

Lori Rowe

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**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, March 22, 2022 1:50 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

MWD  
126449

PM  
H

**From:** ronnie\_austry2000@yahoo.com <ronnie\_austry2000@yahoo.com>  
**Sent:** Tuesday, March 22, 2022 1:26 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

REGULATED ENTY NAME RESERVE AT ANGLETON WWTP

RN NUMBER: RN111343471

PERMIT NUMBER: WQ0016046001

DOCKET NUMBER:

COUNTY: BRAZORIA

PRINCIPAL NAME: UNDINE TEXAS ENVIRONMENTAL LLC

CN NUMBER: CN604519330

FROM

NAME: MR Ronnie Gene Augry

E-MAIL: [ronnie\\_austry2000@yahoo.com](mailto:ronnie_austry2000@yahoo.com)

COMPANY:

ADDRESS: 6138 COUNTY ROAD 288  
ANGLETON TX 77515-7816

PHONE: 8329803861

FAX:

**COMMENTS:** I have concerns about this permit. A water/sewage treatment plant will dump water in a drainage ditch that runs directly through my property and within 300 feet of our home and of two water wells used for our home and our livestock. We and our numerous neighbors need more information and the possibility for a public meeting/hearing

to protest this business. Besides the health concerns, we are concerned of the negative impact that this treatment facility could have on our property and its value.

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 15, 2022 11:59 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** thesprings@gmail.com <thesprings@gmail.com>  
**Sent:** Friday, April 15, 2022 11:38 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Jamie Ballaurd

**EMAIL:** [thesprings@gmail.com](mailto:thesprings@gmail.com)

**COMPANY:** The Spring

**ADDRESS:** 1910 COUNTY ROAD 220  
ANGLETON TX 77515-8289

**PHONE:** 9798485680

**FAX:**

**COMMENTS:** We are requesting a public hearing on this permit. We do not feel like this should be allowed to be dumped in the waterways. We have some protected wildlife that lives in the ditch that leads to the bayou that this company is wanting to dump in

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 21, 2022 9:31 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** MISTYNBAYS@YAHOO.COM <MISTYNBAYS@YAHOO.COM>  
**Sent:** Wednesday, April 20, 2022 6:24 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MISS MISTY BAYS

**EMAIL:** [MISTYNBAYS@YAHOO.COM](mailto:MISTYNBAYS@YAHOO.COM)

**COMPANY:**

**ADDRESS:** 1925 FAIRWAY DR  
ANGLETON TX 77515-7366

**PHONE:** 8326405055

**FAX:**

**COMMENTS:** I LIVE HERE ON THE BAYOU AND I OPPOSE THIS AND REQUEST A FORMAL HEARING. YOU WILL DISRUPT OUT ECOSYSTEM NOT TO MENTION SO MUCH MORE FOR THE REASON WE SPENT A LOT OF MONEY BUYING OUT PROPERTY. I WANT MY VOICE TO BE HEARD. I DO NOT APPROVE!

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 22, 2022 4:02 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** mistynbays@yahoo.com <mistynbays@yahoo.com>  
**Sent:** Friday, April 22, 2022 2:51 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Misty Bays

**EMAIL:** [mistynbays@yahoo.com](mailto:mistynbays@yahoo.com)

**COMPANY:**

**ADDRESS:** 1925 FAIRWAY DR  
ANGLETON TX 77515-7366

**PHONE:** 8326405055

**FAX:**

**COMMENTS:** i request a public meeting

## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 1:17 PM  
**To:** PUBCOMMENT-WQ; PUBCOMMENT-ELD; PUBCOMMENT-OCC2; PUBCOMMENT-OPIC  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** Opposition WQ0016046001 letter tceq 12142022.pdf

RFR

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**From:** sboykin@richwoodtx.gov <sboykin@richwoodtx.gov>  
**Sent:** Thursday, December 15, 2022 8:41 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** THE HONORABLE Steve M. Boykin

**EMAIL:** [sboykin@richwoodtx.gov](mailto:sboykin@richwoodtx.gov)

**COMPANY:** City of Richwood, Texas

**ADDRESS:** 102 W MAHAN ST  
RICHWOOD TX 77531-2800

**PHONE:** 9792929183

**FAX:**

**COMMENTS:** TO: Texas Commission of Environmental Quality, Chief Clerk and Executive Director RE: Undine Texas Environmental, LLC TPDES Permit No. WQ0016046001 Request for Reconsideration of the Executive Director's Decision  
As a citizen and the current Mayor for the City of Richwood, I am respectfully urging the Executive Director to reconsider the recent decision regarding Permit Application No. WQ0016046001, submitted by Undine Texas Environmental, LLC.

The proposed system's effluent will ultimately discharge into Bastrop Bayou, a tidal stream which is bound by properties within the cities extraterritorial jurisdiction (ETJ) as well as approximately one- and one-half miles of property within the city limits of Richwood Texas. It is the contention of this office that the approval of this permit application would be detrimental to the bayou's ecosystem due to the influx of a continuous supply of fresh water. Additionally, concerns that upsets in the wastewater treatment process at the proposed facility would lead to heightened toxic conditions within the stream, which has been approved for the implementation of a watershed protection program (WPP) by the United States Environmental Protection Agency (USEPA) to address bacteria impairments and other water quality concerns. Other concerns include the following: 1. Bastrop Bayou has a recorded history of issues with elevated levels of fecal bacteria and has been the subject of studies to address these issues and resulting in the implementation of the Bastrop Bayou WPP to bring about water quality improvement. The addition of a new wastewater outfall (and potential contamination source) at the head of the bayou, could be detrimental to the effectiveness of the WPP at this time. 2. A search of both TCEQ and EPA ECHO websites has brought to light some compliance concerns regarding other facilities (both water and wastewater) that are owned and/or operated by the applicant. As a result of these searches, it appears that the applicant has multiple active administrative enforcement orders for various sites along with several enforcement cases pending with the TCEQ. This tends to lead to a lack of confidence in the applicant's culture of compliance and further reinforces the desire of our city and citizens to seek disapproval of this permit application. 3. Review of required sampling raises concerns in that the frequency of testing is not sufficient in preventing excessive discharge of poorly treated wastewater into the receiving stream. It is understood that some tests may take up to 5 days to complete, others such as TSS and NH<sub>2</sub>-N should be taken/reported much more frequently (Two/Week) and pH/DO samples should be taken/recorded on the same schedule as Cl<sub>2</sub> residual. These samples are not only important to compliance but are equally important in identifying pending operational upsets. In conclusion, the City of Richwood respectfully submits its opposition to the approval of Permit Application No. WQ0016046001, submitted by Undine Texas Environmental LLC, and urges the Executive Director's decision be reconsidered. Respectfully submitted, Steve M. Boykin, Mayor

# City of Richwood

TEXAS

Thursday, December 15, 2022

TO: Texas Commission of Environmental Quality, Chief Clerk and Executive Director

RE: Undine Texas Environmental, LLC  
TPDES Permit No. WQ0016046001


**Request for Reconsideration of the Executive Director's Decision**

As a citizen and the current Mayor for the City of Richwood, I am respectfully urging the Executive Director to **reconsider the recent decision regarding Permit Application No. WQ0016046001**, submitted by Undine Texas Environmental, LLC. The proposed system's effluent will ultimately discharge into Bastrop Bayou, a tidal stream which is bound by properties within the city's extraterritorial jurisdiction (ETJ) as well as approximately one- and one-half miles of property within the city limits of Richwood Texas. It is the contention of this office that the approval of this permit application would be detrimental to the bayou's ecosystem due to the influx of a continuous supply of fresh water. Additionally, concerns that upsets in the wastewater treatment process at the proposed facility would lead to heightened toxic conditions within the stream, which has been approved for the implementation of a watershed protection program (WPP) by the United States Environmental Protection Agency (USEPA) to address bacteria impairments and other water quality concerns. Other concerns include the following:

1. Bastrop Bayou has a recorded history of issues with elevated levels of fecal bacteria and has been the subject of studies to address these issues and resulting in the implementation of the Bastrop Bayou WPP to bring about water quality improvement. The addition of a new wastewater outfall (and potential contamination source) at the head of the bayou, could be detrimental to the effectiveness of the WPP at this time.
2. A search of both TCEQ and EPA ECHO websites has brought to light some compliance concerns regarding other facilities (both water and wastewater) that are owned and/or operated by the applicant. As a result of these searches, it appears that the applicant has multiple active administrative enforcement orders for various sites along with several enforcement cases pending with the TCEQ. This tends to lead to a lack of confidence in the applicant's culture of compliance and further reinforces the desire of our city and citizens to seek disapproval of this permit application.
3. Review of required sampling raises concerns in that the frequency of testing is not sufficient in preventing excessive discharge of poorly treated wastewater into the receiving stream. It is understood that some tests may take up to 5 days to complete, others such as TSS and NH<sub>2</sub>-N should be taken/reported much more frequently (Two/Week) and pH/DO samples should be taken/recorded on the same schedule as Cl<sub>2</sub> residual. These samples are not only important to compliance but are equally important in identifying pending operational upsets.

In conclusion, the City of Richwood respectfully submits its opposition to the approval of **Permit Application No. WQ0016046001**, submitted by Undine Texas Environmental LLC, and urges the Executive Director's decision be reconsidered.

Respectfully submitted,



Steve M. Boykin, Mayor



# TCEQ Public Meeting Form July 28, 2022

## Undine Texas Environmental, LLC New TPDES Permit for Municipal Wastewater Permit No. WQ0016046001

PLEASE PRINT

Name: Steve Boykin

Mailing Address: 102 W. Mahan St

Physical Address (if different): \_\_\_\_\_

City/State: Richwood TX Zip: 77531

**\*\*This information is subject to public disclosure under the Texas Public Information Act\*\***

Email: Sboykin@RichwoodTX.com

Phone Number: (979) 292-9183

• Are you here today representing a municipality, legislator, agency, or group?  Yes  No  
If yes, which one? Richwood TX

Please add me to the mailing list.

I wish to provide formal **ORAL COMMENTS** at tonight's public meeting.

I wish to provide formal **WRITTEN COMMENTS** at tonight's public meeting.

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 15, 2022 12:00 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** Lisabrewer4@gmail.com <Lisabrewer4@gmail.com>  
**Sent:** Friday, April 15, 2022 10:44 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Lisa Brewer

**EMAIL:** [Lisabrewer4@gmail.com](mailto:Lisabrewer4@gmail.com)

**COMPANY:**

**ADDRESS:** 175 GARTH ST  
FREEPORT TX 77541-9683

**PHONE:** 7136093411

**FAX:**

**COMMENTS:** I also have 4222 county rd 459e. Freeport, Tx I request a public hearing

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 7, 2022 7:16 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** lisabrewer4@gmail.com <lisabrewer4@gmail.com>  
**Sent:** Wednesday, April 6, 2022 9:57 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Lisa Brewer

**EMAIL:** [lisabrewer4@gmail.com](mailto:lisabrewer4@gmail.com)

**COMPANY:**

**ADDRESS:** 175 GARTH ST  
FREEPORT TX 77541-9683

**PHONE:** 7136093411

**FAX:**

**COMMENTS:** We need a public hearing. Our bayous and bays cannot handle the water they are wanting to put in it

## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 1:22 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

**From:** Lisabrewer4@gmail.com <Lisabrewer4@gmail.com>  
**Sent:** Friday, December 16, 2022 9:54 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MRS Lisa Brewer

**EMAIL:** [Lisabrewer4@gmail.com](mailto:Lisabrewer4@gmail.com)

**COMPANY:**

**ADDRESS:** 175 GARTH ST  
FREEPORT TX 77541-9683

**PHONE:** 7136093411

**FAX:**

**COMMENTS:** I live on Bastrop Bayou. Three sides of my yard are water. The health of my waterway and the fish and crabs is important to my family, my friends and myself. Not only because we enjoy fishing and eating the fishing but because we enjoy seeing them. We care that the water is safe for the fish and for us. We enjoy being in the water too grandkids like to swim and we like to wade fish. Please consider our feelings and protect our waterways money is not all that is important in this world

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 8, 2022 9:46 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** Public comment on Permit Number WQ0016046001

H  
PM

**From:** Dmarkbroaddus@gmail.com <Dmarkbroaddus@gmail.com>  
**Sent:** Thursday, April 7, 2022 9:08 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Deryll Mark Broaddus

**EMAIL:** [Dmarkbroaddus@gmail.com](mailto:Dmarkbroaddus@gmail.com)

**COMPANY:**

**ADDRESS:** 345 REDFISH DR  
FREEPORT TX 77541-7995

**PHONE:** 9792998929

**FAX:**

**COMMENTS:** I feel that TCEQ should have a public hearing regarding the Reserve at Angleton WWTP so that the residents of Brazoria County and especially those affected along Bastrop Bayou can provide their comments prior to any approval of this permit. It only makes sense that you have a public meeting to address the concerns of these individuals.

**Lori Rowe**

---

**From:** Dmarkbroaddus@gmail.com  
**Sent:** Thursday, April 7, 2022 9:08 AM  
**To:** PUBCOMMENT-OCC  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Deryll Mark Broaddus

**EMAIL:** [Dmarkbroaddus@gmail.com](mailto:Dmarkbroaddus@gmail.com)

**COMPANY:**

**ADDRESS:** 345 REDFISH DR  
FREEPORT TX 77541-7995

**PHONE:** 9792998929

**FAX:**

**COMMENTS:** I feel that TCEQ should have a public hearing regarding the Reserve at Angleton WWTP so that the residents of Brazoria County and especially those affected along Bastrop Bayou can provide their comments prior to any approval of this permit. It only makes sense that you have a public meeting to address the concerns of these individuals.

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 8, 2022 9:36 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** Sherylbroaddus@sbcglobal.net <Sherylbroaddus@sbcglobal.net>  
**Sent:** Thursday, April 7, 2022 8:41 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Sheryl Broaddus

**EMAIL:** [Sherylbroaddus@sbcglobal.net](mailto:Sherylbroaddus@sbcglobal.net)

**COMPANY:**

**ADDRESS:** 345 REDFISH DR  
FREEPORT TX 77541-7995

**PHONE:** 9797092811

**FAX:**

**COMMENTS:** I have lived on Bastrop Bayou for the past 18 years. During that time, we have had numerous floods from tropical storms, hurricanes, and just rain locally or up the Bayou. I think that issuing a permit for the Reserve at Angleton WWTP that would dump 250,000 gallons of treated waste water into Bastrop Bayou would be a disaster for the families whose property is on or near the bayou and for the wildlife that depend on these waters for their existence. I feel very strongly that a public hearing should be held so that the public can make known our concerns. It is unacceptable for the

only notice of this permit is a post in The Facts newspaper which is only available a few days a week and with an online subscription.



**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 21, 2022 9:32 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** Brennan.browning709@gmail.com <Brennan.browning709@gmail.com>  
**Sent:** Wednesday, April 20, 2022 6:36 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Brennan Browning

**EMAIL:** [Brennan.browning709@gmail.com](mailto:Brennan.browning709@gmail.com)

**COMPANY:**

**ADDRESS:** 1925 FAIRWAY DR  
ANGLETON TX 77515-7366

**PHONE:** 8324655166

**FAX:**

**COMMENTS:** We oppose this & request a formal hearing

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 22, 2022 4:02 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** brennan.browning709@gmail.com <brennan.browning709@gmail.com>  
**Sent:** Friday, April 22, 2022 2:54 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Brennan Browning

**EMAIL:** [brennan.browning709@gmail.com](mailto:brennan.browning709@gmail.com)

**COMPANY:**

**ADDRESS:** 1925 FAIRWAY DR  
ANGLETON TX 77515-7366

**PHONE:** 9794807113

**FAX:**

**COMMENTS:** i request a public meeting

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 21, 2022 3:51 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** c2power@aol.com <c2power@aol.com>  
**Sent:** Thursday, April 21, 2022 1:16 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Kevin Buchannan

**EMAIL:** [c2power@aol.com](mailto:c2power@aol.com)

**COMPANY:**

**ADDRESS:** 2060 COUNTY ROAD 220  
ANGLETON TX 77515-8641

**PHONE:** 9792332655

**FAX:**

**COMMENTS:** I think this should be shut down. to take in thought of how our ditch now floods when we get a good rain , it will not be able to handle to amount of waste water , not to mention the fish that we catch from the waterway will now be polluted . we do not need this, And we need a hearing

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, April 12, 2022 11:58 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** Kristinbulanek@yahoo.com <Kristinbulanek@yahoo.com>  
**Sent:** Monday, April 11, 2022 6:11 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Kristin Bulanek

**EMAIL:** [Kristinbulanek@yahoo.com](mailto:Kristinbulanek@yahoo.com)

**COMPANY:**

**ADDRESS:** PO BOX 504  
DANBURY TX 77534-0504

**PHONE:** 8323738003

**FAX:**

**COMMENTS:** As a resident of Demi John Island, I am against this project, therefore, I am protesting it and I am requesting a hearing. The dumping of these waters into Bastrop Bayou WILL GREATLY EFFECT an ecosystem that encompasses one of the largest Wildlife Refuges as well as the quality of seafood, recreation and way of life on the bayou.

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 9:29 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** meb\_39tl@yahoo.com <meb\_39tl@yahoo.com>  
**Sent:** Saturday, April 16, 2022 12:09 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Evan W Burris

**EMAIL:** [meb\\_39tl@yahoo.com](mailto:meb_39tl@yahoo.com)

**COMPANY:**

**ADDRESS:** 39 TROUT LN  
FREEPORT TX 77541-7914

**PHONE:** 2816678032

**FAX:**

**COMMENTS:** I request a public hearing.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 9:29 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** meb\_39tl@yahoo.com <meb\_39tl@yahoo.com>  
**Sent:** Saturday, April 16, 2022 12:14 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Evan W Burris

**EMAIL:** [meb\\_39tl@yahoo.com](mailto:meb_39tl@yahoo.com)

**COMPANY:**

**ADDRESS:** 39 TROUT LN  
FREEPORT TX 77541-7914

**PHONE:** 2816678032

**FAX:**

**COMMENTS:** I request public meeting.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 9:33 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

**From:** meb\_39tl@yahoo.com <meb\_39tl@yahoo.com>  
**Sent:** Saturday, April 16, 2022 6:40 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Evan W Burris

**EMAIL:** [meb\\_39tl@yahoo.com](mailto:meb_39tl@yahoo.com)

**COMPANY:**

**ADDRESS:** 39 TROUT LN  
FREEPORT TX 77541-7914

**PHONE:** 2816678032

**FAX:**

**COMMENTS:** We need to dig deeper into the environmental impact of this treated waste water influx.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 15, 2022 12:00 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM  
H

**From:** kcag971@gmail.com <kcag971@gmail.com>  
**Sent:** Friday, April 15, 2022 11:04 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Kathy Cagel

**EMAIL:** [kcag971@gmail.com](mailto:kcag971@gmail.com)

**COMPANY:**

**ADDRESS:** 2027 COUNTY ROAD 220  
ANGLETON TX 77515-8656

**PHONE:** 9798491159

**FAX:**

**COMMENTS:** I am requesting a public meeting on this permit. I believe that allowing this plant to dump waste water will destroy and harm the animals that are in the water system. Not to say what all will be poured in our water ways that kids swim and fish and eat the fish out of . This company has been shut down from the city and county as to do this and now they are trying to go at it a different way. I believe we need a public hearing on this matter



## Vander Gold

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 4:31 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

---

**From:** jackiec@digitex.net <jackiec@digitex.net>  
**Sent:** Friday, December 16, 2022 3:26 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME** RESERVE AT ANGLETON WWTP

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Jackie Cunningham

**EMAIL:** [jackiec@digitex.net](mailto:jackiec@digitex.net)

**COMPANY:**

**ADDRESS:** 111 RIVERSIDE DR  
ANGLETON TX 77515-9107

**PHONE:** 8177747045

**FAX:**

**COMMENTS:** DATE: December 16, 2022 TO: Executive Director Texas Commission on Environmental Quality RE: Undine Texas Environmental, LLC permit number WQ0016046001 Please accept this as my request for a Contested Case Hearing for Jacqueline Cunningham: Applicant: Undine Texas Environmental, LLC, permit number WQ0016046001. My life and the lives of my large family of children, grandchildren and great-grandchildren will be seriously impacted by this permit. This is my home. I bought my home on Bastrop Bayou as a family gathering place where we can fish, swim, and enjoy

kayaking, jet skiing and other boat activities. Observing all of the different birds and other wildlife is an added bonus we have taken for granted until now. Should this permit be granted most of that will gradually disappear. The changes in the salinity of the Bayou water caused by the introduction of the large amount of treated water will eventually change the whole environment of this part of Bastrop Bayou. Please do not let that happen. The water from the treatment facility will be treated for several contaminants but there are many more contaminants that will not be removed. From the information we received at the meetings held locally to address this permit, there appear to be few serious consequences for discharges of raw or partially treated sewage into the Bayou. And no expectation that Undine will clean up any raw sewage spilled accidentally. I eat the fish and swim in the Bayou. My health will be compromised by the changes to Bayou water caused by the introduction of this treated water. Flooding is another problem that will increase. The potential for financial loss is present. The value of my property will surely decrease as the changes to the whole area are realized. Undine has other options for treating the sewage for this development Please stop this danger to my health, safety and lifestyle while the Bayou can still be saved. Jacqueline Cunningham 111 Riverside Drive, Angleton. Texas 77515 817-774-7045

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 25, 2022 9:10 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** jackiec@digitex.net <jackiec@digitex.net>  
**Sent:** Saturday, April 23, 2022 5:05 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MRS Jacqueline {Dunn} Cunningham

**EMAIL:** [jackiec@digitex.net](mailto:jackiec@digitex.net)

**COMPANY:**

**ADDRESS:** 111 RIVERSIDE DR  
ANGLETON TX 77515-9107

**PHONE:** 8177747045

**FAX:**

**COMMENTS:** I am requesting a public meeting to address concerns about Bastrop Bayou

## Vander Gold

---

**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, December 13, 2022 4:43 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** Contested Case Hearing 12-13-22.pdf

H

---

**From:** bannieg06@yahoo.com <bannieg06@yahoo.com>  
**Sent:** Tuesday, December 13, 2022 3:41 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Glenn and Betsy David

**EMAIL:** [bannieg06@yahoo.com](mailto:bannieg06@yahoo.com)

**COMPANY:**

**ADDRESS:** 141 RIVERSIDE DR  
ANGLETON TX 77515-9107

**PHONE:** 7138239765

**FAX:**

**COMMENTS:** Attached Contested Hearing letter

DATE: December 13, 2022

TO: Executive Director Texas Commission on Environmental Quality

RE: Undine Texas Environmental, LLC, permit number WQ0016046001

Please accept this as our request for a Contested Case Hearing for Glenn and Betsy David.

Applicant: Undine Texas Environmental, LLC, permit number WQ0016046001.

Not only will my husband and I be personally affected, our child, grandchild and friends will be affected too. We reside only about 2 miles from where the discharge will enter the bayou. The bayou is our life. We live, fish, crab, boat, bird watch and participate in the annual boat parade on Bastrop Bayou, all between Highway 288 and Highway 288B all the way to the Gulf of Mexico, including the tidal portion of ditch 22. An unhealthy bayou due to reduced salinity and other contaminants can result in a dead or dying bayou it will affect our lives in the areas of health, finances, water quality, recreation, flooding and wildlife.

For example:

- a. Health: Eating fish and crabs could cause medical issues.
- b. Finances: Medical, food and recreation costs would be affected. As approximately 5% of our protein is sourced from the bayou we would have to use other sources to provide that. We are retired and this percentage will go up as inflation uses more of our fixed income. We would have to pay for recreation outside of the bayou. If we were to get ill, we would incur medical expenses.
- c. Flooding: Any added water in a rain event can make the difference between a home flooding or not. This year we had 4 weeks of a bull tide. These tides caused water to be on or at the edge of our property.
- d. Water quality: Poor water quality will affect all categories listed above.
- e. Wildlife: A dead bayou cannot support the aquatic life used to feed the birds and our 4-legged creatures.

We feel the permit as written was neither accurate nor complete. Proper notice of effluents to be discharged was written as 250,000 gallons. At the public meeting we were told the discharge could be up to four times that.



Glenn and Betsy David

141 Riverside Dr. (CR458A), Angleton, TX 77515. 713-823-9765

MWD  
126449

# Glenn and Betsy David

141 Riverside Drive  
Angleton, TX 77515  
(713) 823-9765

REVIEWED  
APR 08 2022 H  
By GCW

April 4, 2022

RE: NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR MUNICIPAL WASTEWATER: PERMIT NO. WQ0016046001

Dear Sir or Madam:

Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day.

As residents on Bastrop Bayou living at 141 Riverside Dr. Angleton, TX 77515, we have significant concerns regarding this permit application and the potential impacts on the salinity regime of this brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou. We are also concerned about the affect of the discharge will have on the safety of consuming fish and crabs from the Bayou.

We are requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application.

Please feel free to contact us at (713) 823-9765 if you have any questions.

Sincerely,



Glenn and Betsy David

TEXAS  
COMMISSION  
ON ENVIRONMENTAL  
QUALITY  
2022 APR -8 AM 9:47  
CHIEF CLERKS OFFICE

Betsy David  
141 Riverside Dr.  
Angleton, TX 77515

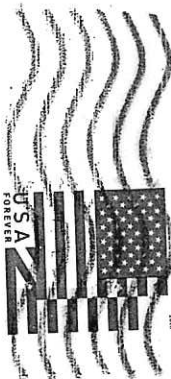
TEXAS  
COMMISSION  
ON ENVIRONMENTAL  
QUALITY

2022 APR -8 AM 9:47

CHIEF CLERKS OFFICE

NORTH HOUSTON TX 773

5 APR 2022 PM 1 L



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

APR 08 2022

78711-308787



CHIEF CLERKS OFFICE

3087 78711-3087

POSTAGE WILL BE PAID BY ADDRESSEE

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 25, 2022 9:04 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

**From:** bannieg06@yahoo.com <bannieg06@yahoo.com>  
**Sent:** Sunday, April 24, 2022 3:44 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Betsy David

**EMAIL:** [bannieg06@yahoo.com](mailto:bannieg06@yahoo.com)

**COMPANY:**

**ADDRESS:** 141 RIVERSIDE DR  
ANGLETON TX 77515-9107

**PHONE:** 7138239765

**FAX:**

**COMMENTS:** Bastrop Bayou is on a Watershed Protection plan. How is it possible to consider this dumping of wastewater into Bastrop Bayou?



