from time to time.

SECTION 2. DELIVERY AND USE OF EFFLUENT

2.1 Delivery. The Company shall operate and maintain the Wastewater Treatment Plant and Company Facilities and deliver all Effluent into the public waterway pursuant to the Permit for use by the Customer under this Agreement. It is agreed that all valves and other controls to start, stop, and regulate the flow of Effluent to the Customer under this Agreement shall be under the sole control of the Company.

2.2 Use of Effluent. Effluent may be re-used by the Customer for irrigation of parkland and other lands including on the HOA property or the Golf Property in the Districts, including, in accordance with the terms of the Water Right, without limitation, rights-of-way, parks, and other land owned by the HOA, as and where appropriate, and to the extent economically feasible, or for other uses by Customer which may be identified by Customer which also become authorized under the Water Right.

2.3 Adjustments to the Water Right. The Parties agree to amend this Agreement as needed to conform to any modifications to the Water Right.

SECTION 3. QUANTITY OF EFFLUENT

3.1 Quantity. The Customer agrees that the quantity of Effluent available for delivery and use by the Customer shall be dependent on the normal operations and production of the Wastewater Treatment Plant and on any supplemental raw water available. The Company shall not charge the Customer for the Effluent delivered to the Customer.

SECTION 4. QUALITY OF EFFLUENT

4.1 General. The Effluent to be released by the Company shall be treated wastewater effluent in compliance with the Permit and applicable State and Federal Law. Effluent is not intended for human consumption or domestic purposes and is to be used for irrigation purposes, effluent pond evaporation makeup, and for any other lawful purpose authorized under TCEQ rules or under the Water Right. The Customer has satisfied itself that such water will be suitable for its use; provided that if at any time the quality of water delivered is dangerous to human health or otherwise less than that required to maintain vigorous, healthy plant growth, then the Customer may immediately terminate or suspend this Agreement and may refuse acceptance of the water.

SECTION 5. SUSPENSION OR TERMINATION OF SERVICE

5.1 Force Majeure. If at any time during the term of this Agreement the Company is unable to deliver Effluent under the terms of this Agreement due to circumstances beyond the Company's control and without its fault, whether such

occurrence or circumstance be an act of God or the common enemy or the result of war, riot, civil commotion, sovereign conduct, or the act or conduct of any person or persons not party or privy hereto, then the Company shall be excused from such performance for such period of time as is reasonably necessary after such occurrence to remedy the effects thereof, and the Company shall not be liable for the breach of this Agreement. The Company shall use reasonable and good faith efforts to correct any impediment preventing delivery of Effluent and give the Customer advance written notice when possible and to the extent it is reasonable, give such notice of any inability to deliver the water needed so that the Customer may seek alternative sources, including reconnection to the potable water supply.

5.2 Regulatory Action. The Company may temporarily suspend release of Effluent to the Customer pursuant to the request, written order, or direction of any regulatory agency having jurisdiction over the use of Effluent. The Company shall provide the Customer with written notice prior to suspension of such service and an estimate of when service shall be reestablished.

SECTION 6. GENERAL PROVISIONS

6.1 Venue. All amounts due under this Agreement, including, but not limited to, payments due under this Agreement or damages for the breach of this Agreement, shall be paid and be due in Williamson County, Texas which is the County in which the administrative offices of the Company are located. It is specifically agreed by the parties to this Agreement that Williamson County, Texas is the place of performance of this Agreement; and in the event that any legal proceeding is brought to enforce this Agreement or any provision hereof, the same shall be brought in Williamson County, Texas.

6.2 Severability. The provisions of this Agreement are severable, and if any provision or part of this Agreement or the application thereof to any person or circumstance shall ever be held by any court of competent jurisdiction to be invalid or unconstitutional for any reason, the remainder of this Agreement and the application of such provision or part of this Agreement to other persons or circumstances shall not be affected thereby.

6.3 Titles. Titles and subtitled Articles contained herein are for convenience only and have no legal or other effect on the terms of this Agreement.

6.4 Prior Agreements Superseded. This Agreement constitutes the sole and only Agreement of the parties with respect to the delivery of Effluent to the Customer and cancels and supersedes any prior understandings or oral or written agreements between the parties respecting the delivery of any Effluent to the Customer, including the Original Agreement.

6.5 Signatories to Agreement. The persons signing this Agreement acknowledge by their signatures that they have all proper and lawful authority to act on

behalf of the entities they purport to represent and to bind such entities in accordance with the rights and obligations contained in this Agreement.