**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 25, 2022 9:04 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** Bannieg15@gmail.com <Bannieg15@gmail.com>  
**Sent:** Sunday, April 24, 2022 3:41 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
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**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Betsy David

**EMAIL:** [Bannieg15@gmail.com](mailto:Bannieg15@gmail.com)

**COMPANY:**

**ADDRESS:** 141 RIVERSIDE DR  
ANGLETON TX 77515-9107

**PHONE:** 7138239765

**FAX:**

**COMMENTS:** I request a public meeting on this permit. I am very concerned about the safety and environmental impact on Bastrop Bayou. I live on the bayou and eat seafood from the bayou. This is also an Intercoastal waterway that is tidal. Too much fresh water will change the entire ecosystem, not just in Bastrop Bayou but also downstream.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, April 12, 2022 2:09 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** bb\_watershed\_protection\_plan.pdf

---

**From:** Bannieg15@gmail.com <Bannieg15@gmail.com>  
**Sent:** Tuesday, April 12, 2022 1:44 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Betsy David

**EMAIL:** [Bannieg15@gmail.com](mailto:Bannieg15@gmail.com)

**COMPANY:**

**ADDRESS:** 141 RIVERSIDE DR  
ANGLETON TX 77515-9107

**PHONE:** 7138239765

**FAX:**

**COMMENTS:** I do not understand how this permit can be approved in light of the attached Bastrop Bayou Watershed Protection Plan.

# Bastrop Bayou Watershed Protection Plan

Prepared for the Bastrop Bayou Stakeholders Group  
by:

**Houston-Galveston Area Council**  
3555 Timmons Lane, Suite 120  
Houston, TX 77227



Funding for the Development of this Watershed Protection Plan was provided by the Environmental Protection Agency through a federal Clean Water Act §319 (h) grant to the Houston-Galveston Area Council, administered by the Texas Commission on Environmental Quality and a grant from the Galveston Bay Estuary Program.

## Acknowledgments

The Houston-Galveston Area Council (H-GAC) would like to thank the members of the Bastrop Bayou Stakeholder Advisory Group (SAG) and all the other stakeholders and community members who participated in the preparation of this Plan. Their dedication and hard work throughout the planning process are greatly appreciated.

### **Bastrop Bayou Stakeholders Advisory Group**

Mike Lange – USFW  
Brian Koch – TSSWCB  
Stephen Johnston – GBEP  
Don West – Fresh Water Supply Dist #2  
Sharron Stewart – GBF  
Jeff Mink – Brazoria County Sherriff's Office  
Kyle Harris – CCA  
James Gore – Coast Guard  
Corrie Bowen – County Extension Agent  
Donald "Dude" Payne – County Commissioner  
Dianna Kile – Congressman Ron Paul's office  
Melanie Oldham – citizen  
Kathy & Bill Mladenka - citizens  
Dixon Dryden – citizen  
Roy & Jan Edwards – citizens  
Karen Carrol – Brazoria County  
Tom White - citizen  
Scott Lewis - citizen

### **Special Thanks**

This project could not have happened without the sustaining support of the Galveston Bay Estuary Program (GBEP), The Texas Commission on Environmental Quality (TCEQ) and the Texas Clean Rivers Program (CRP). The expertise, monitoring partnerships and funding provided by GBEP and the CRP allowed H-GAC to quickly establish a monitoring network, rapidly gather data and spend time in the Watershed earning the public's trust. Continuing the monitoring program beyond the life cycle of the plan will play a critical role in cementing the partnerships needed to develop and implement the watershed protection strategy.

The stakeholders wish to especially thank Commissioner Payne and Congressman Paul for their vision and support that have made this Watershed Protection Plan possible.

## Statement of Purpose

The Bastrop Bayou Watershed Protection Plan (Plan) addresses bacteria water quality issues in a predominantly rural watershed that drains into Christmas Bay on the Texas Gulf Coast. While the Bayou and its tributaries are not currently on the State of Texas list of impaired water bodies (2008 303d list), projected future growth patterns and current water quality concerns have led area stakeholders to proactively address these issues. Some localized contamination issues, public health incidences, and projected impairments (draft 2010 303d list) have provided further impetus to act.

The ultimate goal of the Plan is to maintain and improve the water quality of the Bastrop Bayou Watershed (Watershed) through direct intervention by a coalition of local landowners, residents, governments, and local businesses. The measure of these efforts will be to keep bacteria levels under the threshold set by the State's recreational surface water quality standard, preventing the water bodies in the Watershed from appearing on the State of Texas' 303d list of impaired waterways. The Plan will guide the implementation of a suite of structural and behavioral management measures designed to identify, evaluate, prioritize and remediate or prevent the causes and sources of bacterial contamination in the Watershed.

The specific purposes of the Bastrop Bayou WPP are to promote stakeholder awareness of water quality issues in the Watershed, develop a comprehensive, stakeholder-led plan to address bacterial contamination from a variety of sources, guide the implementation of a cost-effective set of management measures to achieve the desired results, and obtain community commitment to ongoing management of their water resources. Towards this end, the WPP contains a design and implementation plan with structural and non-structural corrective measures to improve water quality, as well as a focus on integrated Community involvement. H-GAC, as guided by the Watershed stakeholders, has prepared this Plan in accordance with guidance for Watershed Protection Plans issued by the U.S. EPA.

*All unaccredited images courtesy of H-GAC*

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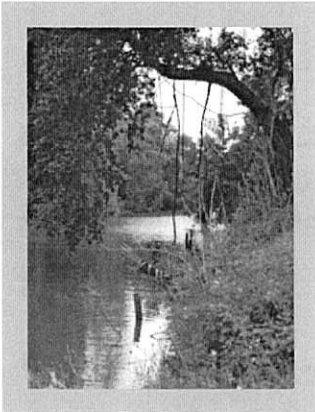
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## Executive Summary



Located along the Texas Gulf Coast fifty miles south of Houston, Bastrop Bayou is a popular recreational destination for water skiers, boaters, anglers and birders in Brazoria County. Water from the Bastrop Bayou Watershed eventually makes its way to Christmas Bay, a pristine coastal estuary that is home to innumerable wildlife species and some of the last remaining sea grass beds along the upper Gulf Coast.

Much of the land in the Bastrop Bayou Watershed (the land area that drains to the Bayou and its tributaries) is currently used for agriculture (rice farming, cattle grazing and aquaculture), while its residents typically live in small cities and towns (Angleton, Danbury, Richwood, Demi-John, etc.), rural subdivisions, or homes along the Bayou.

### Growing Concerns

Although much of the Watershed is currently rural, forecasted population growth for the region indicates that urban areas within and immediately adjacent to the Watershed will undergo substantial growth over the next twenty-five years. In addition to local growth, the Houston-Galveston Area Council (H-GAC) projects that the Houston metro area will add more than 3.5 million people by 2035. The number of households in Brazoria County alone will increase by 50 percent. These patterns of local and regional growth promise to exert increased pressure on natural resources, potentially endangering the Watershed unless measures are implemented in the mean time.

During the spring of 2004, residents in the Watershed began voicing concerns about existing and developing threats including land application of sludge, malfunctioning on-site sewage facilities (OSSFs, or septic systems), illegal dumping, and contamination from storm water discharges. The residents were specifically concerned with bacteria, turbidity, pesticide, and nutrient loading from these activities in Bastrop Bayou and Christmas Bay – and how these may adversely affect public health, natural resources and local economies.

The importance of the WPP became especially apparent in early 2009 when the first indigenous case of cholera in the U.S. since 2004 was identified in the small Watershed community of Demi-John. Cholera is most often found in the developing world due to contact with untreated sewage. In this case,



contact with water contaminated by a large number of malfunctioning OSSFs was the cause of the infection, driving home the necessity for the WPP and efforts to restore and protect water quality in the Watershed.

### Response

To address these complaints, and in an effort to quantify the water quality impacts within the Bastrop Bayou Watershed, the Galveston Bay Estuary Program (GBEP), H-GAC and the Texas Clean Rivers Program (CRP) conducted a Watershed Risk Assessment during the fall of 2004. As a result of the Risk Assessment, a **Watershed Protection Plan (WPP)** process began in the fall of 2006. WPPs are stakeholder-led efforts designed to identify, analyze, and attempt to remediate water quality issues in a watershed.

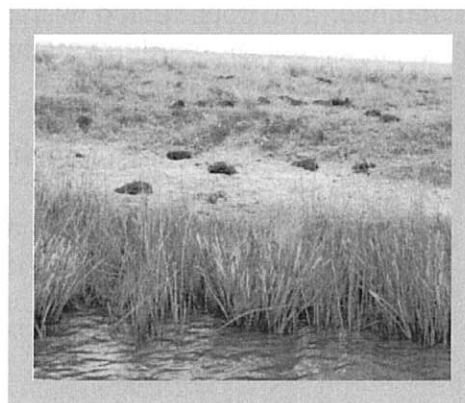
These voluntary plans are based on Nine Key Elements identified by the EPA in their guidance for developing WPPs. These elements guide community members through the process of assessing the condition of the Watershed, and then devising a plan and schedule for implementing solutions to water quality concerns. The purpose of the WPP is to serve as a comprehensive approach to water quality based on the “watershed approach” of focusing on the land uses of the area, and their impact on water bodies (a more detailed explanation of the Nine Key Elements is found in the following section).

The cumulative goal of these elements is to produce a comprehensive assessment of the Watershed, employ a practical site-specific approach to implementing best management practices (BMPs), encourage policy change at the local and county levels, offer sustainable funding options for watershed protection planning, and to increase the public awareness of environmental stewardship concerns. (Refer to Table 1 for further detail on these elements in the Bastrop Bayou WPP)

### Potential Sources

Water quality monitoring undertaken as part of this WPP process indicated that Bastrop Bayou and its main tributaries did not yet contain elevated concentrations of bacteria that exceeded the State of Texas standards for contact recreation<sup>1</sup>. However, several potential sources of bacteria are present within the Watershed, including:

- Urban runoff
- Malfunctioning OSSFs
- Agricultural / ranching operations
- Wildlife
- Migratory bird flyways
- Pets



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<sup>1</sup> The current list of impaired waterways maintained by the TCEQ indicates no segment in the Bastrop Bayou watershed is impaired for contact recreation. However, it is expected that one or more segments may be listed as impaired when the 2010 list is approved.

- Wastewater treatment operations

Modeling of source contributions indicated urban runoff, agricultural operations, and malfunctioning OSSFs were the primary sources of bacterial contamination, each representing a third of contributed bacteria in 2008, with malfunctioning OSSFs growing to represent 48% of the total loading by 2040, absent any additional controls or efforts. Contributions from cattle ranching (the predominant source of agricultural bacteria in the Watershed) are expected to diminish by 2040, due to increasing development pressure, but remain a significant portion of the overall loadings (16%).

### **Engaging Local Stakeholders**

The development of the WPP resulted from the formation of an engaged local stakeholder group comprised of local homeowners, cattle ranchers, rice farmers, elected municipal officials, County Health District and Environmental Enforcement representatives and Watershed residents. The stakeholder group provided valuable input regarding local drainage features, potential sources of pollution, recreational uses, public access locations and effective approaches to educating local residents and Watershed visitors. H-GAC has worked closely with the stakeholder group to develop a WPP that identifies not only the current threats to the Bayou but a phased and feasible implementation strategy to current sources and help prevent or reduce contamination resulting from future growth.

### **Developing Solutions**

After reviewing the preliminary modeling results, the stakeholders selected a suite of appropriate projects to mitigate these concerns. The projects are designed to meet contamination reduction targets that are based on projections of future growth, derived from current growth patterns. As these implementation costs for the initially selected measures exceeded the currently available funding, the stakeholders prioritized the most important projects to implement first. Cost and time necessary to complete the project were the primary concerns during project selection. Since urban runoff and future growth are the biggest threats to the Bayou, the stakeholders emphasized education and outreach-based implementation projects to avert or reduce contamination by targeting contributing behaviors. Relying solely on retroactive approaches like storm water detention and constructed wetlands would cure only the symptoms of urbanization. However, to address other sources, the stakeholders proposed a mix of educational and structural projects.

Voluntary solutions identified during this project include:

- Community waterway cleanup events
- Increased enforcement of applicable laws and standards (for OSSFs, illegal dumping, etc)
- Implementation of stream fencing, alternative watering sources for cattle and other agricultural BMPs
- Targeted education and outreach activities for Watershed residents, decision-makers, and visitors.



- Promoting and implementing constructed wetlands and stormwater detention basins
- Promoting and implementing green infrastructure through pilot/demonstration projects
- Implementing a Watershed signage project (watershed boundaries and illegal dumping )
- Facilitating acquisition of buffer areas, conservation easements, or other land conservation projects
- Promoting sanitary sewer systems in place of OSSFs, and/or addressing failing OSSFs through education or remediation, specifically in the Demi-John community.
- Improvement of municipal and Home Owner Association ordinances (for pet waste, OSSFs, green infrastructure, etc.)
- Implement pet waste management education and pet waste stations
- Ongoing water quality monitoring to evaluate water quality impacts

### **Implementation**

In addition to devising this set of BMPs to address the water quality concerns of the Watershed, the stakeholders also constructed a plan and timeline for implementing the projects. The starting timeframe of the schedule for implementing these projects is based on obtaining approval of the WPP from the TCEQ and EPA. Once these approvals have been granted, the plan calls for a phased implementation of the projects over several years. The projects will be implemented by stakeholders and partners. The SAG intends to pursue additional grant funding to help facilitate or fund some projects. The general approach is designed to be collaborative. The schedule for these projects, as discussed in greater detail in the WPP, is expected to begin in 2011, with many educational and pilot projects kicking off concurrently. Ongoing and long-term projects, like development of large-scale stormwater detention capacity, will continue throughout the planning horizon. Most intermediate projects are expected to occur within the next 5 years, as funding is available.

### **Future Steps**

From the inception of work in Bastrop Bayou in 2004 as a result of citizen concerns, through thirty-four public meetings, the stakeholders have worked hard to determine the sources and causes of pollution and select the projects to mitigate those concerns. The completion of this WPP allows the stakeholders to be very competitive in obtaining additional funds from private foundations and government agencies; funds that will be crucial in solving the water quality concerns in Bastrop Bayou. The stakeholders are currently discussing the best ways to carry out implementation projects outlined in the WPP. H-GAC will continue to provide data resources as well as technical assistance while the CRP will continue water quality monitoring of the Bayou. Additionally, the Plan allows a clear and decisive way to communicate with elected officials about the water quality priorities within the community. Perhaps the greatest accomplishment is the consensus that the stakeholders have reached in addressing the water quality concerns raised in 2004. The completion of the WPP is truly a beginning for the Bastrop Bayou Watershed, rather than an end in itself.

## Nine Element Summary Matrix

The Bastrop Bayou Watershed Protection Plan incorporates the EPA's Nine Elements of a Watershed Protection Plan (Watershed-Based Plan). These elements help guide the process and ensure that the end product considers all the various aspects of a wide-scale watershed approach to addressing water quality concerns. The Nine Elements are:

1. Identify the sources and causes of pollution
2. Estimate the necessary load reductions
3. Describe Point Source and Nonpoint source management measures
4. Assess the technical and financial assistance needed
5. Design an informational/ educational component
6. Develop a schedule of implementation
7. Set interim measurable milestones for progress
8. Establish criteria to determine load reductions
9. Create a monitoring component

The aspects of this WPP that relate to each element are summarized and referenced in Table 1, which also serves as a roadmap to the WPP document and summary of the proposed solutions.

**Table 1: Nine Element Summary Matrix**

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
<b>Causes and Sources of Impairment</b> (Section 3, pp. 17-38)	<b>Estimated Potential Load Reduction</b> (Section 4, pp. 39-48)	<b>Management Measures and Targeted Critical Areas</b> (Section 5, pp. 49-55)	<b>Technical and Financial Assistance Needed for Each Measure</b> (Section 6, pp. 56-61)	<b>Education Component for Each Measure (and Other Education)</b> (Section 7, pp. 64-68)	<b>Schedule of Implementation for Each Measure</b> (Section 8, pp. 69-72)	<b>Interim Measurable Milestones for Each Measure</b> (Section 9, pp. 73-77)	<b>Indicators to Measure Progress</b> (Section 10, pp. 78, Section 9 pp. 73-77)	<b>Monitoring Component</b> (Section 11, pp. 79-84)	<b>Responsible Entity</b> (Sections 3,5, 6 and 8)
<b>Urban Runoff</b>	3% for this category in total.	Develop Small Scale Green Infrastructure (LID) pilot projects to include pervious pavement projects, green roof projects, and/or rain gardens at the Angleton Courthouse complex and elsewhere.	\$575,000 for initial projects, additional projects as funding is available.	Education for municipal decision-makers, contractors and property managers on green infrastructure construction and maintenance, individual meetings	Begin pilot projects 2012, watershed-wide implementation begins 2013	Complete pilot projects, and evaluate watershed-wide deployment	Reduction in runoff-related bacteria, nutrients, and general pollutant loading concentrations watershed wide	Monitor BMP during pilot project; routine watershed monitoring for watershed-wide deployment	Cities and County
	3% for this category in total.	Develop Large Scale BMP's to include Stormwater Detention Ponds, new large Wetland Detention areas, and/or swales	7.7 million, as provided by partners.	Individual meetings for cities, contractors and property managers on large scale projects.	Begin pilot projects 2012, watershed-wide implementation begins 2013	Complete pilot projects, and evaluate watershed-wide deployment	Reduction in runoff-related nutrient loading and flooding	Monitor BMP during pilot project; routine watershed monitoring for watershed-wide deployment	County, Cities, other drainage agencies.
	(Part of 2% of education)	Provide Watershed and illegal dumping signs (and illegal dumping hotline)for existing access points to Bastrop Bayou and its tributaries	\$25,000	Signs and promotional materials	Beginning 2011	Signage designed, Signage installed, hotline set up.	Reduction in runoff-related bacteria concentrations watershed-side as well as reduction of litter and trash	Routine watershed monitoring	Cities, County

	3% for this category in total.	Land Acquisition assistance, for buffer strips and set asides	\$10,000 for initial property, additional properties considered as funding available.	Promotional materials, individual meetings with partner agencies	Beginning 2011	Property identified, appraisal (etc.) needs defined, Appraisal (etc.) completed, property purchased.	Reduction in runoff-related bacteria concentrations watershed-side as well as reduction of litter and trash	Routine watershed monitoring	USFW
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(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Causes and Sources of Impairment (Section 3, pp. 17-38)	Estimated Potential Load Reduction (Section 4, pp. 39-48)	Management Measures and Targeted Critical Areas (Section 5, pp. 49-55)	Technical and Financial Assistance Needed for Each Measure (Section 6, pp. 56-61)	Education Component for Each Measure (and Other Education) (Section 7, pp. 64-68)	Schedule of Implementation for Each Measure (Section 8, pp. 69-72)	Interim Measurable Milestones for Each Measure (Section 9, pp. 73-77)	Indicators to Measure Progress (Section 10, pp. 78, Section 9 pp. 73-77)	Monitoring Component (Section 11, pp. 79-84)	Responsible Entity (Sections 3, 5, 6 and 8)
OSSFs	4% (for this category in total)	Evaluation and Remediation of failing OSSFs	To be determined by results of Brazoria Health District, OSSF evaluations	Develop community training model, promotional materials, meeting with partner agencies	Evaluations ongoing (2010), remediation efforts starting 2011.	Number of failures located, number repaired.	Reduction in base flow-related bacteria concentrations	Routine Watershed monitoring	Brazoria County Health District, County, OSSF owners
	4% (for this category in total, 80-100% locally in Demi-John)	Support Demi-John sanitary sewer conversion	Staff time in supporting grant application, cost of conversion provided by partners.	Meeting with local and granting agencies, written support	2011-onward	Grant/funding approved, Construction initiated, construction completed, service begun.	Number of houses connected	With connection to WWTP there will be zero bacterial loading from the community	Brazoria County Fresh Water Supply district #2

	4% (for this category in total)	Develop model Home Owner Association by-laws for new communities. Request existing communities adopt HOA changes.	\$5,000 for development and promotion, additional incentives provided by partners.	Onsite technical assistance provided to community. promotional materials and maintenance on OSSF Maintenance	Beginning 2011-2012 for development, implementation on-going	Bylaws/ordinances developed, promoted.	Number of households with regular maintenance contracts for OSSFs	Routine Watershed monitoring	Individual Communities
	4% (for this category in total)	Evaluate/ Enhance OSSF Design Criteria	(provided by partners)	Meetings with partners (County and municipalities)	Beginning in 2011	Meetings with partner agencies held	Design Criteria evaluated	Routine Watershed monitoring	Brazoria County, Cities

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Causes and Sources of Impairment (Section 3, pp. 17-38)	Estimated Potential Load Reduction (Section 4, pp. 39-48)	Management Measures and Targeted Critical Areas (Section 5, pp. 49-55)	Technical and Financial Assistance Needed for Each Measure (Section 6, pp. 56-61)	Education Component for Each Measure (and Other Education) (Section 7, pp. 64-68)	Schedule of Implementation for Each Measure (Section 8, pp. 69-72)	Interim Measurable Milestones for Each Measure (Section 9, pp. 73-77)	Indicators to Measure Progress (Section 10, pp. 78, Section 9 pp. 73-77)	Monitoring Component (Section 11, pp. 79-84)	Responsible Entity (Sections 3, 5, 6 and 8)
Cattle and Wildlife	7% (for this category in total)	Voluntary cattle management improvements including stream fencing and alternative water supplies. Provide incentives for the above-mentioned BMP's.	\$40,000 for farmer incentives (shared with Additional Animal Waste BMP measures, additional incentives provided by participants and partner agencies)	Agrilife Extension seminars, TSSWCB seminars, Texas Stream Team, meeting with individual landowners	Begin 2011	Meetings with ranchers held, Plans for improvements made, Improvements made.	Number of landowners who adopt the management plans. The plans are legally enforceable by the TSSWCB	Routine monitoring	TSSWCB and Agrilife Extension

	7% (for this category in total) (Part of 2% for education)	Additional Animal Waste BMP's: Vegetated buffer strips to trap nutrient runoff, etc.	\$40,000 for Farmer incentives (shared with Voluntary cattle programs), with additional incentives provided by partners	Promotional materials, Conduct workshops and technical assistance, On-site visits, in conjunction with partner agency efforts	To be developed, printed, and mailed in 2011, farmer incentives to begin in 2011	Meetings with landowners held, Plans for improvements made, Improvements implemented.	Reduction in base flow-related bacteria concentrations	Water Quality Monitoring – determine if there has been any reduction in fecal bacteria levels; on-site visits	TSSWCB  Brazoria County Health District & Cities
	7% (for this category in total)	Feral Hog hunter training	\$1000 for training class and event	Promotional materials, class(es)	Beginning in 2012	Development of curriculum	Training held	Routine Monitoring	Brazoria County, Cities

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Causes and Sources of Impairment (Section 3, pp. 17-38)	Estimated Potential Load Reduction (Section 4, pp. 39-48)	Management Measures and Targeted Critical Areas (Section 5, pp. 49-55)	Technical and Financial Assistance Needed for Each Measure (Section 6, pp. 56-61)	Education Component for Each Measure (and Other Education) (Section 7, pp. 64-68)	Schedule of Implementation for Each Measure (Section 8, pp. 69-72)	Interim Measurable Milestones for Each Measure (Section 9, pp. 73-77)	Indicators to Measure Progress (Section 10, pp. 78, Section 9 pp. 73-77)	Monitoring Component (Section 11, pp. 79-84)	Responsible Entity (Sections 3, 5, 6 and 8)
Pet Waste	2% for this category in total	Pet Waste Disposal Stations in public areas (parks), with signage	\$22,050 for stations, \$10,000 for signage and promotional materials.	Promotional materials, school programs, signage, meetings with partners	2011 - 2013	Sites designated, Sites installed, signage installed and promoted.	Determine amount of pet waste occurring	Annual Monitoring of Parks and Pet Dispensers	City & County Parks Departments
	2% for this category in total	Improved HOA bylaws and model ordinances	\$5,000 for printing of brochures	Promotional materials, meetings with partner agencies, school programs	Begin 2011 until 2012	Bylaws/ordinances developed, promoted and presented,	Numbers of HOA who adopt the measures	Routine monitoring	Individual Communities
	2% for this category in total (part of 2% for education)	Increase awareness and enforcement of pet control ordinances	\$5,000 for on-going public presentations, a brochure, and sign, additional funding provided by partners.	Public awareness and education by DBWP, Parks and Wildlife, Master Naturalist Program, and others.	Ongoing, starting in 2011	Enforcement levels evaluated, educational materials created and disseminated, public education conducted	Reduction in runoff-related bacteria concentrations Bayou-wide	Routine Watershed-wide monitoring	Cities and County

**Notes on Table 1:**

For the purposes of creating the Nine Element Summary Table, only those sources addressing the primary contaminant of concern (bacterial contamination) and those resulting in estimated load reductions are included.

Therefore, management measures related to trash (Illegal dumping/trash) are not included, nor are sources for which no specific measurable solutions are proposed (wildlife other than feral hogs, WWTPs, etc.) Additional measures not specific to a given source (enforcement capacity increases, abandoned boats, etc.) are not included here.

The education component measures (Project WET and WILD, etc.) discussed in Section 7 and are not referred to as separate measures in this table, but as the educational backing discussed in column e.

Additional detail regarding all sources, educational components and management measures not specific to reducing bacteria, can be found in Sections 3, 4, 5, 6, 7, and 8.



# 1 Introduction

This Plan seeks to apply watershed management techniques to improve and sustain the water quality of Bastrop Bayou and its tributaries, and find practical and achievable solution for promoting land uses, technologies, practices, and behaviors in its Watershed that help achieve that goal. This section will provide background detail on the nature of the Plan and the principles in which it is based. More detailed information about the Watershed itself is found in Section 2.

## 1.1 Watersheds

A watershed is the area of land that sheds water to a given water body. When rain falls, a portion of it runs off the land to fill our creeks, streams, bayous, rivers and lakes. Where that water flows is based on the topography, or varying elevation, of the land around it. Therefore, the area that makes up a watershed is all the land whose precipitation flows into a common waterway, either directly or through small waterways that contribute to it (tributaries). “Watershed” is a general term that is applied to areas ranging from the large drainage basins of major rivers to the land that drains into small local creeks. In either case, the sum of the activities that take place on that land area has an impact on water quality. As water flows over the surface, it carries with it traces of everything that happens on the land, impacting the water quality in the receiving water bodies. The use of the land can also affect the volume and rate of the water entering the waterway. Because the land around the waterway can have a dramatic impact on water quality, what happens on that land plays an integral role in the health of the watershed.

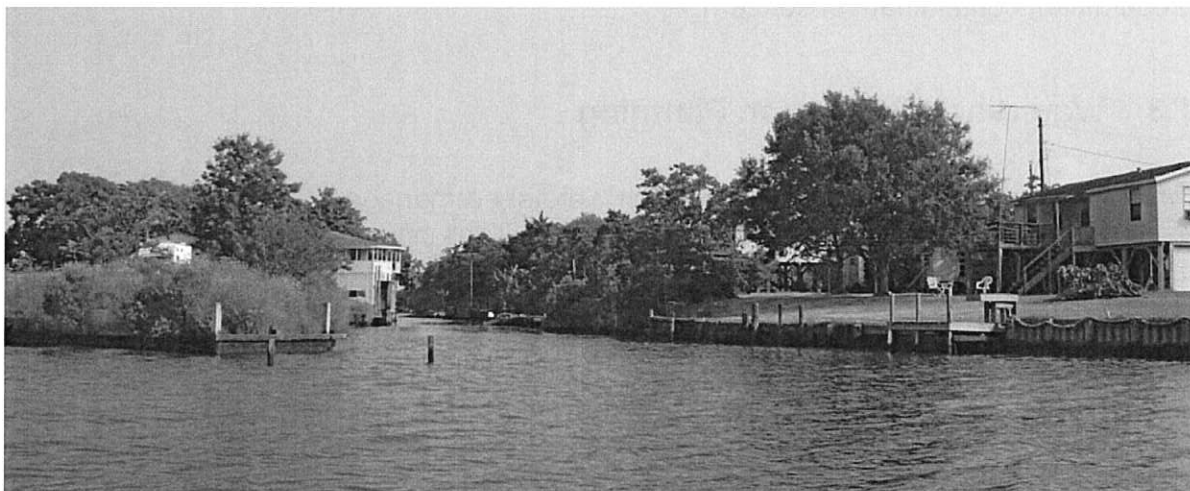


Figure 1: Land Use in the Bastrop Bayou Watershed

## 1.2 Watershed Management

Watershed management is the name given to the application of efforts designed to improve and protect the health of waterways by addressing the causes and sources of pollution in the land that surrounds them. Because all of the land in a watershed can potentially impact a waterway, watershed management techniques approach water quality management from a regional, holistic perspective. There are two primary types of pollution in watershed: point source pollution and nonpoint source pollution.

*Point source pollution* is any source of contamination that issues from a discrete, identifiable outfall or conveyance. Examples include discharge pipes from industries, outfalls from wastewater treatment facilities, or directly piped discharges of human sewage. Most of these sources are regulated by a variety of state and federal laws and programs, and most require a permit with a stringent set of requirements.

*Nonpoint source pollution* is essentially all contamination that does not derive from a point source. In a watershed this term refers to contamination that is carried by rain as it flows across the surface, picking up the byproducts of the activities that occur on the land. Nonpoint source pollution does not come from a single, specific place or type of source, making it harder to identify, evaluate and regulate. Examples include animal waste from agricultural fields, malfunctioning OSSFs, and bacteria-contaminated runoff from urban areas.

Because point sources are often already under the jurisdiction of government programs and laws, addressing nonpoint source concerns is the primary purpose of watershed management approaches and this WPP. While there are a wide range of potential contaminants involved in watershed management, this WPP focuses on bacteria as the predominant contaminant of concern.

## 1.3 Watershed Protection Planning

While there are a variety of ways in which watershed management techniques may be employed in a watershed, Watershed Protection Plans offer a comprehensive solution based on local leadership, voluntary measures and effective monitoring and assessment of successes.

A *Watershed Protection Plan (WPP)* is a document based on the Nine Key Elements of watershed-based plans, as set forth by the United States Environmental Protection Agency (EPA). The document serves as a catalyst for engaging local stakeholders to identify water quality concerns, evaluate the potential causes and sources of pollution, estimate what needs to be done to address them, develop a suite of management measures to achieve their goals, and then implement and evaluate those measures. While similar watershed-based regulatory efforts (Total Maximum Daily Load

Implementation Plans, etc) often address single pollutants, a WPP attempts to balance all concerns within a watershed, with the goal of obtaining a locally-led and perpetuated stewardship for the water body it addresses.

To achieve this approach, a WPP must address both the physical aspects of contamination in a watershed (through structural projects like detention basins, agricultural BMPs, etc) and the patterns of behavior (through behavioral programs like education, promotion of change of activities/land uses, etc.) that can affect watershed health. Regardless of the specific solutions proposed under a WPP, a strong public education and outreach component is essential to engaging and involving the public, and is a key strength of the WPP approach.

## **1.4 Watershed Protection Planning for Bastrop Bayou**

While there is growing concern over water quality in the Watershed, the level of contamination has not yet triggered a mandatory regulatory response (in the form of a TMDL study) to address water quality impairments. To prevent the Watershed from reaching the point at which that process is necessary, local stakeholders chose to use the WPP model to proactively address their water quality concerns in the Bayou. That decision led to the formation of a Stakeholder Advisory Group (SAG) and the completion of this Bastrop Bayou WPP. Bacterial contamination was chosen as the focus of the WPP, given its potential to cause impairments in the water bodies within the Watershed.

## **1.5 The Bastrop Bayou Watershed Protection Plan**

This document is the culmination of the efforts undertaken by the Watershed's stakeholders over a six year period. It is intended to serve as a road map to achieving their goals, and is laid out in accordance with the EPA's Nine Key Elements. The Watershed is characterized (Section 2), the causes and sources of its pollutants are identified (Section 3), and reductions in loadings to meet water quality goals are estimated (Section 4). A suite of management measures is developed to implement the reductions (Section 5) and the technical and financial resources necessary to implement these changes are quantified (Section 6). An outreach component (Section 7) is devised and an implementation schedule (Section 8) is delineated. Finally, milestones for measuring the progress of these efforts are determined (Section 9), criteria for measuring reductions on contamination loadings are established (Section 10), and the effectiveness of the prescribed approach is monitored (Section 11). In the end, the Plan offers some brief final words as we look toward the future and the next steps of this endeavor (Section 12).

## 2 The Bastrop Bayou Watershed

The Bastrop Bayou Watershed (Watershed) is located entirely within Brazoria County, Texas, in the Upper Gulf Coast Region. It is a popular recreational water body, and its Watershed is primarily rural and agricultural in character. The Watershed is composed of the land draining to Bastrop Bayou and its tributaries.

### 2.1 Major Population Centers

There are two large population centers in the Watershed, Angleton, the Brazoria County seat, and Lake Jackson. The Town of Angleton was founded in 1890 near the center of Brazoria County and hosts many events that draw people from the surrounding area to the Watershed, including Texas's largest county fair. Angleton is entirely located within the Bastrop Bayou Watershed.

Lake Jackson is located in the southwestern part of the Watershed. Named after an oxbow lake of the same name on the edge of town, the city was built in the early 1940s as a planned community in support of a Dow Chemical Company plant, and was incorporated March 14, 1944. Only the top section of Lake Jackson is contained within the Watershed. Lake Jackson remains a popular regional center for recreation, owing to its proximity to Freeport and the Gulf of Mexico, among other local destinations.

While both cities have been in existence for some time, they have seen continued outward expansion and infill in recent decades. It is expected that this trend, as indicated in regional growth forecasts, will continue. Both locations are popular jumping-off points for recreation in and around Bastrop Bayou.

### 2.2 Land use

Much of the area is rural. Ranching and rotation farming comprise the majority of the area by land use. The two major population centers, Angleton and Lake Jackson, comprise the majority of the urbanized development in the Watershed. An appreciable area of the southeast area of the Watershed is within the Brazoria National Wildlife Refuge, and therefore subject to US Fish and Wildlife Service regulation. Small pockets of development are found throughout the Watershed, with many small developments or rows of single houses located alongside Bastrop Bayou itself. Further detail and description of land use in the Watershed is provided in **Appendix A**. While this characterization describes the current conditions, forecasted regional growth predicts a decrease in agricultural and undeveloped areas, and an increase in suburban and urban development.

## **2.3 Demographic Data**

According to the 2000 census there are approximately 18,000 residents in Angleton. The racial makeup of Angleton is 63.21% White, 23.19% Hispanic or Latino, 11.38% African American, 0.47% Native American, 1.12% Asian, 0.04% Pacific Islander, 9.63% from other races. There are approximately 28,000 residents in Lake Jackson. The racial makeup of Lake Jackson is 86.24% White, 3.88% African American, 0.39% Native American, 2.50% Asian, 0.02% Pacific Islander, and 5.19% from other races. The population in surrounding areas generally mirrors these constituencies.

## **2.4 Wildlife and Vegetation**

The Watershed is home to many of the characteristic flora and fauna species of the Gulf Coast, including a large variety of shorebirds, wading birds and marsh-dwelling species. Additionally, the area is at the head of the Central Migratory Flyway through which pour innumerable migratory species several times a year, greatly increasing the volume of birds in the area. The area is primarily dominated by coastal vegetation, including sea grasses in bays and along lower reaches of waterways, and characteristic trees like southern live oak. The undeveloped habitat of much of the Watershed, especially in the estuarine environments of its coastal areas, is crucial in supporting large populations of indigenous and wintering waterfowl and other bird species. Invasive species, including feral hogs and some species of invasive plants, have become an issue for some areas of the Watershed, and are contributors to the bacteria issues.

## **2.5 Water Bodies**

The main stem of Bastrop Bayou runs west to east and is tidally influenced. The tributaries (Flores, Austin and Brushy Bayous) are fresh water and run north to south. The water from the Bayou drains into Christmas Bay and associated coastal estuaries.

For an overview of the Watershed and its tributaries, please refer to Figure 2 and the maps in **Appendix A**.

## BASTROP BAYOU WATERSHED - SUB-WATERSHEDS

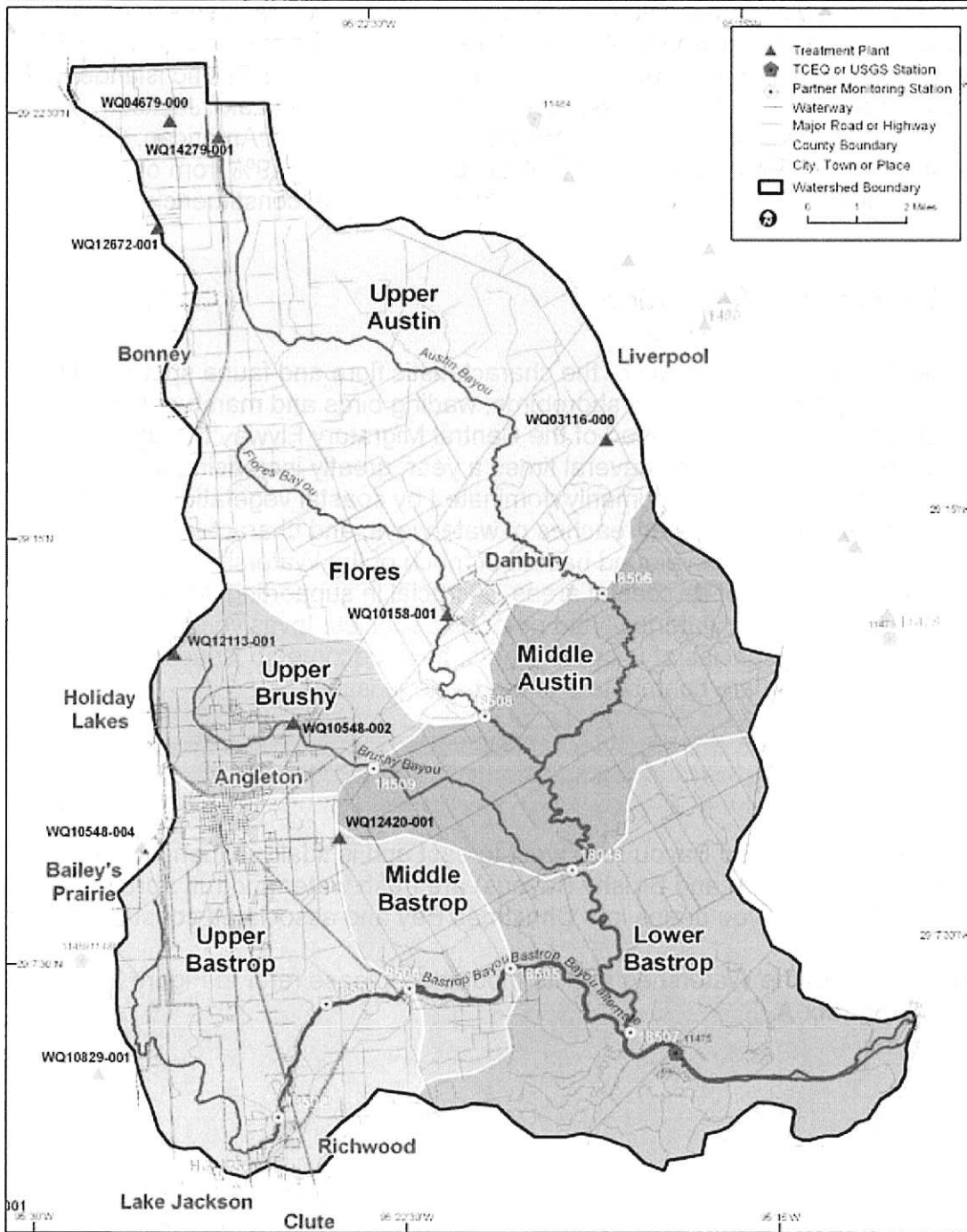


Figure 2: Bastrop Bayou, its Subwatersheds, and Monitoring Locations

## 3 Causes and Sources of Pollution Element A

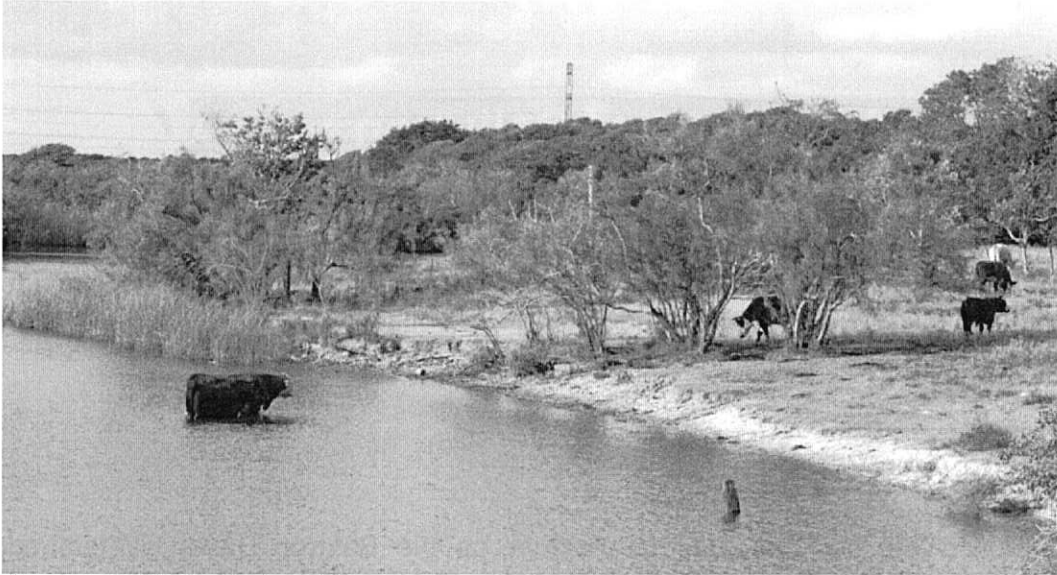
Ambient water quality monitoring began for the Watershed in August 2004 under the Clean Rivers Program and continues to this day. The Risk Assessment (HGAC, 2005) used ambient water quality monitoring data and population forecasts to provide preliminary identification of the sources and causes of pollution. Stakeholders then gave input that was used to rank and prioritize these causes and sources.

### 3.1 Sources & Causes

Population growth will place increased pressure on the Bastrop Bayou Watershed, including urban growth within the cities of Angleton and Lake Jackson, residential growth in unincorporated areas (especially along the banks of Bastrop Bayou and its tributaries), and regional growth which increases the number of people using the Bayou for recreation. Current water quality data, the risk assessment report, population forecasts and field reconnaissance were used to assess the potential sources of contamination.

#### **Sources for Bacteria, Nutrients and Other Pollutants**

The focus of the WPP is on reducing bacteria from various sources to prevent bacterial impairments of water bodies in the Watershed. However, many pollutant sources contribute both *E. coli* and nutrients. In most cases, identification and management of bacteria sources will also reduce nutrient contributions, particularly when sources include human and animal waste. However, some land use and management practices, such as crop production and lawn/landscape fertilization, only affect nutrient loading and will need to be managed separately from control measures intended to reduce bacteria pollution. The primary categories of sources addressed under this WPP are WWTPs, OSSFs, agriculture (livestock/cattle), domestic animals, and urban runoff.



**Figure 3: Cattle in Bastrop Bayou**

### **Rank & Priority**

The Watershed's stakeholder group identified and prioritized potential point and nonpoint sources of pollutants. As a result of public meetings, risk assessment report, a University of Houston – Clear Lake survey of the Watershed, and the monitoring data, the stakeholders have prioritized sources and ranked the BMP's in the following order. (This preliminary assessment was made prior to the subsequent modeling exercises.) BMPs mentioned in this section are discussed more fully in Section 5.

1. Agriculture and Wildlife – Cattle makes up a substantial portion of Agricultural sources in the Watershed. Based on the potential impact of this source, and the existence of feasible BMPs and programs available to deal with it, this was chosen as a priority source. While Wildlife was not chosen to be addressed through direct implementation actions, an educational component and potential partnership opportunities were suggested by the stakeholders. Suggested BMPs included:
  - a. Implementing livestock management plans that prevent cattle from directly accessing Bastrop Bayou, its tributaries and associated canals.
  - b. Water Quality Management Plans for agricultural producers through the Soil and Water Conservation District.
  - c. Promoting these opportunities through public outreach and education.
  - d. Promoting feral hog management and hunting.
  
2. OSSFs – The Watershed contains many aging OSSFs that can exhibit high failure rates, depending on their age. With many communities developed along the Bayous of the Watershed, failing OSSFs are a potentially large future source of contamination. While the individual nature of OSSFs might make addressing them daunting, they are an element over which there is existing regulatory control and existing remediation options. Potential means of addressing this



source include:

- a. Developing and implementing a Watershed or County-wide program to prioritize the removal and replacement of malfunctioning OSSFs.
  - b. Enhancing Brazoria County's design criteria for OSSFs, including establishing guidelines for shared OSSFs within subdivisions and RV parks where soil conditions and lot size may preclude effective use of individual systems.
  - c. Promoting sanitary sewer in new or retrofitted development.
  - d. Providing education to local residents, including model HOA bylaws.
3. Illegal Dumping/Trash – Stakeholders felt that while litter was not necessarily a direct source of bacteria or nutrients, reducing it in the waterways would establish good stewardship principals and allow for increased community education. Suggested BMPs include:
- a. Developing volunteer-based community clean up events to reduce trash, litter along local waterways.
  - b. Educating the public about the adverse impact of nonpoint source pollution.
  - c. Providing signage, a hotline, and educational support to reduce illegal dumping.
  - d. Identifying and removing existing dumping sites.
4. Urban Runoff – While the majority of the watershed is rural in character, its urban areas contribute denser amounts of nonpoint source pollution related to greater impervious areas. Bacteria come from domestic pets and other human activities in urban areas, and are carried through stormwater runoff. With development slated to continue in these areas, the stakeholders designated them as an important source of bacteria. While often not direct sources of bacteria, the stakeholders felt that runoff from Construction sites, which is often heavy with sediment, trash and other constituents, represented a compounding factor for bacteria as well as being an issue in its own right for the waterways. They suggested that these sources be addressed by:
- a. Promoting the use of urban low impact development (LID)-type BMPs that reduce runoff in urban and residential areas. Examples include vegetated swales, filter strips, pervious surfaces, large-scale stormwater detention, and education for decision-makers and residents.
  - b. Implementing green infrastructure/LID pilot projects.
  - c. Promoting, through education, residential BMPs focused on reduced nutrients from yard care and reduced bacteria from domestic pets, including model HOA bylaws.
  - d. Developing and implementing pet waste stations in public areas.
  - e. Promoting the use of BMPs that reduce sediment, trash and debris loading during the construction of new residential and commercial development, including sediment barriers and other measures.

5. Land Acquisition – Just as impervious surfaces in urban areas serve to quickly transport contaminated stormwater into waterways, open, vegetated spaces help filter stormwater, slow water velocities, and reduce overall loadings, especially when they are located in riparian corridors. They also serve to foster the unique wildlife resources of the Watershed by providing valuable habitat. This is not a direct source of bacteria in and of itself, but preservation of open spaces and riparian buffers helps reduce bacteria inputs to streams through filtration. BMPs to address this source include:
  - a. Acquisition of land to protect valuable habitat and water quality.
  - b. Promotion of riparian buffers in new development.
  - c. Support of conservation easements in the watershed.
  
6. Boater discharge – Bastrop Bayou is a popular recreational destination, and while contributions from boaters are not a large source of bacterial contamination, stakeholders felt it was important to encourage responsible handling of boater sewage, fish scraps and trash (though they did not advocate for further pursuit of this source in this WPP). Existing BMPs to address these issues include:
  - a. Recognize the importance of responsible boating as promoted through the Texas Clean Boaters and Texas Clean Marinas programs (these are existing programs, rather than management measures to be undertaken as part of this Plan.)

Underlying all these efforts, while not part of the ranking prioritization itself, is a robust public education and outreach program, including items like printed materials, presentations, surveys and other events.

Subsequent to this ranking and prioritization exercise, the stakeholders discussed and formulated a data analysis approach to further quantify the extent of loadings from each source. Ambient water quality data from the Clean Rivers Program was used as the basis for the modeling conducted by the H-GAC and its subcontractors.

## 3.2 Modeling Approach

### Modeling Overview

The progression of steps in the WPP process include quantification of sources, modeling of existing conditions, and the definition of reduction activities that will bring an impaired stream into compliance with state water quality standards (USEPA, 1999). If a stream segment does not support its designated use for a given contaminant it is listed as impaired on the Texas list of impaired waterways (referred to as the 303(d) list). In Texas sixty-one percent of the stream segments listed on the 303(d) list are impaired due to pathogens (TCEQ, 2005). *E. coli* is used as the indicator organism for pathogens from fecal contamination (USEPA, 1986). The Texas Commission on Environmental Quality (TCEQ) sets an *E. coli* limit of a geometric mean of 126 cfu/100

mL or a single grab sample of 394 cfu/100 mL (TCEQ, 2004). As bacteria is the focus of this WPP, the modeling efforts centered on this indicator.

For the regulatory Total Maximum Daily Load (TMDL) process addressing pathogen contamination, the EPA published recommendations to assess E. coli source contribution & identification, characterize the sources and estimate the E. coli load produced by each source (USEPA, 2001). The EPA document recommends identification of the location and densities of E. coli contributing source populations to characterize the loads in a watershed. The same process is used for the modeling in Bastrop Bayou.

The EPA recommends characterizing nonpoint sources by multiplying an individual species' excretion rate by corresponding species' population (USEPA, 2001). Then the estimates of nonpoint sources are combined with calculated point source contributions. Previous efforts have automated this non-spatial methodology using a spreadsheet program by dividing the watershed into smaller management units or subwatersheds (Zeckoski et al., 2005). Direct stream monitoring methods, such as ribotyping, use genetic testing to find the sources of the bacteria (Carson et al. 2001; Ahmed et al. 2005). Load duration curves identify the flow rates at which the water body's standards are most often exceeded, and therefore whether sources associated with low flow or with storm-driven flow are more critical. This method uses direct monitoring data of the stream flow and bacterial concentrations (Cleland, 2002; Bonta and Cleland, 2003).

Models are used as an alternative to intensive bacteria monitoring in order to save time, reduce cost, and provide forecasting of future conditions and the impacts of implementing solutions (Shirmohammadi et al., 2006). By understanding the influence of watershed characteristics to the contaminant load allocations, BMPs can be directed towards specific areas. The watershed can be spatially characterized and clustered into groups allowing for targeted efforts.

The Spatially Explicit Load Enrichment Calculation Tool (SELECT) model (1987) was chosen for the purpose of initially estimating the extent and spatial distribution of bacteria sources. The objective was to use SELECT for the characterization of bacterial contamination in the Watershed. The second objective was to identify similar clusters of the subwatersheds with the most significant contribution to bacterial loads, and the bacterial sources most prevalent in the subwatersheds. Greater detail about the SELECT modeling approach and assumptions is found in **Appendix B**.