6.6 Address and Notice. Unless otherwise provided in this Agreement, any notice, communication, request, reply, or advice (herein severally and collectively, for convenience called "Notice") herein provided or permitted to be given, made, or accepted by any Party must be in writing and may be given or served in any manner reasonably calculated to reach each of the other parties. Notice sent by certified or registered mail, postage prepaid, return receipt requested, shall be deemed to have been received on the second mail delivery day following the day on which it was posted. Notice by any other method shall be effective when received. For the purpose of Notice, the addresses of the Parties shall be, until changed as hereafter provided, as follows:

Customer:	Star Golf Partners, Ltd. 230 Klattenhoff Lane, Suite 100 Hutto, TX 78634 Attn: Tim Timmerman
With a copy to:	Armbrust & Brown, PLLC 100 Congress Avenue, Suite 1300 Austin, TX 78701 Attn: John Bartram
Company:	SWWC Utilities, Inc. dba Windermere Utility Company 2150 Town Square Place Sugar Land, TX 77479 Attn: _____

Either Party may change its address by giving Notice of such change in accordance with the provisions of this section.

6.7 State and Federal Laws, Rules, Order, or Regulations. This Agreement is subject to all applicable federal and state laws and applicable permits, ordinances, rules, orders, and regulations of any local, state, or federal governmental authority having or asserting jurisdiction, but nothing contained herein shall be construed as a waiver of any right to question or contest any such law, ordinance, order, rule, or regulation in any forum having jurisdiction.

6.8 Applicable Law. The validity of this Agreement and of any of its terms or provisions, as well as the rights and duties hereunder, shall be governed by the laws of the State of Texas.

SECTION 7. TERM; ASSIGNMENT

7.1 Term of Agreement. This Agreement shall be in force and effect from the Effective Date for a term of fifty (50) years (the "Initial Term"), after which Customer may renew for an additional term of ten (10) years.

7.2 Assignment. This Agreement shall be assignable by the Customer in whole or in part with the written consent of the Company, except that such consent shall not be unreasonably withheld, delayed or conditioned. The Company and the Customer agree that each binds themselves and their successors and assigns to all obligations, promises, and covenants of this Agreement.

7.3 Transfer. In the event the Company wishes to assign, convey, or otherwise relinquishes its obligations with respect to the provision of Effluent service to the Customer under this Agreement, in its sole discretion, such that the Company is no longer operating the Wastewater Treatment Plant and/or its Effluent transportation system, the Company's obligations under this Agreement shall be the responsibility of the Company's assignee.

SECTION 8. REMEDIES UPON DEFAULT

8.1 Default. Notwithstanding anything herein to the contrary, neither Party shall be deemed to be in default hereunder until the passage of thirty (30) calendar days after receipt by such Party of notice of default from the other Party. Upon the passage of thirty (30) calendar days without cure of the default, such Party shall be deemed to have defaulted for purposes of this Agreement.

8.2 No Additional Waiver Implied. The failure of either Party to insist in any one or more instances upon performance of any of the terms, covenants, or conditions of this Agreement shall not be construed as waiver or relinquishment of the future performance of any term, covenant, or condition by the other parties hereto, but the obligation of the other Party with respect to such future performance shall continue in full force and effect.

8.3 Remedies. The Parties recognize that certain of their respective obligations, if not performed, may be adequately compensated by money damages while others could not be. Accordingly, the Parties agree that in the event of any failure to perform any covenants, conditions, or obligations of this Agreement on the part of either Party, the aggrieved Party shall:

- a. to the extent, if any, permitted by law, have the remedy of specific performance of this Agreement, in addition to any other remedies otherwise available at law or in equity or under this Agreement; and
- b. either Party may terminate this Agreement by written notice, after such Party has given notice of a material default to the other Party upon the

Execution Version

expiration of the thirty (30) days permitted for curing such default and such default not having been cured.

* * *

IN WITNESS WHEREOF, the Parties, acting under the proper authority have caused this Agreement to be duly executed in multiple counterparts, each of which shall constitute an original, to be effective as of the Effective Date.

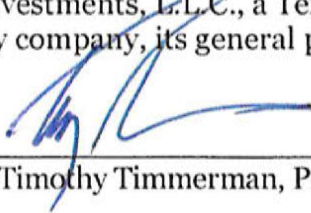
[Counterpart Signature Pages Follow]

**[COUNTERPART SIGNATURE PAGE TO
AMENDED AND RESTATED EFFLUENT USE AGREEMENT]**

CUSTOMER:

STAR GOLF PARTNERS, LTD., a Texas
limited partnership

By: SGP Investments, L.L.C., a Texas limited
liability company, its general partner

By: 
Timothy Timmerman, President

**[COUNTERPART SIGNATURE PAGE TO
AMENDED AND RESTATED EFFLUENT USE AGREEMENT]**

**SWWC UTILITIES, INC., a Delaware
corporation d/b/a in Texas as
WINDERMERE UTILITY COMPANY**

mw

By: Eric Sabolsice
FE3140F08C8222BCB30D181FDB562EAB contractworks.
Name: Eric Sabolsice
Title: President

Attachment 009

STAR GOLF PARTNERS, LTD
OPERATING ACCOUNT
2500 FM 685
HUTTO, TX 78634

HORIZON NAME 18000
11/25/2025

PAY TO THE ORDER OF Texas Commission On Environmental Quality \$112.50

One hundred twelve and 50/100

Texas Commission On Environmental Quality
Financial Administration Division, Revenue
Cashier's Office, MC 214
PO BOX 13088
Austin, TX 78711-3088

MEMO To: Joshua Schaefer - Austin, TX

STAR GOLF PARTNERS, LTD OPERATING ACCOUNT 18000

Date	Type	Reference	Original Amount	Balance Due	Payment
11/25/2025	Bill	13096-2025	112.50	112.50	112.50
			Check Amount		112.50

For Star Golf Partners, Ltd
Water permit Amendment Application
permit - 13096
mailed express to:
TCEQ
Water Availability Division MC-160
12100 Park 35 Circle
Austin Tx. 78753 18000

Horizon-Operating Ac: Attn: Joshua Schaefer

STAR GOLF PARTNERS, LTD OPERATING ACCOUNT 18000

Date	Type	Reference	Original Amount	Balance Due	Payment
11/25/2025	Bill	13096-2025	112.50	112.50	112.50
			Check Amount		112.50

Fee For Permit 13096 Amendment Application

112.50

Fee for payment application sent by Ricky Heine around November 28, 2025.

Attachment 010
SECRETARY'S CERTIFICATE

OF

SWWC Utilities, Inc.

November 21, 2025

I, Mark Wang, do hereby certify in my capacity as Secretary of SWWC Utilities, Inc. (the "Company") and without personal liability, that I am the duly appointed and acting Secretary of the Company, and that each of the persons listed on Exhibit A attached hereto is a duly elected, qualified and acting officer of the Company, occupying the office(s) or position(s) set forth adjacent to such person's name.

IN WITNESS WHEREOF, the undersigned has caused this Secretary's Certificate to be duly executed as of the day and year first written above.

COMPANY:

SWWC Utilities, Inc.

By: Mark Wang
Name: Mark T. Wang
Title: Secretary

EXHIBIT A

Incumbency

<u>Name</u>	<u>Office(s)</u>
Eric Sabolsice	<u>President</u>
Mark T. Wang	<u>Secretary</u>

CERTIFICATE
OF
LIMITED PARTNERSHIP
OF
STAR GOLF PARTNERS, LTD.

FILED
In the Office of the
Secretary of State of Texas

MAR 25 2004

Corporations Section

THE UNDERSIGNED, HAVING FORMED A LIMITED PARTNERSHIP UNDER THE TEXAS REVISED LIMITED PARTNERSHIP ACT (THE "PARTNERSHIP"), DOES HEREBY EXECUTE AND FILE ITS CERTIFICATE OF LIMITED PARTNERSHIP AS FOLLOWS:

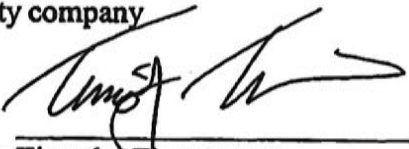
1. Name of Partnership. The name of the Partnership is Star Golf Partners, Ltd.
2. Registered Office and Registered Agent. The address of the registered office of the Partnership is 2500 FM 685, Hutto, Texas 78634. The registered agent for service of process is Tim Timmerman, whose address is the same as the registered office.
3. Principal Office. The address of the Partnership's principal office in the United States where the records of the Partnership are to be kept or made available is 2500 FM 685, Hutto, Texas 78634.
4. General Partner. The name, mailing address and street address of the business of the General Partner is as follows:

SGP Investments, L.L.C.
2500 FM 685
Hutto, Texas 78634

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Limited Partnership this 24th day of March, 2004.

GENERAL PARTNER:

SGP Investments, L.L.C., a Texas limited liability company

By: 

Name: Timothy Timmerman

Title: President



Office of the Secretary of State

**CERTIFICATE OF FILING
OF**

Star Golf Partners, Ltd
Filing Number: 800321753

The undersigned, as Secretary of State of Texas, hereby certifies that a certificate of limited partnership for the above named limited partnership has been received in this office and filed as provided by law on the date shown below.

Accordingly, the undersigned, as Secretary of State hereby issues this Certificate evidencing the filing in this office.

Dated: 03/25/2004

Effective: 03/25/2004



A handwritten signature in black ink, appearing to read "G. S. Connor".

Geoffrey S. Connor
Secretary of State