### **3.3 SELECT Modeling Results**

The results of the SELECT model were computed in two ways. First the current loads were calculated. Secondly, the loadings for subsequent years were calculated. As the Watershed is currently not on the 303(d) list (as of the approved 2008 list) of impaired water bodies, a projection of when the Watershed would reach impaired status and be placed on the list is crucial. Although the population will change the type of housing was assumed to remain the same, single family homes. For growth of residential areas, an

assumption was made that new housing will be suburban single family homes on ¼ acre lots. Land use from pastures and farming was assumed to provide the land for growth. Secondly, the majority of homes (70%) would assumedly be on OSSFs and not WWTP's. The expansion of the existing WWTP's would cover an additional 30% of growth around the city of Angleton and north Lake Jackson. The data sets for forecasted growth were acquired from H-GAC's study of regional growth. The growth pattern of the county was used for the Watershed. For example the population growth for the county is expected to be 45% by 2035. The Watershed was also expected to have the same growth percentile even though the Watershed does not cover the entire county. Variables reflecting the percent land use are calculated using land use classification from the 2002 digital imagery. The results for each land use are averaged for each subwatershed for the purpose of SELECT modeling. The length of the stream is taken from the NHD dataset (USGS, 2002). The population of each for the individual subwatersheds is calculated based on SELECT results. The subwatersheds are based on contours and drainage canals utilized by local landowners (Figure 1).The SELECT model was run for each year beginning with 2010 until 2040 in five year increments. Each bacteria source is first distributed to the appropriate locations within the Watershed and then the load is calculated. The average daily potential load is calculated according to EPA guidance (USEPA, 2001). The population of sources is multiplied by a daily average fecal coliform excretion rate. The ratio of *E. coli* as a percent of total fecal coliform (FC), as represented by the geomean values in the most recent Texas Water Quality Standards, is used to generate the following load calculations,

### 3.3.1 Point Sources

#### Waste Water Treatment Plants

Waste Water Treatment Plants (WWTPs) are point sources permitted to discharge treated effluent into the Watershed. There are seven permitted WWTPs in the Watershed (see Figure 2), which release effluent into the streams. In many instances, an effluent standard or testing data for bacteria is not available, but a residual chlorine level is indicated. As an assumption, a value of half the contact recreation standard (63 mpn/100ml) was utilized. This value of 63 mpn/100ml is based on decisions made by stakeholders in attempting to adequately represent the likely load of the systems. By plant design, chlorine or UV contact times should eliminate or reduce all appreciable levels of bacteria in effluent. However, many systems fail to meet this level. Without existing permit data or focused monitoring data or effluent, there was a need for an assumed concentration. Stakeholders were uncomfortable with assuming 0 mpn/100ml. Other projects (Bacteria Implementation Group for Houston area TMDLs) have utilized varying assumptions including the standard permit limit of 126 mpn/100ml. TCEQ has utilized half of the standard for some permit limits in impaired water bodies. Based on stakeholder preference, this half-standard value was used as a way of representing the average between effluent with no discharge, and effluent discharging at the concentration of the standard. . The load from each WWTP was calculated by multiplying the permitted concentration by the permitted effluent outflow. The results indicate potential values in cfu per 100 mL in millions (Figure 5). It should be noted that

the y-axis scale for this graph is dissimilar to that of other loadings graph figures on subsequent pages. WWTPs make up such a small assumed portion of the loading that their increase would appear as a straight line on the same scale as other graphs. Therefore a small scale was used to indicate the change. This discrepancy should be noted when comparing graphs from nonpoint source categories.

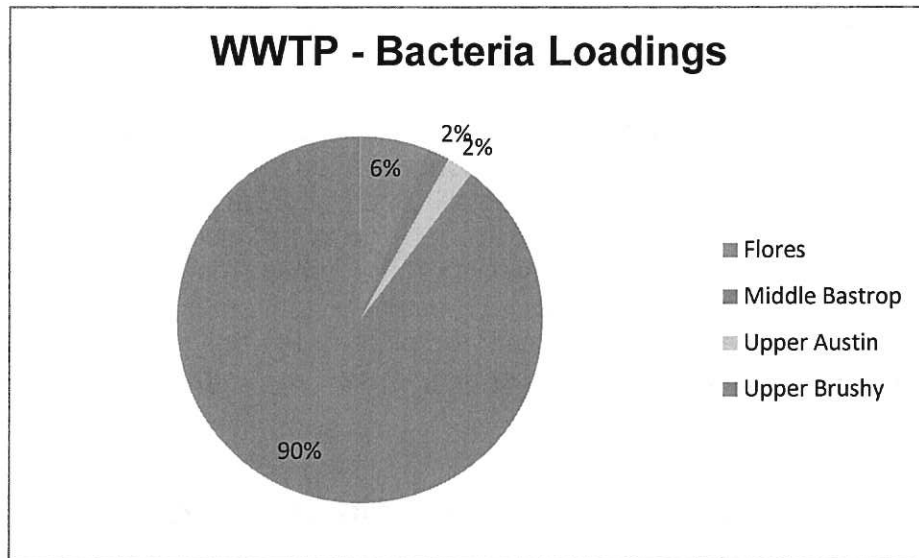


Figure 4: WWTP Bacterial Loading by Subwatershed (2008)

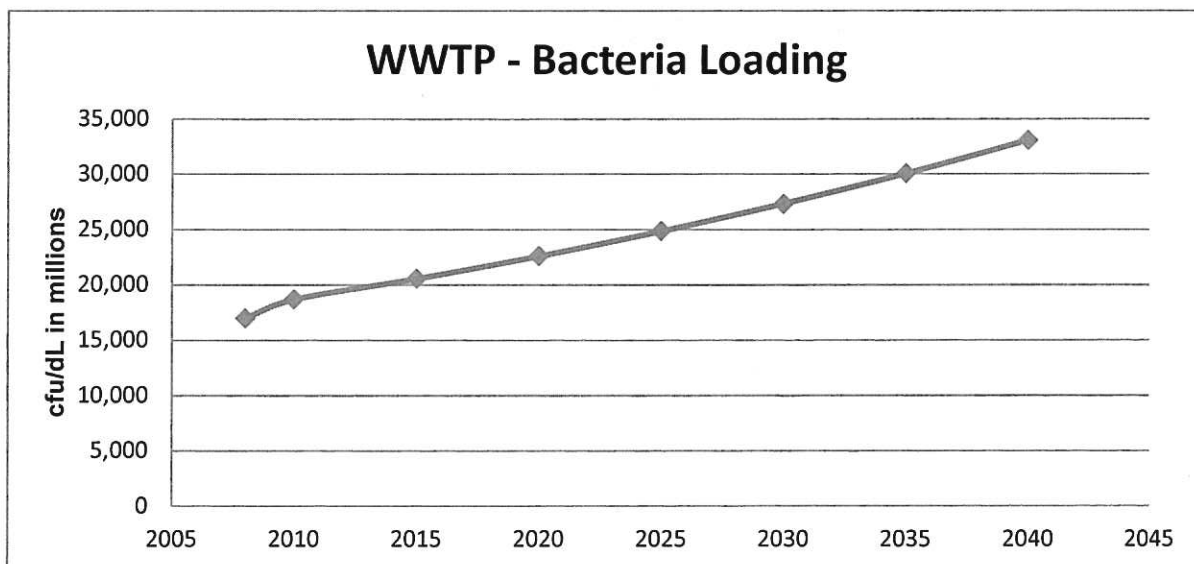


Figure 5: WWTP – Bacterial Loading, 2008-2040

### 3.3.2 Nonpoint Sources

#### Urban Runoff

Urban runoff includes bacteria that accumulate on surfaces from domestic animals and various human activities. A study was performed by the engineering firm PBS&J to measure the E. coli concentrations in runoff from different locations (PBS&J, 2000). Based on this data, PBS&J developed an empirical relationship to correlate the drainage area's percent impervious cover and the concentration of E. coli in the runoff. While this Austin-based study took place in slightly different conditions than those existing in the Watershed, it was the closest applicable source.

Using the empirical relationship reported by PBS&J, the E. coli concentration in the Watershed's runoff was then calculated from impervious cover percentages based on the existing land use classifications for the urban areas. This concentration is transformed to a load by multiplying the concentration by a volume of runoff. The calculations from the original study include all urban sources. For the purpose of this exercise the loadings from dogs and wildlife may be over-calculated. The runoff from dogs has been calculated but closely tracks the urban run-off calculations. The loadings from urban runoff also likely overestimate the loadings from OSSFs. The calculations for OSSFs exclude the urban component and only focus on OSSFs. For dogs, the calculations are based on population size and again may over-represent urban areas.

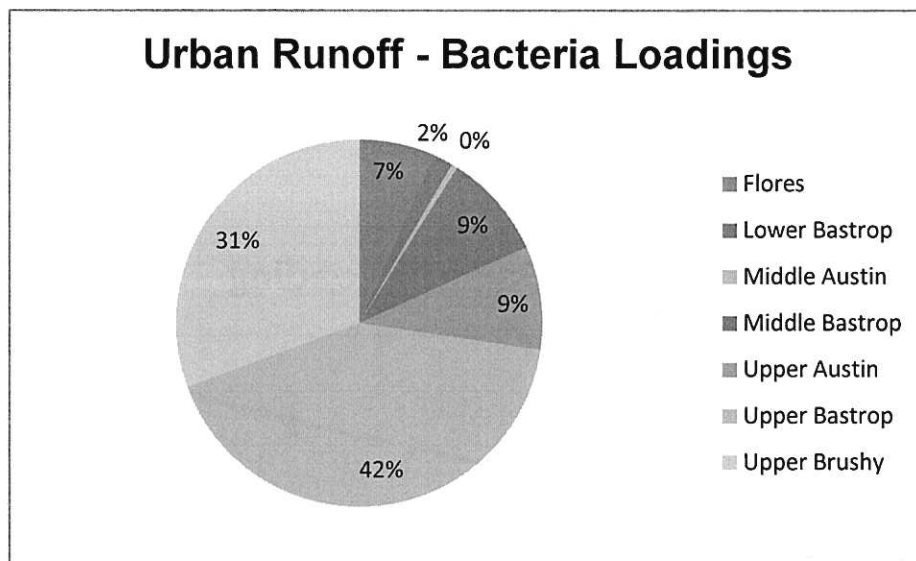


Figure 6: Urban Runoff – Bacterial Loading by Subwatershed (2008)

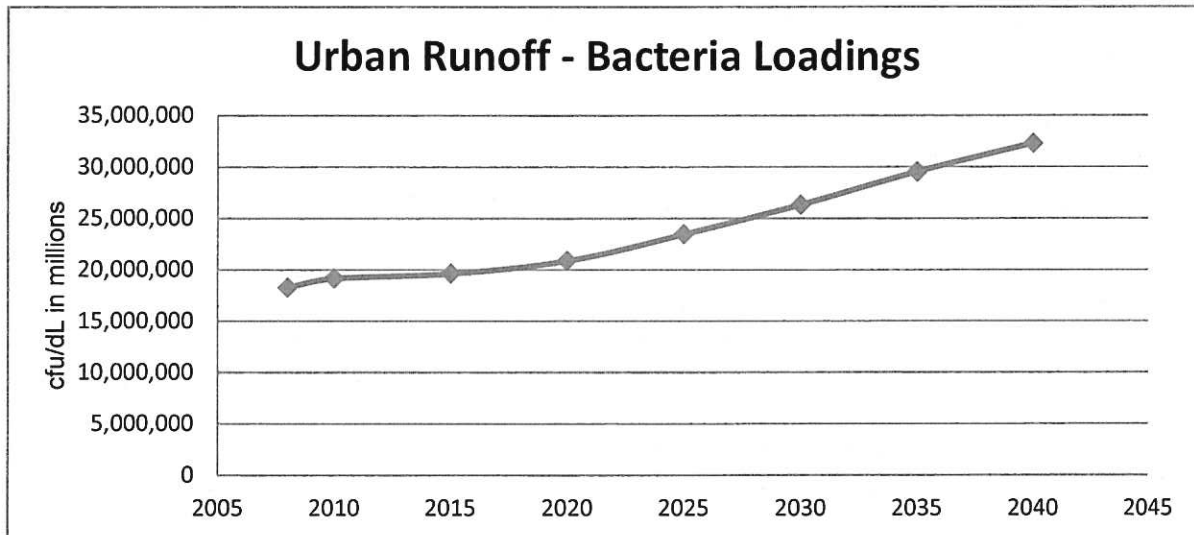


Figure 7: Urban Runoff – Bacterial Loading, 2008-2040

### OSSFs

The predominant form of wastewater treatment for many areas of the Watershed is OSSFs, for both developments and single properties (see Figure 6). Malfunctioning OSSFs can contribute pathogens to a water body due to system failure and surface or subsurface malfunction (USEPA, 2001). According to stakeholder input, there are a number of older, malfunctioning systems within the Watershed. Based on a report for the Texas On-Site Waste Water Treatment Research Council, it is assumed that regulated OSSFs would have a failure rate of 12% and unregulated systems would have a 50% failure rate (Reed, Stowe & Yanke LLC, 2001). Based on Brazoria County Health Department assessment in one community, the failure rate is 79% for pre-1989 systems and 42% for post 1989 systems. As such, the values from Brazoria County were used instead of the published values. On-site wastewater treatment systems were regulated starting in 1989, while systems installed prior to 1989 remained unregulated (Lesikar, 2005). The number and location of households utilizing OSSFs was estimated by assuming those houses outside of a city limit or wastewater service area use an OSSF.. All census blocks that fall within the Watershed and are outside of a city limit were selected to calculate the number of households using OSSFs. Next, the number of malfunctioning systems was calculated. Tables with subdivision data containing the number of lots and the date the subdivision was built for Brazoria County. Based on each subdivision date, the number of malfunctioning systems in each subdivision was calculated. The appraisal data sets contained a number of errors. Primarily a default date was noted for many properties. This is likely the date that the records were entered in the computer system rather than the actual date of the property. In such case best professional judgment was used to estimate the date based on the 2000 census data. All households outside of a subdivision or city limits are assumed non-regulated and the number of malfunctioning systems calculated accordingly.

The number of systems in each subdivision was checked to ensure that they do not exceed the number of households reported in the census. If the number of households found from subdivision data exceeds the number of households reported by the census,

then the number of households reported by the census was assumed equal to the number of households in the subdivision.

Once the number of households are calculated (pre and post 1989) the number is multiplied by the failure rate. Based on Brazoria County's assessment on one community a failure rate of 79% pre 1989 and 42% post 1989 was utilized.

Next, the density of malfunctioning systems per raster cell was assessed. The area of each census block was found, and the density of malfunctioning systems per 900 m<sup>2</sup> calculated. The E. coli load was calculated based on an estimated 70 gal/person/day discharge and a  $5 \times 10^6$  cfu/100 mL concentration in this discharge (Brazoria County Health Department). The average number per household is the average number of people in each household as reported by the 2000 U.S. Census (USCB, 2000). The potential bacteria load was then aggregated for each subwatershed (Figure 7).



## OSSFs In the Bastrop Bayou Watershed

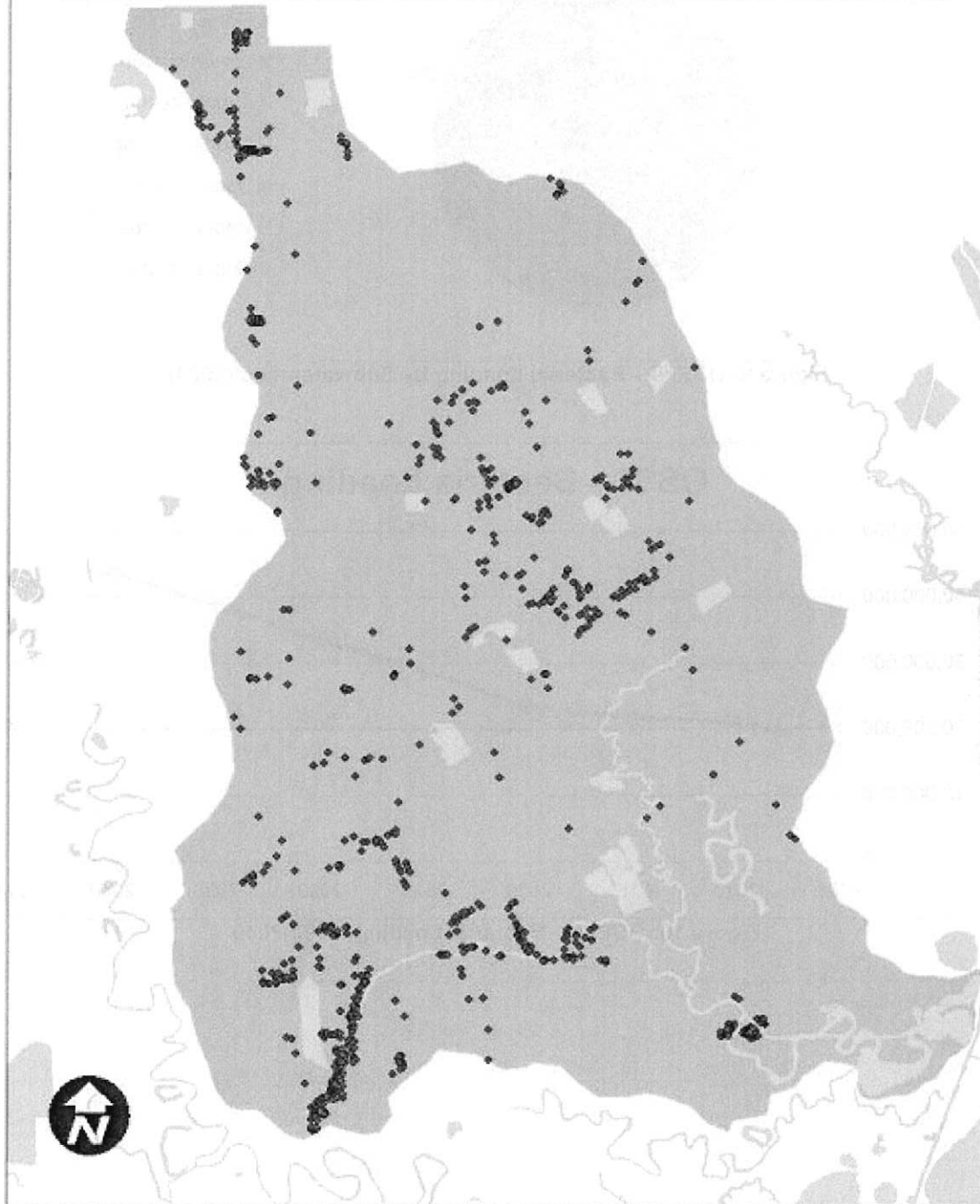


Figure 8: OSSFs in the Bastrop Bayou Watershed

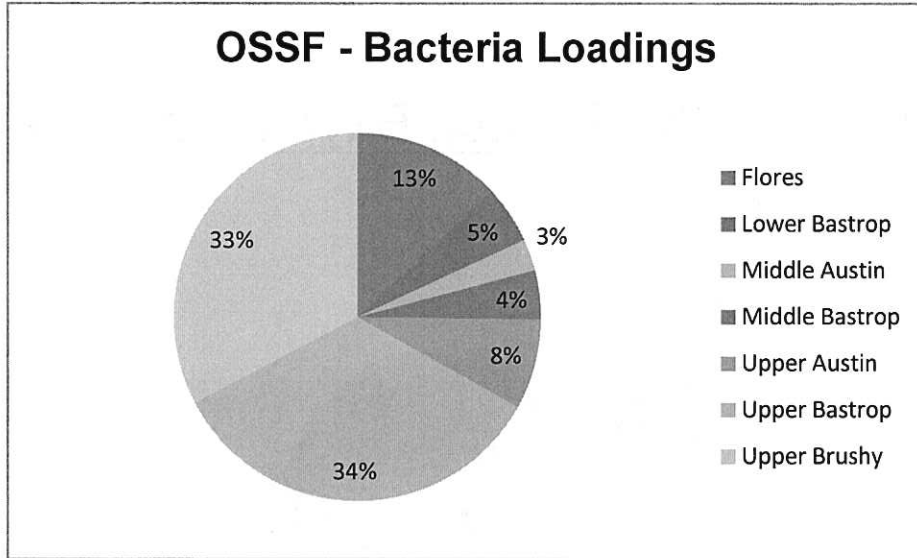


Figure 9: OSSFs – Bacterial Loading by Subwatershed (2008)

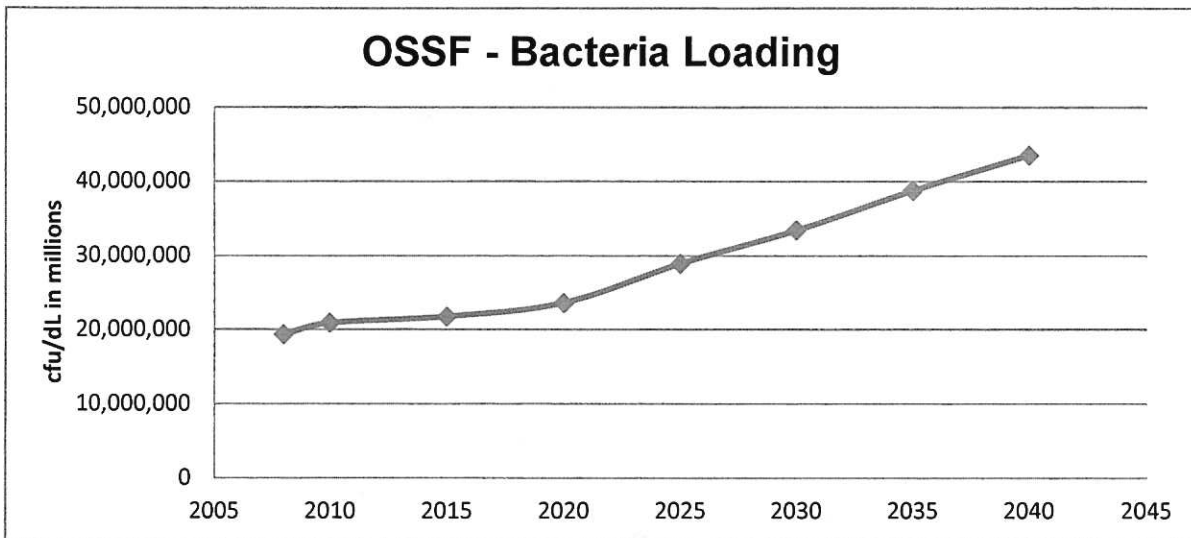


Figure 10: OSSFs – Bacterial Loading, 2008-2040

## Dogs

Dog waste is a significant source of pathogen contamination of water resources (Geldreich, 1996). According to the American Veterinary Medical Association, Texans own 5.4 million dogs (AVMA, 2002, pp 1, 2, 13, 19). By dividing the number of households in Texas, the average number of dogs per household can be approximated (0.8 dogs per household). This average was multiplied by the number of households in each block to find an estimated number of dogs per census block. Using the area of each census block, a density of dogs per 900 m<sup>2</sup> was found. Then the census polygons were converted to a raster and the dog density is assigned to each 30m×30m cell. Published values report that dogs produce  $5 \times 10^9$  fecal coliform organisms per day (USEPA, 2001). Again, the 50% rule of thumb is applied to find the E. coli load per day from each household. The potential E. coli load contribution from dogs was aggregated for each subwatershed. Dog concentration was expected to be closely correlated to urban populations. The results indicate that this was not the case. As the model is based on population density, the loading from dogs was overrepresented in urban areas and more accurate for rural areas. The PBS&J study likely accounts for the dogs and a separate inclusion double counts the results.

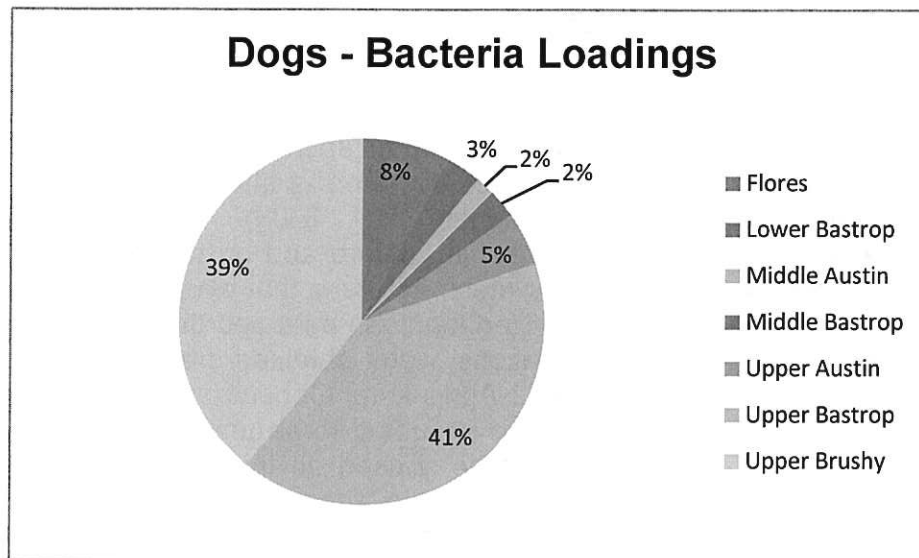


Figure 11: Dogs – Bacterial Loading by Subwatershed (2008)

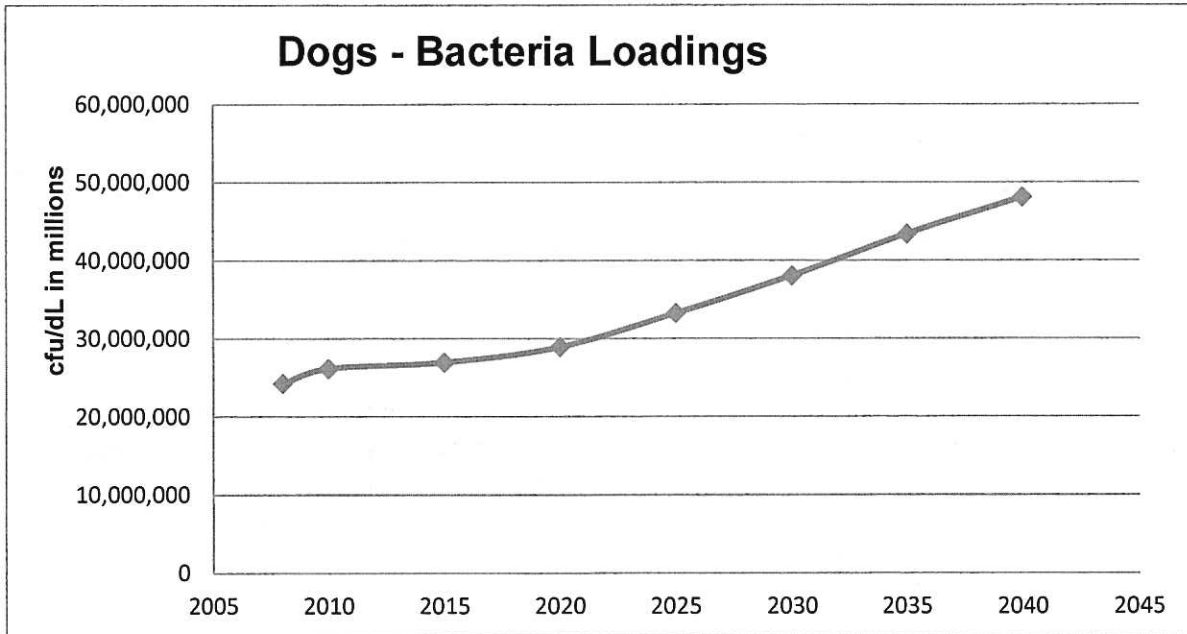


Figure 12: Dogs – Bacteria Loading, 2008-2040

### Agriculture (Cattle)

Rural nonpoint sources include agricultural range animals and wildlife. Bacteria in animal manure either can be directly deposited into the stream or can be carried by runoff from the fields to the streams (Benham et al., 2006). Range animals such as cattle, sheep and goats are primarily kept in pasture and on rangeland. Horses are principally confined to pasture areas. Watershed areas that were classified as pasture and rangelands was selected from digitized land use data and the areas within the city limits eliminated. The animal populations were obtained from the United States Department of Agriculture (USDA) 2002 Agricultural Census and are aggregated per county (USDA-NASS, 2002). This data is assumed to be uniformly distributed across the range/pasture lands of Brazoria County. Based on this distribution, a density of animals per 900 m<sup>2</sup> is calculated. The appropriate lands in the Watershed are assigned these densities and multiplied by the fecal coliform excretion rate and then converted to E .coli potential (Figure 6). Bacteria loads are then aggregated to the subwatershed level. Upon stakeholder input, only the values for cattle were calculated, as cattle comprise over 90% of the total number of domesticated animals in the Watershed.

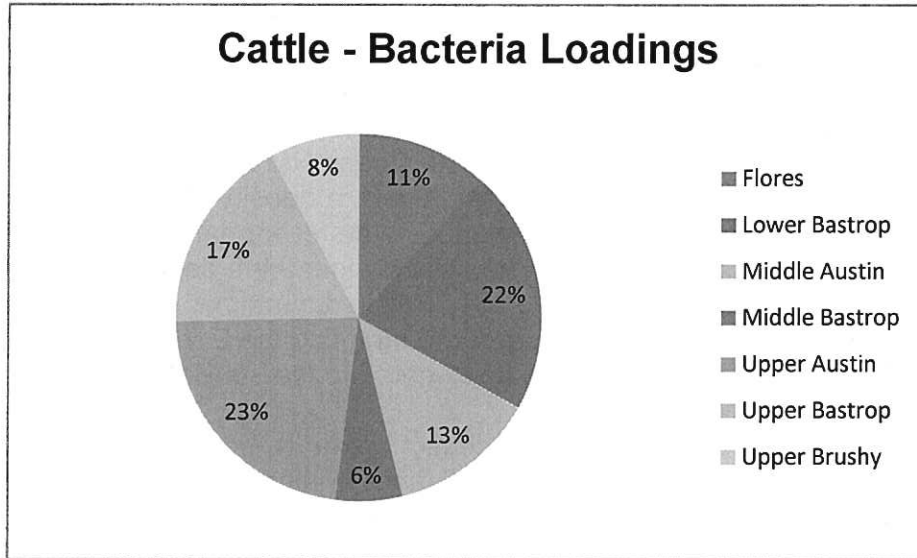


Figure 13: Cattle – Bacterial Loading by Subwatershed (2008)

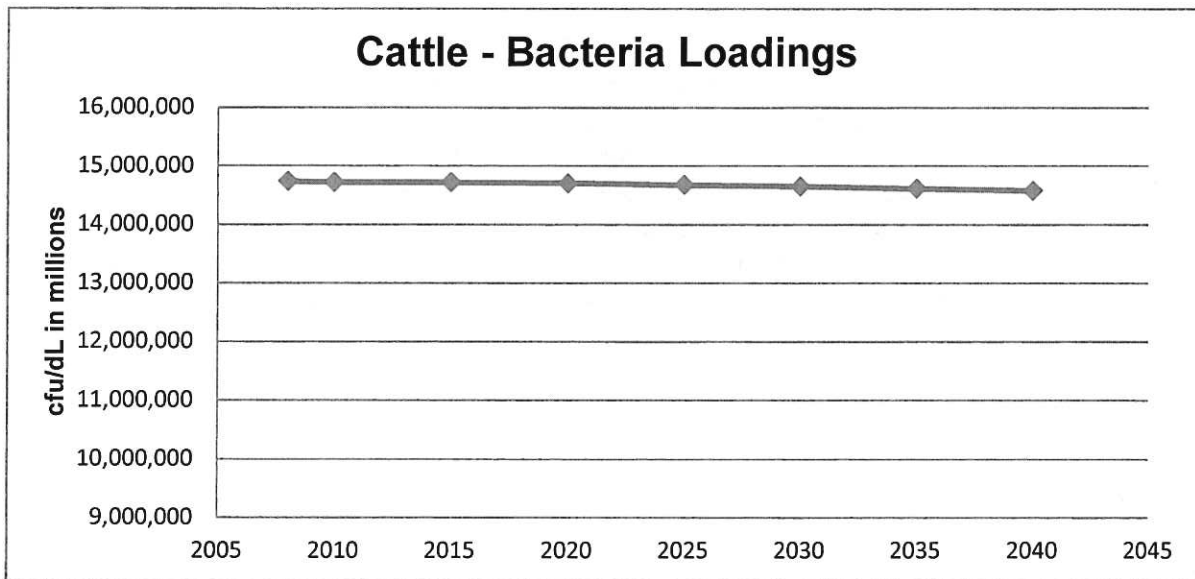


Figure 14: Cattle – Bacteria Loading, 2008-2040

#### Wildlife

Wildlife populations also contribute to bacterial contamination in the Watershed. Major wildlife contributors include deer and feral hogs. There are many other wildlife sources, such as birds, opossums, raccoons and coyotes. Migratory birds, specifically, can represent an appreciable seasonal contribution. However, there are not reliable methods to estimate these populations. Deer habitat includes scrubland and forest areas. Feral hogs primarily use riparian corridors in undeveloped or agricultural land uses.

To distribute the deer population within the Watershed, land use areas with a continuous area of greater than 20 acres are first selected. Texas Parks and Wildlife Department (TPWD) annual surveys report a density of deer per 1000 acres for resource management units (RMUs) (Lockwood, 2005). The total number of deer is calculated based on the area of Bastrop Bayou in each RMU. With the area of land use within each bayou's section of the appropriate RMU, a density of animals per 900 m<sup>2</sup> is calculated. The RMU vector data is converted to raster format using the same extent and cell size as the land use data, with the cells assigned the deer density per 900 m<sup>2</sup>. Then a fecal coliform excretion rate of  $3.5 \times 10^8$  cfu/day-animal (Zeckoski et al., 2005) is multiplied by the deer per unit area in order to then find the E. coli load throughout the area. Then the potential bacteria load is aggregated to the subwatershed level.

Feral hog population densities and distribution data is scarce for the Watershed. Estimates of feral hog densities for the Rio Grande Plains and lower coastal prairie of Texas ranges from 3.2 to 6 hogs/km<sup>2</sup> (Hellgren, 1997). Bastrop Bayou habitat is comparable to the landscape of the Rio Grande Plains and lower coastal prairies. A landscape wide density of five hogs/km<sup>2</sup> is applied to the entire Watershed to produce an estimate of the total number of hogs. These hogs are then assumed to be uniformly distributed to riparian corridors, or the undeveloped and undeveloped land within 100m of a stream. Feral hogs may utilize nearly all types of landscape, but prefer forested and shrub lands adjacent to river bottomlands. Based on the number of cells with appropriate habitat, the density of hogs per cell is determined and multiplied by the fecal coliform excretion standard. This is calculated with the assumption that  $4.45 \times 10^9$  cfu/animal-day is the fecal coliform excretion rate multiplied by the 50% rule of thumb. Then the distributed bacteria load is aggregated to the subwatershed level (Figure 8). The results show hogs to be more prevalent than deer. The results are combined for both feral hogs and deer in the figures below. The decrease over time is related to increased development.

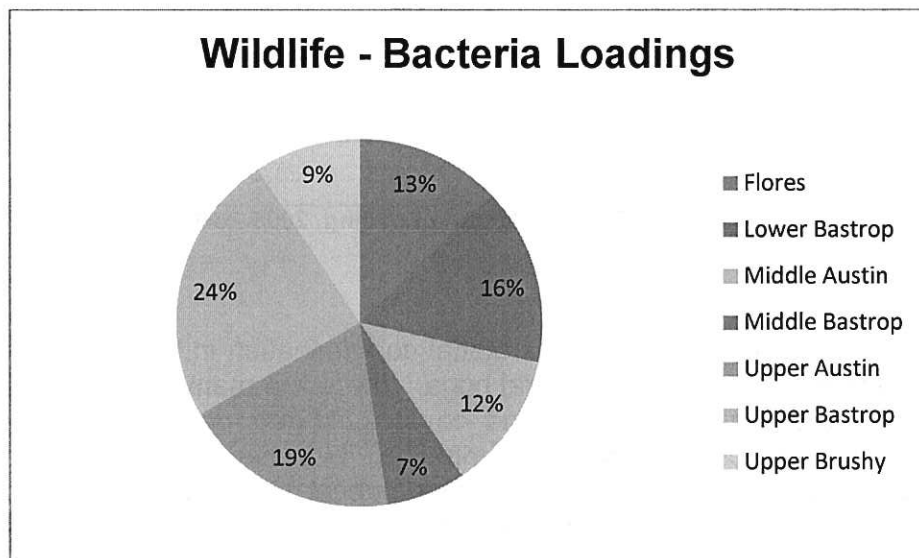
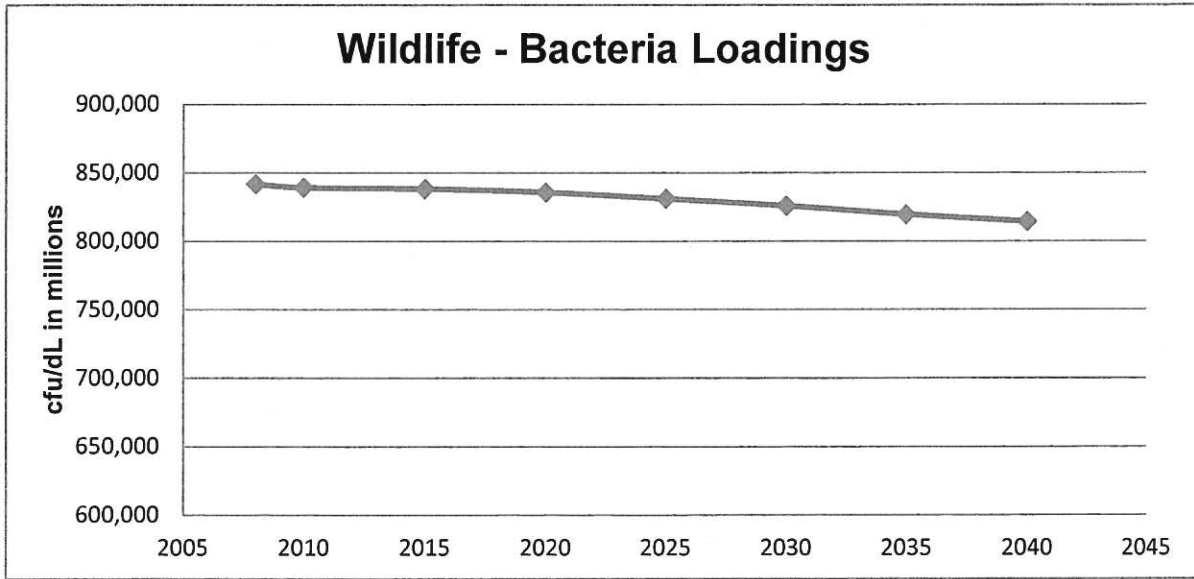


Figure 15: Wildlife – Bacterial Loading by Subwatershed (2008)



**Figure 16: Wildlife – Bacteria Loading, 2008-2040**

### 3.3.3 Totals

Combining the loadings from these separate sources created a total loading for the Watershed. As with the individual source categories, these loadings were projected out to 2040. The results of these projections are as follows:

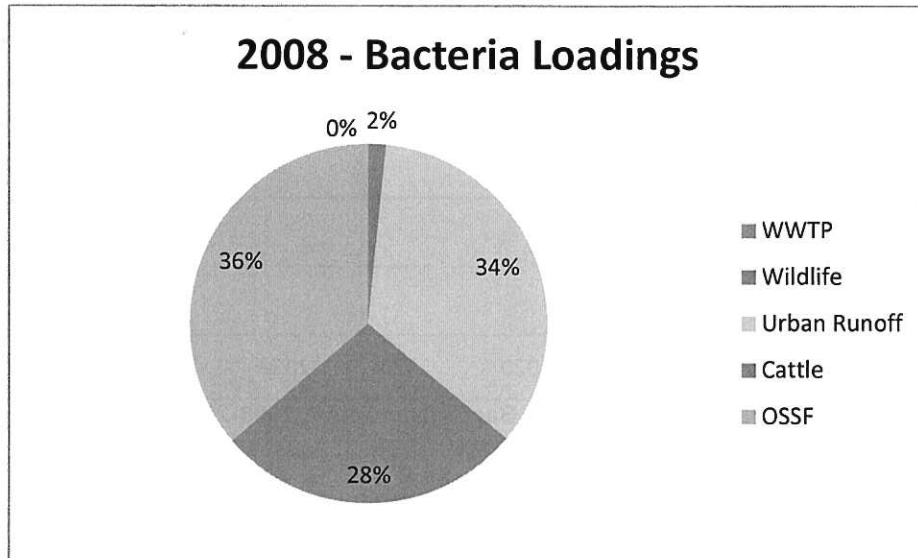


Figure 17: Total Bacteria Load by Source (2008)

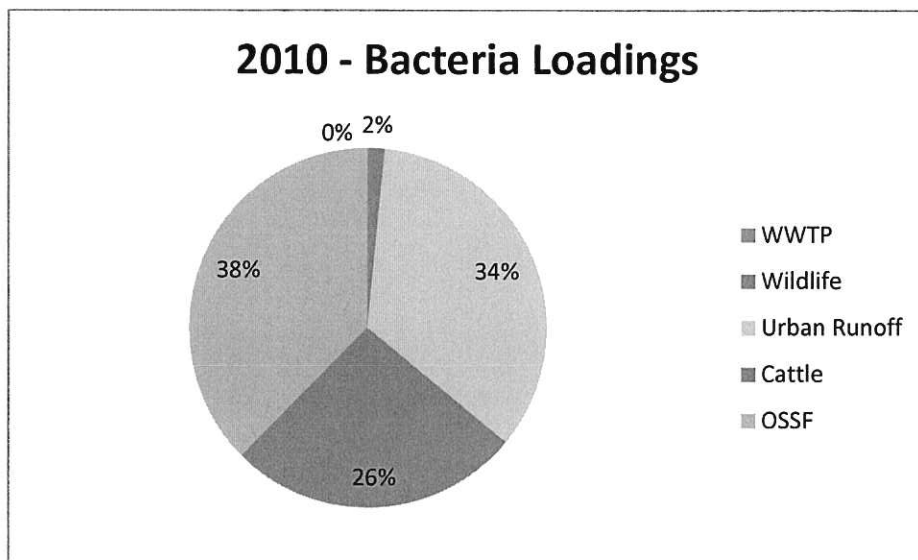


Figure 18: Total Bacteria Load by Source (2010)



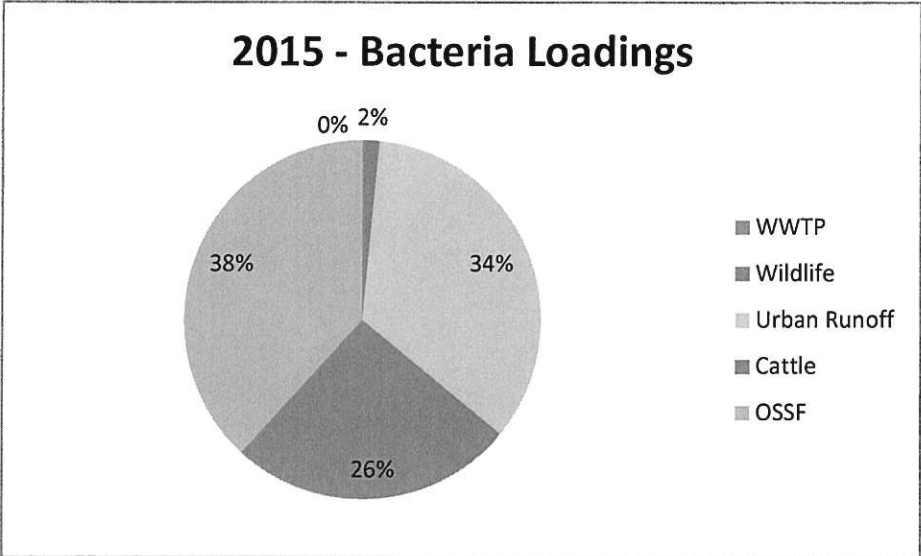


Figure 19: Total Bacteria Load by Source (2015)

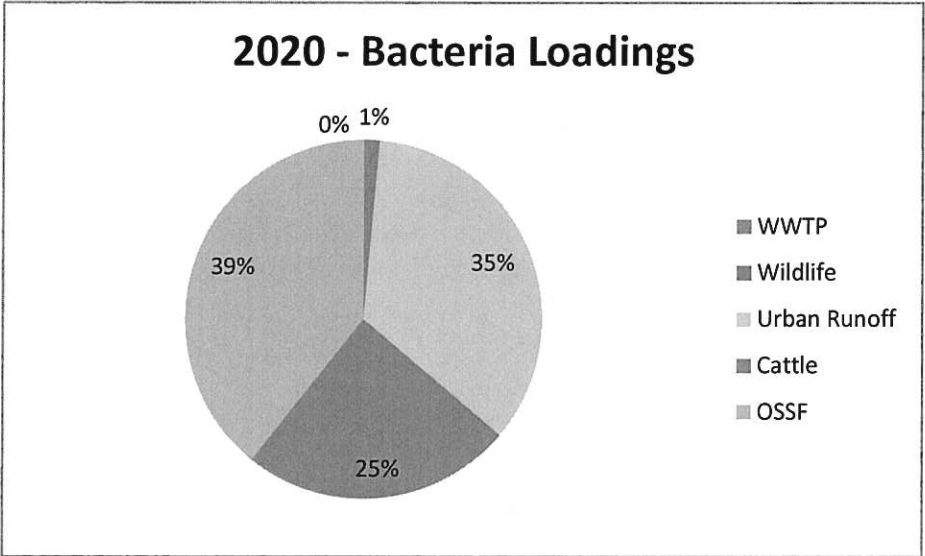


Figure 20: Total Bacteria Load by Source (2020)

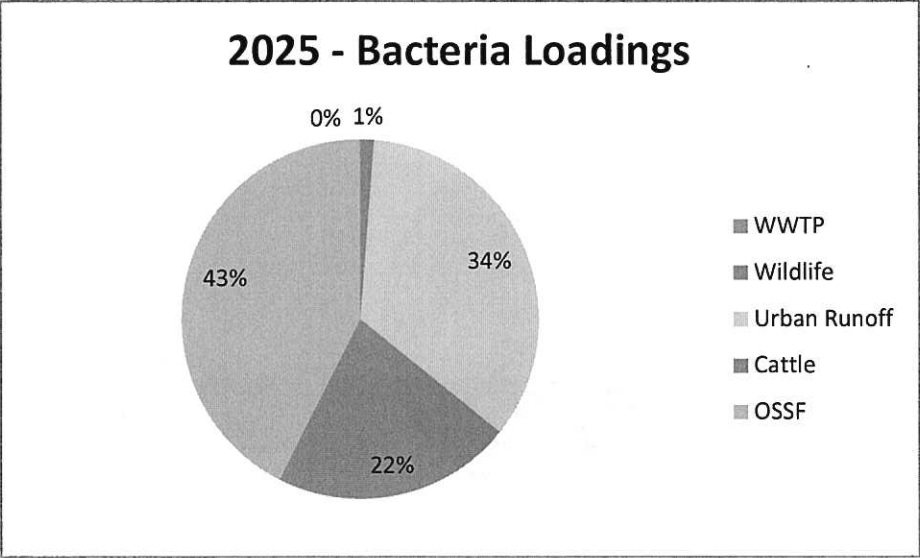


Figure 21: Total Bacteria Load by Source (2025)

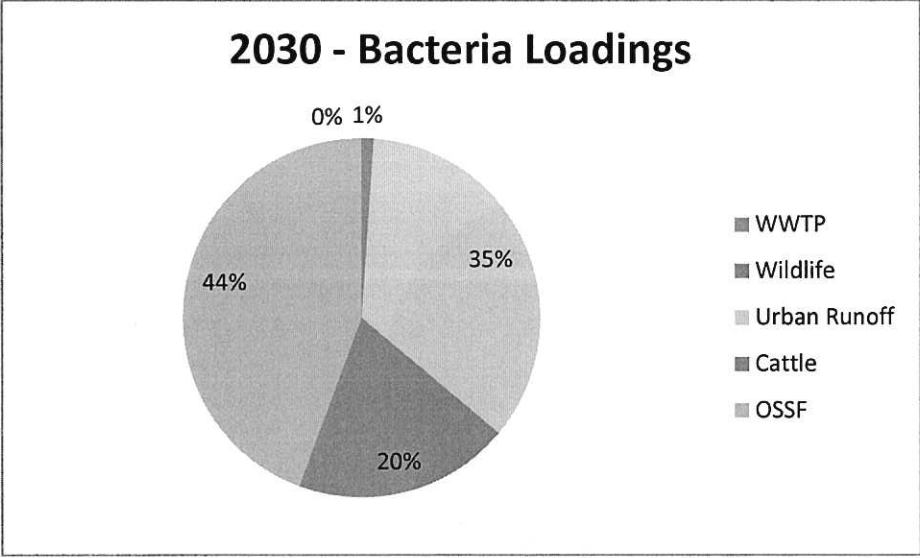


Figure 22: Total Bacteria Load by Source (2030)

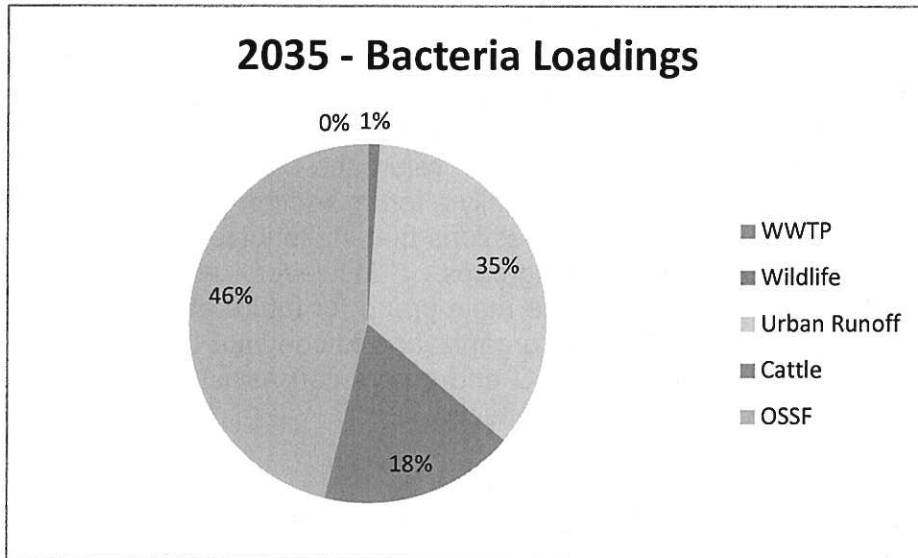


Figure 23: Total Bacteria Load by Source (2035)

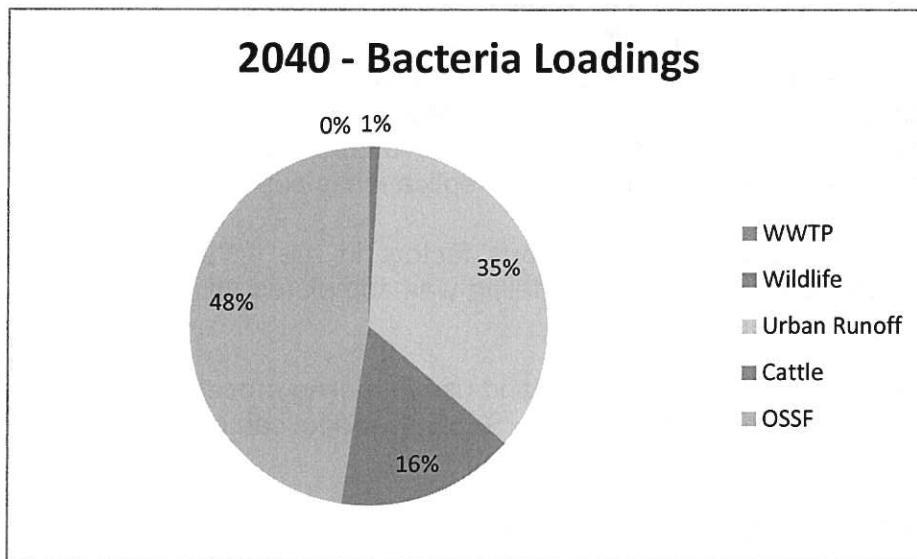


Figure 24: Total Bacteria Load by Source (2040)

#### Stakeholder Input on SELECT Modeling

In order to assist in reviewing the modeling approach and results, stakeholders received training from the Texas Watershed Steward program. Public meetings, web forums, and specialized training were used to disseminate the modeling results to the stakeholders. Texas Watershed Steward Course training was held on May 30, 2008 at

the Brazosport Community College. A section of the course specifically addresses water quality modeling. The SELECT model results were presented to the stakeholders after this class to maximize understanding of the results. The SELECT results were presented in December and January meetings with feedback requested at the meeting, by mail or email. The results and reference materials are also at the [www.bastropbayou.org](http://www.bastropbayou.org) website. Additionally a forum section is available on the website to provide feedback and answer any questions that stakeholders may have. Originally, stakeholders reorganized into workgroups. However, after one meeting the stakeholders decided to utilize only one main group for future efforts. The ultimate goal of this project is to enable a 501(c)(3) organization to continue to improve water quality beyond August 2009. Although H-GAC and others can assist, the stakeholders must actively participate for the project to be effective.

### **Review of SELECT Modeling Applicability**

When the results of SELECT are compared to the actual monitoring, SELECT overestimates the potential concentration at all sampling locations. This reinforces the known uncertainties of the models, including the exact distribution of the source populations. This overestimation is a result of incomplete knowledge of the transport processes. SELECT assumes that all bacteria will enter the stream. This does not account for settling, vegetative filtering, temperature or solar inactivation and other biological factors that will reduce the number of viable bacteria that will enter the stream. An assumption of 50% (“rule of thumb”) is used when describing the transport process. In order to get a more accurate model of the E. coli contamination, SELECT should be coupled with a watershed model that models the transport of the E. coli. The model does not predict the E. coli survival or movement into the stream. In other words, the pathogen’s environmental survival and replication is not modeled.

To further define the impacts of various factors in the water ways and model the influence of tidal action, additional modeling was completed utilizing the XPSWMM and EPD-RIV1 models. These models

Further information on the loading and land use modeling processes is contained in **Appendix A**, and further detail about the SELECT model can be found in **Appendix B**.

### **3.4 EPD-RIV1/Tidal Prism Modeling**

As the Watershed is not currently on the 303(d) list, the Plan’s goal is to maintain the current bacteria levels despite future changes in the Watershed. The general purpose of the modeling is to determine at what future point the standard for bacteria would be breached if no changes are implemented. This information will be key in determining how to prevent the Bayou and its tributaries from reaching that point. The SELECT modeling calculated the bacteria from the sources in five year increments until 2040, with 2025 defined as the boundary of the foreseeable future. While a hypothetical in-stream concentration could be calculated based on this loading per flow, this would not be representative of what occurs in the waterways, which are inherently dynamic

systems. The bacteria, once they have entered the waterway, are subject to a variety of processes, including die-off, regrowth, effects of UV radiation, and removal or redistribution based on tidal action. To properly understand the impact of the combination of these processes, more comprehensive modeling must be engaged to represent the physical and water quality processes acting on the target bacteria.

Towards this end, H-GAC sub-contracted the hydrodynamic modeling of both tidal and non-tidal sections of the bayou to consulting firm PBS&J. PBS&J set up a model of the Bastrop Bayou system using available bathymetric information. . The sub-contractor operated the model for a representative period and employed calibration and validation techniques to determine the rate at which tidal mixing removes materials from the bayou and the fate of bacteria in transport. Available CRP ambient water quality data from TCEQ's SWQM-IS was employed for calibration. For the non-tidal sections, PBS&J developed synthetic flow calculations from Chocolate Bayou's flow measurements. No USGS flow monitoring gauges are located in segment 1105, while a USGS flow measuring station is located in the adjacent Chocolate Bayou. Given the relatively close hydrologic character of both waterways, this was chosen as the option with the least inherent uncertainty. Estimations of current concentrations, projected future concentrations without BMPs, and projected future conditions with BMPs (a ~20% reduction in loading) were completed.

The end result of this modeling effort was to indicate that the projected BMPs and resulting source loading reductions (See Sections 4 and 5) would likely result in indicator bacteria concentrations below the water quality standard at the monitoring stations.

The methodology, details, and results of this modeling approach are found in the report in **Appendix C**.

## 4 Pollutant Loads and Required Reductions Element B

To reduce loadings of identified contaminants, the stakeholders will institute a variety of management measures throughout the Watershed. This section presents information on load reduction estimates for each category of management measures, which are explained in greater detail in Section 5.

The load reductions expressed in the following categories are given as percentages of the total loads estimated by the SELECT (see Section 3, and Appendices A, B, and C.) The sum of these estimated reductions were applied as an input to the EPD-RIV1 model's projected future conditions (with BMPs) as a reduction in loadings. The end result of the reductions on projected concentrations is reflected in the final concentrations generated by EPD-RIV1. However, the EPD-RIV1 model did not break out the reductions in concentration by BMP. Therefore, the following discussion of categorical reductions is based on loading reductions, prior to simulation of in-stream impacts. The total reduction estimates generated by the EPD-RIV1 (See Section 3 and **Appendix C** for more detail) effort are discussed in section 4.7.

The reductions estimated in 4.1-4.6 are drawn from a mix of literature values, assumptions made in similar watershed planning efforts, and calculated reductions specific to the character of this Watershed. The reductions are grouped by categories of related projects.

### 4.1 Education and Outreach Projects

Education and outreach is a major component of the strategies utilized in the plan to help reduce the bacteria load into Bastrop Bayou and its tributaries. These programs are some of the easiest and cheapest to implement, yet they can be some of the most effective. Not only does education and outreach produce a tangible reduction in nonpoint pollution to the water, but it also service as a public relations benefit for state and local governments and other entities.

An educational survey will be distributed to residents by the stakeholder group throughout the Watershed to solicit information and educate constituents. Pre- and post-survey information will be gathered by the school district's Project WET and WILD. Other general education and outreach efforts include the actual Watershed Protection Plan and Executive Summary. Upon completion and approval of this plan, the plan itself will serve as a tool for education and guidance to residents throughout the Watershed. Also, a website will be maintained to provide plans, updates, and other information. Press releases, newsletter articles, Texas Watersheds Stewards programs, and Dow's Living Laboratory will all provide general watershed and water quality stewardship information. Promotional materials and classroom activities used to advertise outreach programs will include homeowner information regarding proper OSSF maintenance, available livestock financial incentive programs, and low impact and large scale

development educational workshops. Additional education and outreach programs specific to other categories will also be described later in this section.

In many instances the value of outreach projects is defined as a range of effectiveness. A recent study evaluated numerous outreach techniques and the best method to compare the relative effectiveness (Abrams, et.al. 2008). Based on this study, an estimated 2% of the total load reduction from all sources necessary to meet the water quality standard can be reasonably achieved in the near term though outreach efforts in the Watershed. The 2% figure cited by Abrams & Maibach assumes that outreach activities are novel (i.e. not repetition of previously disseminated information, which might lead to diminishing returns, as the impact would not be cumulative). In this case, the 2% estimation was deemed appropriate for this Watershed because there have been few if any known similar watershed outreach efforts in the area. Because these activities are not redundant relative to previous outreach efforts, they can expect to achieve the full 2% reduction. Other successful Watershed Protection Plans have assumed similar reduction values. (e.g., Plum Creek, 2009)

The long term effects of outreach can be significant if the efforts are sustained and become pervasive. The selection of individual activities this Plan proposes to implement in order to achieve these reductions is outlined in section 7.

## **4.2 Animal Management**

Agricultural range animals and wildlife are prominent nonpoint sources in rural areas. Bacteria in animal fecal matter can introduce bacterial contamination to waterways either through being directly deposited into the stream or by being carried by runoff from the fields to the streams. Because greater control can be exercised over domestic animals than wildlife, the range of BMPs suggested under this WPP focus on livestock rather than wild animals. However, as is detailed in Section 5, additional actions may be necessary to curtail the contributions of deer and feral hogs. Cattle comprise over 90% of the total number of domesticated animals in the Watershed. As such, they are the specific focus of conservation and load reduction efforts under this Plan. Implementation of the activities described below will result in a 25% decrease in the bacterial loading from this category, which translates to a 7% reduction in the total bacterial loading for the Watershed.

Based on the success of previous efforts (TSSWCB Water Management Plans, etc.) incentive-based, voluntary management can be achieved to prevent livestock waste from entering waterways, or greatly reduce its impact. BMPs employed toward these aims include fencing, providing alternative water sources and developing buffer areas to intercept or filter contaminated flow before it enters waterways.

For cattle, the expected load reduction from the implementation of these measures is based on an estimated 70% reduction in the loads that are deposited directly into the waterways for the parcels on which the BMP programs are implemented. This is

derived from a 2008 published study by Texas Agrilife (Wagner, et. al. 2008). Using radio-telemetry collars on cows, the study found that the time spent in or near a stream is reduced by 75% if alternative shade and fresh water are available. If implemented BMPs prevent cattle from wading in the stream, then loading from direct deposition is also reduced in the stream (TWRI, 2008). To account for variability in agricultural conditions and practices, a more conservative figure of 70% is utilized in this document. In the modeling for this category, the relocation of the fecal deposition from directly into the waterways is accounted for in the Select modeling.

As a default, SELECT overestimates the relationship between deposition and amount of bacteria in the actual stream by assuming that all bacteria in deposited fecal matter reaches the stream regardless of where it is deposited (Paul et. al, 2004). To relate this to actual conditions regarding transmittal of bacteria from land deposition, a 50% transmittal rate is used as rule of thumb default value, based on assumptions made in similar watershed studies, (Paul et. al, 2004). In other words, only 50% of the bacteria deposited on land are estimated to enter the stream. Therefore, in quantifying reductions, the following assumptions are made based on data from the aforementioned Texas Agrilife study: 1) Cattle spend approximately 45% of their time out of the water, and 55% in or adjacent to the water, 2) bacteria deposited on the land is reduced by 50% by the time it reaches the waterway, on average, 3) deposition that is reduced in the water, is added to land deposition, and 4) fecal deposition is at a constant rate.

Using these assumptions, a reduction of 70% of the fecal matter deposited in the water is equivalent to a 25% reduction in overall bacterial loading to the stream from cattle. As loading from this category accounts for 28% of the total Watershed loading (Figure A30), this categorical reduction will account for a 7% reduction of total loading. Note that this reduction does not take into account potential beneficial impacts for multiple barriers to fecal contamination to streams which might include combinations of fencing and filter strips, etc., to address land and water deposition rather than just single BMPs. This approach was chosen to maintain a conservative estimate and to reflect the variability of applicability of any one BMP to all potential sites. Some sites may not be suitable for multiple BMPs, and therefore, a single representative BMP was chosen. Additionally, these reductions specifically speak to reductions in originating loads, rather than end concentrations, as represented by the EPD-RIV1 modeling.

While the WPP includes potential BMPs aimed at wildlife bacteria reduction (regarding feral hogs), it is unlikely that the Hog population in the area will be significantly reduced in the near future. Therefore, no reductions are assumed from these BMPs. However, there is value in the proposed projects (educational elements, hog hunting events, etc) stemming from a long-term shift in behavior. Addressing wildlife in an appreciable way in the short term would likely involve greater resources than are available, and the benefit per cost is likely to be less than other approaches.

In the process of determining potential sites for BMP implementation, the Plan focuses on identifying parcels that are adjacent to the streams in the Watershed and have cattle ranching operations. Of these identified parcels, twenty landowners have expressed



interest in implementing TSSWCB Management Plans on their property in the short term. Based on these twenty parcels, there are currently 2,804 acres under Management Plans. Given the ongoing success of the TSSWCB's Water Management Plan model, it is expected that subsequent plans will be completed for additional landowners and additional parcels. Based on the current participation trends, that expected growth in participation is expected to result in a total of 3,779 acres being covered under a water management plan by 2040. This process will be supported under this Plan through existing communication networks and partners. It is assumed that the percentage of land allocated to ranching operations will decrease based on increased pressure from urbanization. Reductions seen in the future incorporate both the impact of improved management of existing ranching operations and the impacts of reduction of land availability for ranching operations. .

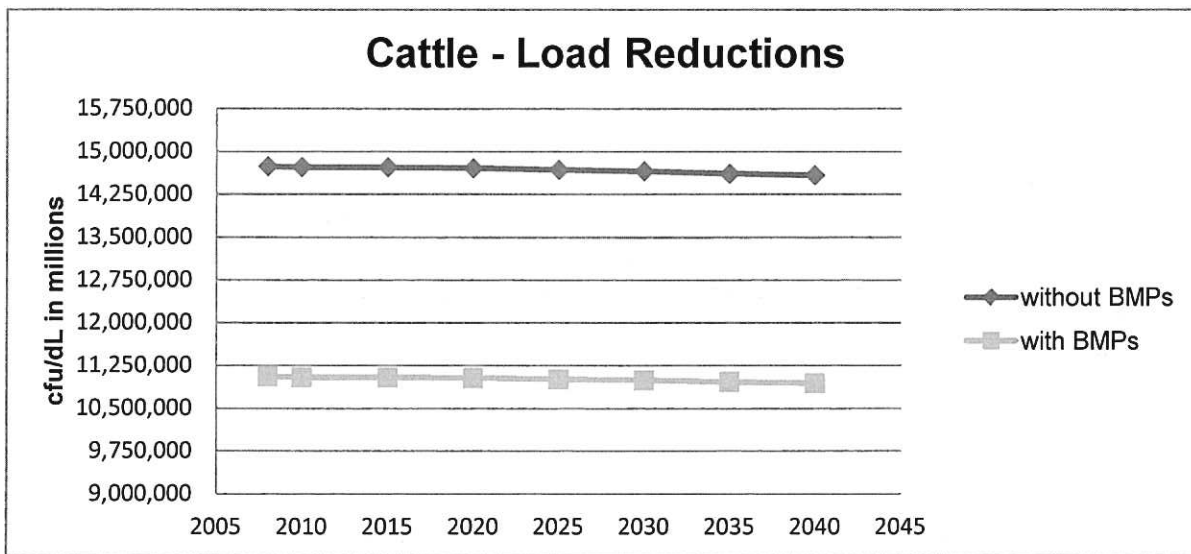


Figure 25: Expected Loads and Load Reductions – Cattle

### 4.3 Wastewater Treatment Plants

No bacteria effluent testing was required under any of the plant permit requirements during the production of this Plan. New state regulations will require bacteria testing such that, as the WWTPs renew their five-year permits, bacteria testing requirements will become mandatory, based on an expected 126 cfu/100 mL effluent limit. . Absent that information in the short term, the load from each WWTP under these load reduction estimates was calculated by multiplying the permitted concentration by the permitted effluent outflow. A value of half the contact recreation standard (63 mpn/100 mL) is assumed to be the loading from the plant. This assumption, used in the absence of historical effluent testing data for bacteria, is based on similar assumptions in local TMDL studies, and was developed as a result of best professional judgment of the stakeholder group.

If enhanced maintenance measures are adopted by the WWTPs then a reduction of 15% of the loading from this category can be expected over time. The enhanced maintenance measures are being developed for the Houston-Galveston area by the local TMDL projects' Bacteria Implementation Group, and include many of the maintenance and operational practices recommended under the EPA's CMOM program template (EPA, 2005). Overall, point sources account for 1% or less of the Watershed's current bacterial loading. It is expected that the introduction of the bacteria testing requirements will result in an inherent reduction in bacteria. To reflect the potentially growing amount of treatment provided by WWTPs in subsequent years, the reductions expected from increased monitoring, and potential education and outreach efforts targeted at plant operations, a reduction of total loading of 1% was assumed for the purpose of subsequent modeling. Given the uncertainty with these estimates, and the very small portion of total loading they represent, these reductions were not graphed.

#### **4.4 OSSFs**

OSSFs can contribute pathogens to a water body due to system failure and surface or subsurface malfunction. Based on Brazoria County Health Department assessment of the Demi-John community in the Watershed, which had experienced high levels of OSSF failure, the failure rate is 79% for pre-1989 systems and 42% for post-1989 systems. Malfunctioning or inadequate systems can contribute a significant amount of pathogens to the waterways. Their impact on the Watershed is significant enough that Brazoria County is currently suing the Demi-John community over OSSF issues. Overall, the Community contributes 1.2% of the bacteria loading of the Watershed. Between remediation of Demi-John and general enforcement and education activities (Assumed 2-3% reduction overall) a 4% overall reduction (8% reduction in the loading for the category, equivalent to 4% total reduction in 2040) was used for this category. Some factors (change from OSSFs to sanitary sewer systems, choice of treatment in new development, etc) are not able to be modeled, so some degree of uncertainty is reflected in the 4% estimate. However, this is a conservative estimate to balance that uncertainty.

Among the communities in the Watershed, Demi-John has the highest known OSSF failure rate, and therefore is the short-term focus of attention for mitigation efforts. There are a total of 319 homes in Demi John. If the malfunctioning septic systems in Demi-John are repaired, a 58% overall short-term load reduction is a reasonable expectation. This figure is based on repairing the 79% of OSSFs that are currently malfunctioning, without replacing the 21% that are not. However, while 21% of OSSFs are currently sound, it is expected that they will begin to malfunction in the future. It is currently expected that a WWTP option will be completed rather than remediation of OSSFs.

The number of homes in the whole of the Watershed was determined based on the service area boundaries from the WWTPs. Census data was then used to determine the total number of homes in the Watershed to derive the number of homes estimated

to be on OSSFs. There are 12,135 of homes using OSSFs in the Watershed. Of these 6,893 are expected to require repair. This estimate is based on a comparison of the average ages of the OSSFs by the percent that fall within each failure rate. An average percentage was derived from this comparison, and used to generate the expected average failure rate of 57%.

Over time, assuming current trends stay constant, 9,383 homes will have malfunctioning systems and the overall loads associated with malfunctioning OSSFs will increase from 36% to 48%. A reduction of 57% for the Watershed as a whole will be necessary. Home-owner education is expected to result in 2% repairs resulting in 186 OSSFs. Due to better siting criteria and increased enforcement, new OSSFs will have a lower failure rate than currently observed, though this number will be offset by growth in the area. Additional reductions will come from increased enforcement activities. Brazoria County has indicated its willingness to pursue legal remedies with Demi-John in order to force the repair of malfunctioning OSSFs. As such, any residents in the Watershed who are financially able to repair their systems will likely do so, to avoid the greater costs of non-compliance. The estimated number of residents with malfunctioning OSSFs will be 4,854 due to the increased enforcement and Education & Outreach efforts.

H-GAC, in coordination with County officials, will work to obtain grants or other funding sources for residents who are financially unable to make repairs to malfunctioning OSSFs. According to OSSF installers, the average estimated cost to repair a malfunctioning OSSF in Brazoria County is \$2,500.

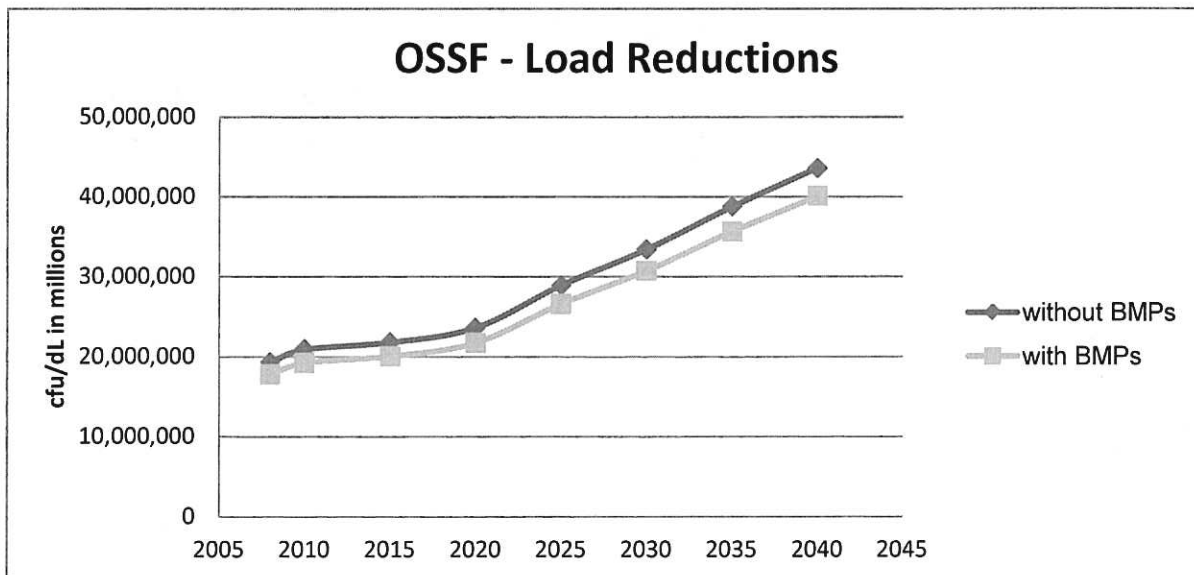


Figure 26: Expected Loads and Load Reductions – OSSFs

## 4.5 Urban Runoff

Storm water runoff from urban areas contains bacteria from various sources that accumulates on land surfaces. During a rain event the bacteria are washed into Bastrop Bayou and its tributaries. Runoff is by the far the most prevalent source of pollutants for the Watershed, and increased population density and urbanization will only magnify this impact. The Plan intends to achieve load reductions through promotion of low impact development (LID) practices and incorporation of water quality concerns into large scale development projects. The implementation of LID practices and large scale development projects is estimated to produce an 8% reduction in the bacterial loading from this category, which represents a 3% reduction of the total loading for the Watershed.

### **Low Impact Development - Urban Runoff**

Development of small-scale BMP's includes pervious pavement projects, promoting rain water to soak into the ground instead of flow into the waterways; green roof projects, designed to collect rain water for plant use; and rain gardens, developed to collect rain water for plant use and to serve as detention for flowing storm water runoff. These practices are often most appropriate in suburban settings where there is sufficient space to implement them. Vegetated swales, for example, are not always appropriate in dense urban areas. However, there are a range of practices available for all levels of development. A green roof, for example, could find application in almost any setting.

WaterSmart demonstration gardens or similar green infrastructure pilot projects can be installed at city halls, county parks and other public areas. These gardens not only offer a destination for residents, they also exhibit proper landscaping, plant selection and gardening techniques to best manage storm water runoff.

On a given property, a 20% reduction of bacterial loading from runoff can be expected based on similar Low Intensity Development practices as found by the HUD 2003 study titled "The Practice of Low Impact Development." (HUD, 2003) The bacterial reduction was interpolated from reduction in all of the pollutant sources listed. Specifically, Total Suspended Solids were reduced by at least 20-80% using various LID practices. As such, bacteria can be expected to be reduced by at least 20% from those properties which implement these measures (Figure 12). Currently there is one planned LID project area in the Watershed, and estimates from stakeholder input and professional judgment are that up to a fifth of the urban acreage (including new development) could utilize similar practices. To quantify urban acreage, low and high intensity developed land were totaled, resulting in 4,637 urban acres. Thus, a 20% reduction for 20% of the urban acreage, or approximately 927 acres, is equivalent to a 4% reduction for the loading from urban runoff in general. This in turn is equivalent to a 1.5% reduction to the total bacterial loading (urban runoff accounts for 34% and 35% of total loading in 2008 and 2040, respectively.)

### **Large-Scale Development Practices - Urban Runoff**

Cities within the Watershed address flooding in a variety of ways, including implementing and enforcing stormwater management ordinances which regulate development characteristics, participating in federal, state and regional programs

designed to reduce flooding impacts, and creating plans to address multi-partner and collaborative opportunities with other local jurisdictions, regional government(s), educational institutions, non-profits and special purpose districts.

The Federal Emergency Management Agency (FEMA) plays a major role in setting national policy to reduce and abate natural and man-made disasters and provides funding for projects. In the context of flood abatement, FEMA ensures that local cities implement appropriate regulations/processes through the Community Rating System. The Community Rating System is a point based system that allows a reduction in Flood Insurance premiums for all policyholders of the community if the community adopts and successfully implements certain regulatory standards and adopts processes intended to publicize related information. FEMA provides funding for disaster relief and mitigation, which is distributed through the Texas Division of Emergency Management in accordance with State mitigation priorities.

Entities working in the Watershed can utilize several strategies for reducing the risk of flooding from these waterways and promote the protection of water quality. These solutions include: storm water detention ponds, a permanent pool of water designed to collect and naturally filter storm water; new wetland detention areas, larger, more complex detention areas with wetlands, marshes and vegetation; and vegetated swales, shallow channels with dense vegetation.

Based on the 2003 HUD study at least a 20-80% reduction in contamination can be expected following implementation of these activities. For the purpose of load reductions a conservative 20% reduction is utilized for the load reduction calculations (Figure 12). Based on stakeholder input, known efforts in the Watershed, and best professional judgment, it is assumed that another fifth of the urban acreage could be served by large scale development practices that incorporate bacteria reduction as a goal. Therefore, a 20% reduction from 20% of the acreage (927 acres) is equivalent to a 4% reduction for the total urban runoff loading. This, in turn, is equivalent to a 1.5% reduction to the total bacterial loading (urban runoff accounts for 34% and 35% of total loading in 2008 and 2040, respectively.)

This Plan assumes that the LID practices and large scale bacteria reduction projects are not serving the same acreage. In the case that they are, it is not expected that the load reductions would be a cumulative 8%, as the LID practices would reduce the bacterial content of inflow to detention basins serving the same area, etc. However, given the balancing impact of the conservative nature of the reduction estimates, they are treated as cumulative reductions serving separate areas, and thus a total load reduction of 8% of urban runoff contribution, or 3% of total watershed loading.

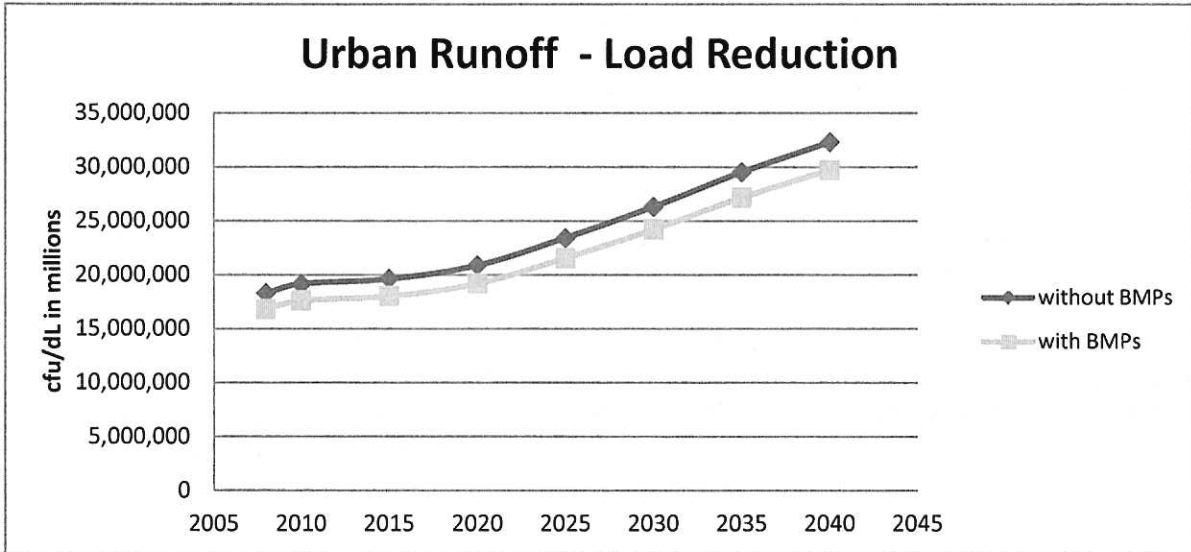


Figure 27: Expected Loads and Load Reductions – Urban Runoff

For future consideration, density of development may be a desirable goal to pursue. Promoting density in urban growth may be the best option to conserving natural areas and reducing polluted runoff. On a watershed scale, higher density can result in much less polluted runoff, because much less land is occupied.

For example, at typical suburban densities of 3,000 people per square mile, 100,000 people occupy at least 30 square miles of land. At 15,000 people per square mile (the approximate density of the French Quarter in New Orleans), only about 7 square miles of land are used, a savings of 23 square miles of natural area. Communities developed under New Urban or Smart Growth principles can easily achieve densities of 15,000 to 30,000 people per square mile. It is unlikely that all new growth in the Bastrop Bayou Watershed will occur at that density. A very minimal increase in density, to 6,000 people/square miles, easily achieved just by narrowing lot sizes and street widths and encouraging a few more town home developments, would result in an open space savings of 200 acres. A geographic advantage for the Watershed is the fact that aerial photos from Angleton show a grid pattern conducive to mixed-use development that may encourage walking and promote density.

#### 4.6 Pet Waste Management

The calculation of bacterial loading from pets can be problematic. The density of pets is directly linked to population and urbanization. In urban areas, pet waste is double counted, both in the runoff and as a separate category. Therefore, a portion of the bacterial runoff from urban areas is generated through pet waste, and is addressed by the practices outlined in section 4.5 above. Lowering urban-runoff will also reduce the impact from pet wastes which comprise a part of the urban runoff. However,

heightened community awareness and local ordinance enforcement can complement LID practices, etc., and will help decrease the amount of pet waste allowed to enter waterways. We will support this through dissemination of printed materials and through reference at community meetings and other outreach efforts. Through educational efforts, HOAs can be encouraged by stakeholders, residents, and local businesses to include pet waste reduction provisions in new and existing by-laws. As no structural provisions are required for this specific measure, retroactive by-laws could easily be adopted. "Pooper scooper" laws have not been effective as a sole approach in many communities in the United States, but enhanced enforcement by local governments is the primary recommendation under this WPP, and represents a more direct and comprehensive approach. The effectiveness of these combined outreach efforts are likely to 2% in reducing load reductions in the watershed. (Abroms, et al., 2003) The Plan also calls for addition of pet waste stations and related materials. Given that no reliable reduction estimates are available for the impact of these elements, they are being considered part of the combined 2% outreach efforts reduction estimate.

**Table 2: Summary of Expected Load Reductions**

Source	Reduction expected (as % of total loading by 2040)	Reduction In million cfu/year	Source of estimate
Education and Outreach	2%		Literature values
Livestock	7%		lit values and existing/proposed acreage under BMP
Wastewater Treatment Plants	1%		lit values regarding CMOM/other improvements
OSSFs	4%		lit values, proposed projects
Urban Runoff	3%		lit values, proposed projects
Pets	2%		lit values (for education efforts and HOA efforts)
<b>Total</b>	<b>19% reduction of total load</b>		

#### 4.7 Totals Reduction Estimates

The total reductions of potential loadings represented by the estimates in section 4.1-4.6 (See Table 2) were applied under the EPD-RIV1 modeling effort. Given that some categories included potential ranges of reductions, a general reduction of 19% of source loadings was applied under EPD-RIV1. Because EPD-RIV1 uses different categories and sources of input, the 19% was broken and applied to the inputs most related to the original sources (see **Appendix C** for more detail).

When the impacts of the 19% total reduction in sources were modeled against future conditions, it resulted in reductions in overall concentrations at the monitoring stations.

The end result indicates that, with the suite of BMPs recommended under the WPP, the bacteria concentrations for the waterways would likely remain below the water quality standard. While nutrients are not specifically modeled, and therefore no reduction estimates were produced, it is expected that many of the BMPs designed to retard bacteria inputs would also serve to reduce nutrient loads (buffer areas, education, addressing OSSFs, etc)



## 5 Management Measures Element C

To address the concerns in Bastrop Bayou Watershed, the stakeholders identified and prioritized potential management measures. Ideas for projects were solicited from stakeholders and local decision makers, and taken from existing watershed protection efforts. The ideas were presented to the stakeholders over three monthly meetings which allowed for ample discussion of each idea. Finally the stakeholders selected three ideas/projects each. The numbers of votes for each project were tallied and results presented to the stakeholders. The stakeholders approved the projects and a ranking was developed for implementation. The same priorities were used for the projects presented here. The stakeholders felt that education and outreach were the most important activity. This was a universal across all of the stakeholders. Enforcement and addressing issues through the HOA's were felt to be the least effective. Some detail regarding these management measures is contained in Section 3. The following is a discussion of the suite of management measures selected for implementation, in ranked order.

### 5.1 Education & Outreach

Outreach and educational efforts are a core part of the WPP model. The following management measures, grouped into categories, are recommended for the education and outreach component of the Plan's prescribed solutions. They are part of the efforts described in Sections 5.2-6.0, and should be not be considered in terms of rank. These are specific items, which will be supported through presence at local events and other general outreach as deemed appropriate.

1. **Informational/Promotional Materials-** The materials will be disseminated to the public to cover a variety of issues. Because many of the materials have already been developed, these promotional items are free of charge, even in large quantities, from EPA, TCEQ and other local groups. These materials may also be used in conjunction with enforcement activities. It is expected that these informational materials will be a mix of general and locally-specific components.
  - a. **Cattle management materials** will be used to promote existing state financial incentive programs to ranchers.
  - b. **OSSF maintenance materials** will be aimed towards homeowners and community groups in order to disseminate materials providing proper OSSF maintenance techniques.
  - c. **Urban runoff project signage** will be displayed at various locations where low impact and large scale development projects have been installed. These will serve as a demonstrative classroom experience to describe the methods that stormwater BMPs use to improve surface water quality.

2. **Public Relations-** Public relations materials will include a website for the watershed which will provide updates of upcoming events and current information that is valuable to residents of the watershed. Press releases and newsletter articles will be written and published on a regular basis also to update residents of pertinent information regarding Bastrop Bayou and its tributaries.
3. **Model Homeowner Association (HOA) bylaws-** HOA bylaws hold the potential for enhancing enforcement of septic system regulations and promoting pet waste management in new communities. By using HOA's, the community can distribute informational materials and even enforce regulations on septic systems and pet wastes. H-GAC will provide a set of model guidelines to assist local HOAs with pursuing such changes. The model ordinances will be made available to all HOAs, but it is intended only as an educational tool for the HOA. No community will be required to enact any ordinances based on this recommendation.
4. **Watershed Signage-** Signage regarding watershed boundaries and illegal dumping will be erected and an illegal dumping hotline number will be posted at popular fishing locations. The county would construct the signs and provide the hotline to report illegal dumping. The signs would act as an educational and enforcement tool.
5. **Workshop and Classroom Activities-** Many organizations offer workshops to provide a hands-on experience. The activities can be varied depending on the educator and the audience.
  - a. **Project WET and WILD** would be taught in the classroom as an adjunct to the Science curriculum. Both WET and WILD are certified by the Texas Education Agency for use in classrooms. The Brazosport ISD would also use Texas Stream Team kits in the classroom as an adjunct to the regular laboratory work. This is intended for grades 6 and onwards.
  - b. **Educational kits** will be demonstrated at the public events, including the Trash Bash event. The Enviroscape kits are a popular hands-on-activity at fairs and provide a fun way to learn about watersheds.
  - c. **An educational trail** would be used by the local community and feature educational signs and offer a place for ecological tours within the Watershed. DOW Chemical is working with the US Fish and Wildlife Service on dedicating land within the Watershed as part of the National Wildlife Refuge system (DOW Woods).
  - d. **Texas Watershed Stewards** is a one day classroom program facilitated by Texas AgriLife Extension. The program is a free event which invites local residents to learn general watershed stewardship and information specific to the watershed in which they reside. Teachers and professionals can also receive continuing education credits for attending.
6. **Educational Survey-** An education survey will be used to assess knowledge among the local residents, and serve as an informative tool.

7. **Public Participation Opportunities-** For those seeking a greater level of involvement, volunteer opportunities are available. Such opportunities also have the ability to provide immediate, direct, and quantifiable impact upon the environment.
  - a. The first **Trash Bash** event was held on March 28, 2009, and was featured in the Texas Salt Water Fishing magazine and the Facts newspaper, with nearly 150 volunteers. Trash Bash returned again in 2010, and will continue to be supported on an annual basis. This is the only community cleanup event in the area.
  - b. **Texas Stream Team** training events. There are currently eight volunteer monitors in the Watershed, with the goal to increase training events and participation. To support the volunteers, monitoring kits, training and replacement chemicals would be provided.

## 5.2 Cattle and Wildlife Management

8. **Cattle Programs-** As the primary domesticated animal in the Watershed, Cattle are the focus of livestock management efforts. Incentive-based, voluntary management can prevent livestock waste from entering waterways by fencing them out, and providing alternative water and shade. Upon approval of the WPP, the TSSWCB has agreed to match \$5,000 in cash to landowners/lease holders who voluntarily agree to limit runoff from their property. Individual Water Quality Management Plans are reviewed and approved by TSSWCB and are a legal contract. There are 15-25 parcels of property with direct access to the Bayou that may be prime candidates for participation. Additionally, implementation of the WPP will include facilitation and promotion of water quality management plans and similar measures through the TSSWCB and other agricultural agencies. Specific targets are reducing cattle presence in waterways through fencing, and alternative water and shade sources. To support these efforts, an educational component (see 5.1) will help spread the word to landowners.
9. **Feral Hogs-** While no direct action will be taken by the stakeholder group regarding feral hog populations, they will work with partners in the watershed to promote hunter education classes focused on feral hog management and a feral hog hunting promotional event.

## 5.3 Wastewater Treatment Plants

WWTPs are the most easily identifiable potential point sources of bacteria in the Watershed. Recent state requirements for new permits to include bacterial monitoring of effluent will help provide a better picture of bacterial loading by WWTPs, and also help to catch any noncompliant facilities. There are no management measures suggested for sanitary sewer other than to promote it as a treatment option over OSSFs (see 5.4) and to utilize future bacterial sampling data in Plan review and update processes.

## 5.4 OSSFs

Based on Brazoria County Health Department assessments, the failure rate is 79% for pre-1989 OSSFs and 42% for post 1989 systems. To address this source, the following management measures were selected. Due to the huge potential costs involved with remediating infrastructure, the extent of some elements of these BMPs will be subject to available funding and partner participation.

- 10. Remediate Malfunctioning OSSFs-** For areas where a WWTP is not feasible, the project proposes to promote and potentially fund aspects of assistance programs for low income homeowners to replace malfunctioning systems as funding allows. The homeowner would normally agree to maintain the system as a condition of the assistance. This is likely a long-term element, and relies heavily on partner participation and funding. The extent of the scope will be determined by investigation of existing OSSFs
- 11. Enhancing OSSF Design Criteria-** Stakeholders recommended working with Brazoria County to enhance their OSSF design criteria for OSSFs to ensure better siting and OSSF types appropriate to local soil conditions, potentially including shared systems for RV parks and other cluster developments.
- 12. Promoting Sanitary Sewer Service-** Sanitary sewer system will be promoted as alternatives to new OSSFs or remediation of old systems in communities through education and coordination with interested parties at the County level. The community of Demi-John is trying to replace malfunctioning septic systems with a WWTP. The WPP group, through the H-GAC has already lent support to grant applications to meet this goal. This is a priority element of this management measure.

## 5.5 Illegal Dumping/Trash

The stakeholders felt strongly that reducing illegal dumping was an important aspect of promoting pride and awareness of their local waterways and of addressing secondary factors related to contamination. Illegal dumping and trash in the waterways was identified as an ongoing issue in the Watershed. The following management measures were selected to address these issues.

- 13. Trash Reduction Events-** The Plan will support and encourage participation in Watershed-wide trash reduction events focused on removing accumulated trash from water bodies and their immediate surroundings. The annual Trash Bash event was selected as a priority aspect of this goal.
- 14. Addressing Illegal Dumping-** Stakeholders recommended erecting signage and implementing an illegal dumping hotline through the County to provide education and aid enforcement aimed at curbing illegal dumping.
- 15. Addressing Dump Sites-** The Plan calls for supporting the County and other partners in locating existing dump sites and removing dumped materials.

## 5.6 Urban Runoff

While the majority of the watershed is rural in character, its urban areas can be an appreciable source of runoff contamination. The management measures to address this issue focused on both smaller scale green infrastructure pilot projects, and promoting large scale runoff remediation projects. Construction site runoff was also targeted under these considerations.

#### **Low Impact Development - Urban Runoff**

Development of small-scale green infrastructure BMPs includes a variety of pilot projects used to demonstrate and evaluate green infrastructure principles, including:

- 16. Angleton Courthouse Annex Project-** A green infrastructure project will be implemented for Angleton's courthouse annex or other suitable public location;
- 17. Green Roof Pilot Project-** A green roof pilot project designed to collect rain water for plant use will be implemented with a project partner (site to be determined); and
- 18. Green Infrastructure Pilot Projects-** This management measure involves installation of pilot rain gardens or other green infrastructure pilot projects, developed to collect rain water for plant use and/or to serve as a barrier to flowing storm water runoff. These gardens and other projects would not only offer a destination for residents, they also exhibit proper landscaping, plant selection, and gardening techniques to best manage storm water runoff. The selection of the projects will depend on sites and partner preference.

#### **Large-Scale Development Practices - Urban Runoff**

Being so close to the coast, flooding is a major concern for the residents in the Watershed. Municipalities have passed and enforce development practices, and collaborate with other local, regional and federal jurisdictions. Promoting storm water detention ponds, constructed wetlands, and similar large scale projects serve both the flood control function and water quality improvement function. Wet-bottom detention ponds have been shown to offer the greatest reduction in bacteria, as compared to similar large scale mitigation efforts. Regional entities like the Harris County Flood Control District have started to implement similar projects, incorporating flood control, water quality, habitat, and recreational aims into detention basins (such as the Project Brays sites along Brays Bayou in Houston). The projects recommended under this Plan are:

- 19. Storm Water Detention-** This measure involves supporting, and potentially partially funding where feasible and appropriate, the promotion, development and implementation of large scale storm water detention facilities. Priorities under this management measure are large-scale wet-bottom detention basins and/or constructed wetlands.
- 20. Storm Water Filtration -** This measure involves supporting, and potentially partially funding where feasible and appropriate, the promotion, development and implementation of stormwater filtration projects, including vegetative swales, constructed wetlands, and other related elements.

#### **Construction Site Runoff**

The stakeholders felt that construction site runoff was an appreciable issue in terms of sediment loading, trash accumulation, and other contaminants. This aspect of urban runoff was targeted for general promotion of partner efforts, including County and municipal efforts to enforce existing stormwater regulations (Phase I/II TPDES requirements, County and municipal codes and ordinances, etc) and general promotion of BMPs to reduce contamination from construction sites, including sediment barriers and similar measures. No specific measures outside of aspects of the overall educational and outreach campaigns were identified for this Plan.

### **HOA Regulation Enforcement**

The mention of model HOA regulations and materials in the Education and Outreach section above refers to H-GAC's development of example information and guidelines for the HOAs. This section refers to the actual enforcement of septic system or pet waste regulations by the HOAs themselves. By regulating more strict management of OSSFs or pet waste cleanup ordinances, the HOAs can pursue a more active method for reducing the bacterial load. In order to avoid double counting of HOA regulations, all load reduction will be applied to the development of regulation materials in the Education and Outreach section.

## **5.7 Pet Waste Management**

These management measures, initially ranked by the stakeholders as part of the urban runoff source, are described separately here to distinguish them from larger-scale BMPs addressed in section 5.6. Pet waste is often an appreciable component of bacteria loading from urban runoff. The Plan recommends that pet waste be addressed through the following management measures, in conjunction with a robust educational component:

- 21. Model Ordinances** - Development and support for model bylaws for HOAs, "pooper-scooper"-type ordinances for municipalities, and related requirements for other organizations, Cities, and HOAs will be encouraged to include pet waste reduction provisions in new and existing by-laws and/or ordinances. As no structural provisions are required for this measure, retroactive by-laws could easily be adopted. Residents will be encouraged to manage their pet wastes via education and outreach efforts.
- 22. Pet Waste Stations** – this structural element would involve supporting the siting, design, and implementation of one or more pet waste stations in urban or suburban areas in the watershed. The pet waste stations would include a disposal container and pet waste disposal materials (often plastic gloves or bags). The final design and size of the facility will be based on partner preference/existing design codes or other regulation. Local municipalities will be encouraged to install additional pet waste stations in higher use public areas. Specific focus will be given to public parks and events. Signage will be erected with the stations.
- 23. Pet Waste Outreach** – A public education and outreach program will be designed for residents and local decision-makers to encourage proper pet

waste disposal. Existing programmatic elements from successful national campaigns will be utilized for this purpose.

## 5.8 Land Acquisition

Buffers of open land, especially in riparian buffer areas, can aid in reducing contamination from bacteria-laden stormwater. Large tracts of land in the county were last sold prior to the economic crisis. If a large landowner were to sell the property, they would experience a loss, whereas if they donate the property then they can use the property valuations from 2007, which are significantly higher. This creates a unique opportunity to acquire property given the currently economic situation. Congress already allocates monies to US F&W's purchases of land, but not the appraisal of property. The project would only appraise properties while the US F&W would actually purchase the property. Tracts of land adjacent to the bayous or in undeveloped areas can serve as buffers to contaminated runoff. Additionally, through an educational component and existing programs, local landowners and businesses will be encouraged to consider conservation easements in the watershed, especially along riparian buffer zones. Management measures for this category include:

- 24. Land Acquisition** – Funding from the project, depending on availability, will help support the acquisition of land for conservation purposes, for costs other than the purchase of the land itself (appraisal, etc). The primary intended partner for this measure is the US F&WS, but other interested organizations may be considered as is feasible.
- 25. Conservation Easements** – Where feasible, the stakeholders and local partners will seek to coordinate or facilitate conservation easement education and support conservation easements in the watershed.
- 26. New Development Riparian Buffers** – The stakeholders will work with local governing bodies and developers to promote the inclusion of riparian buffers in new development.

## 5.9 Abandoned Boats

An abandoned shrimp boat was discovered in the Bayou during March, 2009. The boat was abandoned following Hurricane Ike with engine markings removed.

27. The Plan recommends supporting the removal of the boat from the Bayou and disposing of the oils and other hazardous materials safely.

## 5.10 Enforcement

There is currently limited environmental enforcement capacity for Brazoria County. The stakeholders recommended that the County enhance its enforcement capacity by the following measures:

28. **Additional Officers** – The Stakeholders recommended that the County agree to staff two additional environmental enforcement officers. Due to economic conditions, the may not be able to directly hire officers at this time, but may consider loaning two sheriff deputies to the environmental enforcement division. The new officers would report to and be supervised by the Environmental Enforcement Division. Timing and duration of personnel support will be based on economic and logistic resources available.



## 6 Technical and Financial Resources Element D

Identifying technical and financial needs and then matching them to available funding and capacities is a critical first step in mobilizing the resources needed to implement the solutions identified under this Plan. The estimation of costs and timing is dependent on available funding and subject to potential change dependant on economic conditions and outlook.

The needs, costs and matched resources for each category of management measures are detailed in the following subsections. Costs that are not specific to this Plan (i.e. services routinely provided by a given governmental entity) are not included. Additionally, while a matching value is applied to volunteer efforts, efforts undertaken by volunteers are represented as \$0 for the sake of accounting for actual costs (rather than in-kind value). The costs below reflect costs to potentially be funded by this WPP project rather than by external sponsors, matching funds, or partners. A full summary is provided as Table 4.

### 6.1 Education and Outreach

#### 1. Informational Materials.

- a. Model Homeowner Association (HOA) by-laws
  - i. Distribute materials - \$10,000 for printing and mail outs of previously developed brochures from the County.
- b. General public outreach materials, including an educational survey - \$5,000, with emphasis put on utilizing previously-developed
  - i. Enforce regulations on septic systems and pet wastes - \$0, volunteer enforcement.

#### 2. Workshop and Classroom Activities

- a. Project WET and WILD - \$24,000
  - i. Cost of classroom materials – \$22,900
  - ii. Cost of substitute teachers are the ten regular teachers get trained - \$1,100
  - iii. Expendable worksheets, diagrams for the exercises in the workbooks for ten classrooms (per annum) – \$4,500
  - iv. Curriculum design and teaching guides - \$0, normal service provided by the School district
  - v. Teaching of watershed concepts - \$0, normal service provided by Teachers and the School District
- b. Texas Stream Team kits – \$12,750
  - i. Cost of ten kits - \$4,000
  - ii. Training by a qualified instructor for all three phases, for ten volunteers - \$8,750

- iii. Replacement of chemicals (per annum) for ten kits - \$750
- iv. Staff support for ten volunteers, QAPP, QA/QC, Data Review, data submission etc. (per annum) - \$9,500
- v. Monthly testing and reporting of data - \$0 provided by volunteers
- c. Enviroscope kits - \$2,400
  - i. Two kits - \$2,400
  - ii. Replacement of parts and minor maintenance - \$250
  - iii. Space for storage of kits while not in use - \$0, no cost service provided by County
- d. An educational trail - \$20,000
  - i. Develop educational signage - \$0, existing templates or provided by non-profit organizations
  - ii. Printing of Signage - \$20,000
  - iii. Materials and installation of signage - \$0, provided by DOW Chemical
  - iv. Trail construction on which the signage will be placed - \$0, provided by DOW Chemical
  - v. Maintenance of signage (per annum) - \$0 provide by non-profit organization
- 3. Participation Opportunities
  - a. Trash Bash – \$5000 per site with matching dollars from the Texas Conservation Fund (TCF).
    - i. Cost for two sites - \$10,000
    - ii. Trash collection - \$0 provided by volunteers
    - iii. Food for the event - \$0 provided by TCF
    - iv. Even organization - \$0 provided by TCF
    - v. Door prizes - \$0 provided by TCF
    - vi. Disposal of Wastes - \$0 provided by corporate sponsors
    - vii. White goods, Hazardous Waste removals - \$0 provided by corporate sponsors
    - viii. Expendable Materials - \$0 provided by TCF
  - b. Texas Stream Team
    - i. Please see above

## 6.2 Cattle and Wildlife Management

- 1. Cattle Projects: - \$40,000
  - a. Cost for eight land owners - \$40,000 (with an additional \$40,000 provided by TSSWCB as matching funds)
  - b. Consultation for appropriate BMP - \$0 provided by the County Extension agent and USDA office staff
  - c. Plan development - \$0 provided by the local USDA office
  - d. Legal and Deed preparation - \$0 provided by the TSSWCB
  - e. Project materials - \$0 provided by land owner, TSSWCB or included in the original contribution
  - f. Project construction - \$0 provided by the land owner

## 2. Feral Hog Projects

- a. Hunter Training - \$500, provided by partner agencies.
- b. Feral Hog event - \$500, additional funding provided by partner agencies.

### 6.3 Wastewater Treatment Plants

There are no identified expenditures on behalf of this project or future projects under this category. However there are efforts underway by watershed partners that are identified as priorities in the Plan, including the transition of the Demi-John community to sanitary sewer. The dollar figures given are not 319h expenditures.

- a. Land Acquisition: \$50,000 (if necessary) provided by Demi-John or granting agency.
- b. Design of Plant: \$75,000, provided by Demi-John or granting agency
- c. Pipes and connection to the plant from each household: \$0 with \$3.3 million – provided by the Texas Water Development Board or other granting agency.
- d. Cost of the plant: \$0 with \$2.5 million – provided by the Texas Water Development Board or other granting agency
- e. Grant writer part time (If necessary): (valued at \$75,000, but no funds currently projected in this Plan. Demi-John has already submitted a grant application for the projected sanitary option. If additional grant opportunities arise, this item may be amended into future budgets).
- f. Operators, maintenance and materials for plant operations for twenty years - \$0 provided by residents as Taxes

### 6.4 OSSFs

1. Low income assistance programs – total costs dependant on available funding and need in the future. No funding is currently projected for this task, and the extent of future repairs will be dependent on further evaluation of watershed OSSFs.
  - a. Cost of system repair or replacement - \$2,500 / \$6,500 per system.
  - b. Maintenance cost per annum - \$0 provided by home owners
  - c. Develop program guidance and enforcement - \$0 provided by County Health Department
  - d. Inspection fees - \$0 provided by County Health Dept.
  - e. Legal and Deed restriction as needed - \$0 provided by County
  - f. Promoting OSSF assistance programs

### 6.5 Illegal Dumping/Trash

1. Signage and an illegal dumping hotline number - \$23,000
  - a. Cost for five signs non Texas Dept. of Transportation Standards - \$500

- b. Labor and materials to install the signage – \$4500
- c. Hotline, per year costs - \$20,000
- d. Dispatch of enforcement officers - \$0 provided by County
- e. Clean-up of materials as discovered - \$0 provided by County
- f. White goods or hazardous material fees - \$0 provided by County

## 6.6 Urban Runoff - Low Impact Development

Construction costs are highly variable for large projects. These are the typical unit costs for major projects for Brazoria County. County engineers utilize specialized software to calculate the costs of complex projects. Costs inputs used in the software for conventional projects are listed below (Table 3).

Table 3: Major Projects Cost Figures

Improvement	Cost
Roads, Grading	\$29.00 per linear foot
Roads, Paving (26-foot width)	\$87.50 per linear foot
Roads, Curb and Gutter	\$19.00 per linear foot
Total Cost of Road	\$121.00 per linear foot
Sidewalks	\$15.00 per linear foot
Storm Sewer (24 inches)	\$23.50 per linear foot
Driveway Aprons	\$650 per apron
Parking Spaces	\$1,100 per parking space (\$2.75 per square foot)
Clearing (wooded property)	\$1,500 per acre
Sediment Control	\$800 per acre
Storm water Management	\$5,000 to \$60,000 per impervious acre
Water/Sewer	\$6,000 per lot (variable)
Well/Septic	\$6,500 per lot (variable)

Working with County Officials, and the HUD 2003 report the benefits and drawbacks are summarized below (Table 4). Although grants are available for construction, County officials are most concerned with the maintenance of roads and other projects. Although pervious concrete is great for the water quality, it has very high maintenance costs. The pores trap dirt particles and water droplets. During rain events, a thin layer of slippery mud develops as a result. Gravel roads are low cost, not maintenance intensive and offer very high water quality benefits. However, residents do not like gravel roads because they offer a bumpy car ride.

**Table 4: Material Benefits Comparison**

<b>Material</b>	<b>Initial Cost</b>	<b>Maintenance Cost</b>	<b>Water Quality Benefits</b>
Asphalt/Concrete	Medium	Low	Low
Pervious Concrete	High	High	High
Porous Asphalt	High	High	High
Turf Block	Medium	High	High
Brick	High	Medium	Medium
Natural Stone	High	Medium	Medium
Concrete Unit Paver	Medium	Medium	Medium
Gravel	Low	Medium	High
Wood Mulch	Low	Medium	High
Cobbles	Low	Medium	Medium

## 6.7 Urban Runoff - Large-Scale Development Practices

Large scale projects are even more dependent on maintenance costs. The following list details the approximate cost for such projects based on the values derived from the Texas' Department of Transportation software package. The output with guidance from the County officials is listed below. These sums are not provided under funding for this or subsequent projects, but are from various partners or other funding sources.

1. Landscape gardens at a Park within the Watershed - \$75,000, Community Deveopment Block Grants (CDBG)
2. For the Courthouse Annex, pervious pavement, a green roof projects, and a rain garden - \$500,000 – provided by CDBG
3. Stormwater Detention Ponds - \$3,234,840 – provided by Flood Control district, CDBG
4. Wetland Detention areas, and swales \$4,467,160 - provided by Flood Control district, CDBG

## 6.8 Pet Waste Management

1. Homeowner Association (HOA)
  - a. Distribute materials - \$10,000 for printing and mail outs of preexisting brochures from the County.
  - b. Enforce neighborhood pet waste code - \$0, volunteer enforcement.
2. City Parks (three)
  - a. Signage for parks - \$2,250

- b. Cost of stations at each park - \$2,400
- c. Materials and labor for installation - \$0 provided by Parks Dept.
- d. Expendable supplies (gloves, bags etc.) (per annum) - \$2,700
- e. Disposal of wastes - \$0 provided by City

## 6.9 Land Acquisition

For the sake of this Plan, the cost per property is assumed as the initial funded cost during implementation. As additional funding is available, more properties may be considered.

- 1. Appraisal of Property - \$10,000 per property, provided by project or granting agency.
- 2. Property acquisition - \$0, staff resources provided by USFWS
- 3. Property Donation - \$0 provided by the land owner

## 6.10 Abandoned Boats

- 1. Boat removal - \$25,000
- 2. Disposal of removed materials - \$0 provided by the County
- 3. Disposal of hazardous materials or sludge - \$0 provided by the County

## 6.11 Enforcement

- 1. Environmental Unit
  - a. Permanent loan of two officers - \$0, (valued at \$75,000 in personnel and training costs), provided by the County

## 6.12 Monitoring

Cost for all three categories of BMP monitoring is lumped together because monitoring events will be conducted during the same trip. Cost includes staff time, mileage, and lab costs.

- 1. Ambient monitoring - \$0, funding provided as match by Clean Rivers Program
- 2. BMP pre- and post-implementation monitoring - \$3,900

*N.b. The dollar figures listed throughout this section are assumed to come from the 319(h) or other Federal, State or private grants where not attributed to other sources. Since most public and private grants require a matching component, the matching sources are also listed. The assumption is that a grant would provide 60% of funds with the remainder as match.*

**Table 5: Technical and Financial Resources Summary**

<b>Category</b>	<b>Cost</b>
<b>Education and Outreach</b>	<b>84,150</b>
<b>Informational Materials</b>	<b>15,000</b>
<i>Public Outreach materials</i>	5,000
<i>Model HOA Bylaws</i>	10,000
<b>Workshop and Classroom Activities</b>	<b>59,150</b>
<i>Project WET and WILD</i>	24,000
<i>Texas Stream Team Sponsorship</i>	12,750
<i>Enviroscape Kits</i>	2,400
<i>Educational Trail</i>	20,000
<b>Participation Opportunities</b>	<b>10,000</b>
<i>Trash Bash</i>	10,000
<i>Texas Stream Team</i>	n.a.
<b>Cattle and Wildlife Management</b>	<b>41,000</b>
Cattle Projects	40,000
Feral Hog projects	1,000
<b>OSSFs</b>	(Variable)
OSSF Low Income Assistance Program	(variable)
<b>Illegal Dumping/Trash</b>	<b>25,000</b>
Dumping and Watershed Signage	5,000
Hotline Costs (per year)	20,000
<b>Urban Runoff*</b>	<b>0</b>
Demonstration Rain Gardens	75,000
Green Infrastructure Projects at the Courthouse Annex	500,000
Stormwater Detention Ponds	3,234,840
Wetland Detention Areas	4,467,160
<b>Pet Waste Management</b>	<b>32,050</b>
Educational Materials	10,000
Pet Waste Stations with Signage	22,050
<b>Land Acquisition</b>	<b>10,000</b>
Property Appraisal or other Services	10,000
<b>Abandoned Boats</b>	<b>25,000</b>
Removal of Beached Shrimp Boat	25,000
<b>Enforcement</b>	<b>0*</b>
Loan of Additional Enforcement Officers	75,000*
<b>Monitoring</b>	<b>3,900</b>
Ambient Monitoring	0
BMP monitoring	3,900

\* Costs are shown to indicate scope of partner contributions. However there are no projected costs to be funded under grant projects associated with this Plan.

### **Summary**

The extent to which these costs could be funded by future state and federal funding related to this WPP will be dependent on available funding and ability of local entities to contribute. Therefore the apportionment of costs will be equally reliant on project opportunities as they arise, and the ability of partners to contribute specific to the project and timing. The above lists represent a total of all identified projects recommended under this WPP. The implementation of these projects will be largely dependent on funding availability and economic conditions. Furthermore, projects will be prioritized based on the established priority ranking of the categories (further information on implementation is provided in Section 8).



## 7 Education and Outreach Element E

Education and outreach activities are a vital aspect of a WPP, and complement structurally oriented BMPs by addressing human behaviors. While structural management measures remediate the impacts of a contamination-causing activity, behavioral measures address the root causes. In this way, the two types of solutions are complimentary. This plan includes a variety of different types of education and outreach opportunities which are intended to impact all sources of bacteria loading into Bastrop Bayou and its tributaries. In order to quantify the load reductions contributed by each component, all the different types of outreach and education were grouped together to compose one category of load reduction. The outreach and education efforts detailed in this Plan are categorized as Promotional materials, Workshop or Classroom Activities, and Public Participation activities.

### 7.1 Promotional Materials

These materials are publications that have been printed or are online and are often readily available. They also include videos that can be borrowed or otherwise obtained for viewing. These are valuable to supplement presentations and to hand out at fairs and other outreach events with mass attendance. The material is standardized, and therefore the message is presented equally to all audiences. Printed materials help reinforce a message that may be lost, as they can be read and re-read at leisure. Because they have already been produced, these promotional items can usually be obtained free of charge, even in large quantities. Homeowner Associations (HOA) and other projects can use these promotional materials to distribute their message to residents of the Watershed. The Plan will utilize the following promotional materials:

- 1. Watershed Protection Campaign Brochure and Executive Summary**  
A watershed protection brochure titled "Bastrop Bayou Watershed" was updated to educate individuals about the impacts of individual activities on water quality and how to reduce those impacts. An update of the brochure is planned when the current printing runs out. A glossy "executive summary" publication was produced as a companion to the WPP. It provides a general summary of the WPP in an easily accessible format.
- 2. Website**  
The Bastrop Bayou website [www.bastropbayou.org](http://www.bastropbayou.org) is maintained by H-GAC. Information on the Watershed, press releases, upcoming meeting announcements and information presented at previous meetings can be currently found on the site. An online discussion forum, links to project partners, access to the Watershed Protection Plan, water quality data and an event calendar have been added. An additional domain name [www.bastropbayou.net](http://www.bastropbayou.net) has been purchased and seamlessly links to the web page as well.

### **3. Press Releases**

H-GAC creates and submits news releases to numerous media outlets, including 5 local newspapers and approximately 50 additional local and regional newspapers, magazines, radio programs and TV stations in the Watershed. Additional public information articles were developed and will be submitted to key outlets to announce completion of the WPP and to encourage stakeholder involvement in the implementation process, as funding allows.

### **4. Newsletter Articles**

Watershed updates will be written for the “Coordinated Watershed Protection in Southeast and South Central Texas” newsletter, which is prepared and disseminated by the TSSWCB. The newsletter is distributed monthly/bimonthly by mail and email and is available on the TSSWCB, Texas Watershed Steward websites. These updates provide information to a broader regional audience about activities, approaches and progress in the Watershed and serve as an important component of partnerships with similar groups in the state. During subsequent phases of the Plan implementation, other opportunities to disseminate professional information about the WPP will be utilized, including professional organizations, conferences, and other community organization outreach efforts.

- 5. Signage** will also be used to distribute information. If a hotline number is attached then the sign becomes an enforcement tool as well. **Road signs** would be developed and delivered to the county transportation department. They will be posted along major roads notifying travelers that they are entering the Watershed or when they are crossing a significant tributary. By adding a hotline number they can serve an enforcement component as well.

### **6. Cattle Management**

In order to reach ranchers who may be interested in the financial incentives projects, existing promotional materials from the TSSWCB and USDA will be used. It is expected local representatives from those groups will also pursue interested property owners through their existing programs.

### **7. OSSFs**

In order to reach homeowners, the local HOAs or similar community groups will be used. Existing literature from the Health Department and other watershed protection efforts will be used as an education aid to home owners.

### **8. Pet Waste Management**

HOAs and signage at parks will be used to inform the community about pet waste management. The easy gloves and bags and a disposal site will serve to enhance compliance with ordinances.

## **7.2 Workshop and Classroom Activities**

Outreach efforts can also be categorized as Workshop and Classroom activities. Many organizations offer workshops to provide a hands-on experience. These range from creating a wildlife-friendly habitat on school grounds, to wading knee-deep into the Bayou to collect and examine “bugs” (macroinvertebrates), to locally-based ecology courses through organizations like the Master Naturalists. In some cases, the participants enroll and attend at a specific organization’s facility or educators go to schools and teach students in their classrooms as part of their school curriculum. In addition, the activities can be varied depending on the educator and the audience, for a more individualized lesson. **This Plan will utilize:**

### **1. Texas Watershed Stewards**

Texas Watershed Stewards is a science-based watershed education program designed to help citizens identify and take action to address local water quality impairments. One training event was held on May, 2008 for the Watershed, and additional training events will be held as warranted and feasible.

### **2. Project WET and WILD**

These projects are developed as an adjunct to the science curriculum through a grant from the National Science Foundation. The purpose of the Project WET program is to teach children in junior and senior high schools about watersheds. Project WILD is the same type of program for elementary students. Both are certified by the Texas Education Agency.

### **3. Texas Stream Team (TST)**

TST volunteers help provide valuable information about local water conditions by conducting routine water quality monitoring. The kits used by TST can also be used by junior and senior high school students. Students can learn about science by using a hands on approach, and a class can adopt a stream to monitor with their teacher.

### **4. Enviroscape kits**

These are simple models to demonstrate the concept of a watershed. The participant sprays colored water onto the plastic model and watches the water move into the stream. They will be utilized by various partners at public events.

### **5. Educational Trail**

Educational trails offer tactile way to understand ecology. Signs inform visitors about ecological concepts. The entire trail can be a “classroom” with

well designed interpretative signage. The Brazoria National Wildlife Refuge, and the proposed DOW Woods location, maintained by the US F&WS, utilize such trails to help promote conservation education. This site will serve as an outdoor classroom, or “living laboratory” for watershed education.

#### **6. Low Impact and Large Scale Development Projects**

These projects can serve as a demonstrative classroom experience, by describing methods for improving water quality through the use of interpretative signage.

### **7.3 Public Participation Opportunities**

The third way in which outreach efforts can be categorized is as public participation opportunities. For those seeking a greater level of involvement, numerous opportunities for direct public participation exist. Storm drain marking, regular water quality monitoring, local recycling programs, clean-up days, and other activities are organized by municipalities and other organizations in the area. Such opportunities also have the ability to provide immediate, direct, and quantifiable impact upon the environment. The implementation of this Plan will provide the following public participation opportunities:

#### **1. Texas Stream Team (formerly Texas Watch)**

TST is a network of volunteers and supportive partners who are trained to collect quality-assured water quality information. H-GAC supports the TST efforts in the area and actively recruits volunteers. Participants in TST are certified at various levels depending on their monitoring activities. Participants must complete a monitoring plan before training begins to specify their environmental goals and concerns. Volunteers complete three phases of training using a test kit that measures physical and chemical parameters in water, and are asked to make a two-year commitment to monitoring their site(s) at the same time of day each month. Phase I Training is a hands-on in a classroom setting and was held in February, 2009. Phase II Training provides the volunteers the opportunity to conduct the monitoring procedures in the field was also conducted in February, 2009. Phase III Training is conducted as a one-on-one session with a Trainer and each volunteer at his or her monitoring site. Eight volunteers are scheduled to undergo this training, and more volunteers will be sought in the future. Program monies, as available, will be spent on the lab kits as well training events for the TST Program.

#### **2. Illegal Dumping/Litter Campaign (Trash Bash)**

Community cleanup events sponsored by H-GAC were conducted to remove smaller debris from Watershed bayous and capitalize on public involvement to improve awareness of the overall project. Local volunteers collect the

litter/trash, and corporate volunteers transport the waste to landfills or recycling centers. Educational materials were distributed at the event and provided to cities and counties for other community-sponsored events in the Watershed. The event was held in March 2009 and several articles were published in Salt Water Fishing Magazine and Brazosport Facts. This is a yearly event and will be ongoing at two sites in the Watershed.

The sum of these efforts will be a Watershed-wide outreach campaign aimed at a diverse range of stakeholders. The goal of this campaign is to reduce contamination by altering the behaviors that create it to the greatest practicable extent. To the greatest degree possible, stakeholders will seek to coordinate with existing programs and events, take advantage of existing contact lists and outreach materials, and structure their education campaign in such a way that it fits the financial resources available.

## 8 Implementation Schedule Element F

Once the stakeholders selected a comprehensive set of management measures, the next step in addressing contamination concerns in the Watershed was to devise a schedule for implementation. The goal of the schedule is to maximize reductions by using an ongoing, phased mix of projects targeting both structural and behavioral causes of bacterial contamination.

Based on funding availability, stakeholder approval, and community participation, implementation scheduling is not estimated with exact dates. Instead, the schedule reflects an anticipated start time frame, assuming funding is available and needed approvals are obtained. The actual start date may vary as a result of feasibility, or the dictates of adaptive management. Many start dates reflect ongoing or initiated projects by partners that are not dependant on future 319 grant funding, and therefore may start before the final approval of this Plan.

Some projects, especially education and outreach, will begin immediately and can continue for long periods of time. Construction project projects have more definite start and end times. More detailed project descriptions can be found in previous sections. All of the implementation projects are depicted in the timeline shown in Table 6 at the end of this section. Additional elements or details may be discussed in Sections 3, 5 and 7 for each category, respectively.

### 8.1 Education & Outreach

1. Informational Materials. Because they have already been produced, these promotional items are free of charge, and readily available
  - a. Model Homeowner Association (HOA) by-laws developed and presented at HOA meetings (2011-2012)
  - b. Signage and an illegal dumping hotline number printed and installed throughout watershed(2011 and 2012)
2. Workshop and Classroom Activities. Many organizations offer workshops to provide a hands-on experience
  - a. Project WET and WILD as an adjunct to the science curriculum developed and provided to teachers/schools and/or presented to students(duration of the Plan)
  - b. Texas Stream Team kits provided to students in the classroom as an adjunct to the regular laboratory work (duration of the Plan)
  - c. The Enviroscape kits provided to students and local residents to create a fun way to learn about watersheds. (2011)
  - d. An educational trail with educational signage, interpretative materials as well as brochures and publications developed and installed/displayed (2011-2012)
3. Public Participation Opportunities. For those seeking a greater level of involvement, volunteer opportunities are available

- a. Annual Trash Bash publicized annually to promote active participation by residents to clean up Bastrop Bayou and/or its tributaries (duration of the Plan)
- b. Texas Stream Team volunteer monitoring promoted and supported to facilitate water quality monitoring and awareness by the public (duration of the Plan)

## **8.2 Cattle and Wildlife Management**

There are 15-25 parcels of cattle ranching property with direct access to the Bayou that may participate. Stakeholders will work within the timeframes and resources of existing programs from the TSSWCB and others. (2011-duration of the Plan)

The feral hog hunter training and promotion events will be held in conjunction with partner schedules, and as of yet are not scheduled. Cattle BMPs are the primary focus of this management measure category, therefore the feral hog items will be opportunistic as time and funding makes feasible. (2011-duration of the Plan)

## **8.3 Wastewater Treatment Plants**

The community of Demi-John is planning to replace malfunctioning septic systems with a WWTP. The stakeholders are currently supporting grant application(s) by the Brazoria County Freshwater Supply District No. 2 to address this project. (2010-duration of the plan, with potential use of grant writer and Plant design scheduled for 2011)

## **8.4 OSSFs**

For areas where a WWTP is not feasible, the project proposes to assist low income homeowners to replace malfunctioning systems. The homeowner would agree to maintain the system as a condition of the assistance. (2011 through the duration of the Plan, with enforcement ongoing and remediation by partner agencies as needed.)

## **8.5 Pet Waste Management**

HOA's can be encouraged to include pet waste reduction provisions in their by-laws. Additionally, HOAs, municipalities and other entities will be encouraged to implement pet waste stations and signage in parks and public areas. (2011-duration of the plan for promotional materials, with signage and stations at the park beginning in 2011)

## **8.6 Land Acquisition**

Appraisal support would help for property acquisition that serves the goals of the WPP. (The appraisal phase would begin in 2011, focusing on short term acquisitions, although the process may last through 2013)

## **8.7 Abandoned Boats**

The project would remove the boat from the Bayou and dispose of the oils and other hazardous materials safely (Boat removal to begin in 2011.)

## **8.8 Enforcement**

The new officers will report to and be supervised by the Environmental Enforcement Division, to enhance environmental investigations in the County (permanent loan of two officers starting in 2011).

## **8.9 Urban Runoff**

### **Low Impact Development - Urban Runoff**

A pervious pavement project for Angleton's courthouse annex, with a green roof rain gardens developed and installed. (Landscape projects at a park in 2012-2013, projects at the Courthouse Annex in 2013-2014.)

### **Large-Scale Development Practices - Urban Runoff**

Stormwater Detention Ponds, wetland detention areas and swales developed and installed. (Stormwater detention ponds in 2013-2015, with wetlands and swale development in 2012-2014.)



**Table 6: Implementation Schedule Summary**

<b>10 Year Implementation Schedule</b>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<b>Education and Outreach</b>												
Informational/Promotional materials												
Public relations materials		X	X	X	X	X	X	X	X	X	X	X
Model HOA by-laws			X	X								
Signage and illegal dumping hotline			X	X								
Workshop and Classroom activities		X	X	X	X	X	X	X	X	X	X	X
Enviroscape kits			X									
Educational trail			X	X								
Trash Bash	X	X	X	X	X	X	X	X	X	X	X	X
Texas Stream Team	X	X	X	X	X	X	X	X	X	X	X	X
Texas Watershed Stewards	X											
<b>Cattle and Wildlife Management</b>												
Cattle Projects			X	X	X	X	X	X	X	X	X	X
Feral Hogs		X	X	X	X	X	X	X	X	X	X	X
<b>Wastewater Treatment Plants</b>												
Land acquisition			X	X	X	X	X	X	X	X	X	X
Design of plant			X									
<b>OSSFs</b>												
System enforcement and repair		X	X	X	X	X	X	X	X	X	X	X
<b>Illegal Dumping / Trash</b>												
Address illegal dumpsites			X	X	X	X	X	X	X	X	X	X
<b>Low Impact Development</b>												
Demonstration Green Infrastructure				X	X							
Courthouse Annex projects (pervious pavement, green roof, rain garden)					X	X						
<b>Large-Scale Development Projects</b>												
Stormwater Detention Ponds					X	X	X					
Wetland Detention areas/swales				X	X	X						
<b>Construction Site Runoff</b>												
No specific measures	n/a											
<b>Pet Waste Management</b>												
Print and distribute materials			X	X	X	X	X	X	X	X	X	X
Signage for parks			X									
Pet Waste Stations			X									
<b>Land Acquisition</b>												
Appraisal of Property			X	X	X							
<b>Abandoned Boats</b>												
Boat Removal			X									
<b>Enforcement</b>												
Loan of Two officers to enforcement			X	X								

## 9 Interim Milestones Element G

The ultimate goal of implementing the management measures is improvement of water quality and protection from future deterioration in the Bastrop Bayou Watershed. In order to ensure that goal is being served by the selected measures this Plan prescribes, results must be measured at pre-determined intervals. Throughout the implementation process, varying obtainable milestones will trigger periodic measurement of success. The following interim milestones, grouped by category of management measures, will indicate the advancement and success of this Plan. Each numbered subcategory represents a class of milestones, and each Roman numeral under the class represents a discrete milestone.

### 9.1 Education & Outreach

#### Informational Materials

1. Model Homeowner Association (HOA) by-laws
  - i. Develop model by-laws (2011)<sup>2</sup>
  - ii. Develop promotion, education and campaign materials for residents (2011)
  - iii. Obtain funding to reimburse Texas fees for alteration of by-laws (2012)
  - iv. Obtain approval from the HOA board (2012)
  - v. Hold election to approve changes (2012)
  
2. Signage and an illegal dumping hotline number
  - i. Determine location of signage (2012)
  - ii. Determine if a particular sign would need to comply with DOT requirements (2012)
  - iii. Design signage (2012)
  - iv. Develop procedures with enforcement division for follow up of complaints (2012)
  - v. Develop narrative for hotline operators (2012)
  - vi. Print signage (2012)
  - vii. Obtain hotline number and sign contract for answering service (2012)
  - viii. Develop procedures for disposal of illegally dumped materials (2012)
  - ix. Install signage (2012)

#### Workshop and Classroom Activities

3. Project WET and WILD
  - i. Obtain permission from the Teachers (2010)
  - ii. Obtain permission from the curriculum coordinator (2010)
  - iii. Obtain permission from the principal (2010)
  - iv. Obtain permission from the School Board (2010)

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<sup>2</sup> Dates in parenthesis indicate expected year the milestone will be completed.

- v. Obtain materials from the project WET and WILD foundations (2011)
  - vi. Develop a curriculum (2011)
  - vii. Schedule instruction for Teachers (2012 – throughout project)
  - viii. Hire substitute for classrooms while the Teachers are being trained (2012 – throughout project)
4. Texas Stream Team kits
    - i. Obtain permission from the Teachers (2009)
    - ii. Obtain permission from the curriculum coordinator (2009)
    - iii. Obtain permission from the principal (2009)
    - iv. Obtain permission from the School Board (2009)
    - v. Obtain and distribute kits (2010 – throughout project)
  5. Enviroscape kits
    - i. Obtain permission from Commissioners court for use and display (2011)
    - ii. Develop instructional narrative (2011)
    - iii. Obtain kits (2011)
  6. Educational trail
    - i. Obtain permission from USFW (2011)
    - ii. Develop and design educational signage (2011)
    - iii. Printing of Signage (2012)
    - iv. Install signage (2012)

### **Participation Opportunities**

7. Trash Bash
  - i. Select site coordinator (2009)
  - ii. Select site (2009)
  - iii. Assemble a team of volunteers (2009 – throughout project)
  - iv. Obtain permission from TCF/Trash Bash Board (2009)
  - v. Obtain permission from local Commissioners court (2009)
  - vi. Develop outreach campaign for the event (2009)
8. Texas Stream Team
  - i. Obtain kits (2009)
  - ii. Recruit volunteers (2009 – throughout project)
  - iii. Determine sites for monitoring (2009)
  - iv. Schedule all three phases of training (2009 – throughout project)
  - v. Certify volunteers (2009 – throughout project)

## **9.2 Cattle and Wildlife Management**

9. Cattle Projects
  - i. Obtain permission from TSSWCB and USDA offices (2011)
  - ii. Recruit volunteers (2011 – throughout project)
  - iii. Determine sites (2011 – throughout project)

- iv. Develop conservation plan (2011)
  - v. Adopt conservation plan (2011)
  - vi. Prepare legal and deed documents (2012 – throughout project)
  - vii. Construct BMPs (2012 – throughout project)
10. Feral Hogs
- i. Obtain agreement from Texas AgriLife (2011)
  - ii. Schedule site locations (2011)
  - iii. Hold training events (2011)

### **9.3 Wastewater Treatment Plants**

11. Demi-John
- i. Develop plant designs (2011)
  - ii. Obtain federal, and state approval of the plans (2011)
  - iii. Install connections to the plant (2012)
  - iv. Construct plant (2012)

### **9.4 OSSFs**

12. Promote low income assistance
- i. Determine eligibility criteria (2011)
  - ii. Obtain local permission (2011)
  - iii. Obtain agreements with homeowners for maintenance of the systems (2011)
  - iv. Obtain local and state permits for the systems (2012)
  - v. Select contactors and install or repair systems (2012 – throughout project)

### **9.5 Illegal Dumping**

13. Address illegal dump sites
- i. Obtain agreement from Brazoria County (2011)
  - ii. Locate chronic dumping sites (2012)
  - iii. Routinely, or as needed, clean dump sites (2012)

### **9.6 Urban Runoff**

#### **Low Impact Development**

13. Landscape gardens at a Park within the Watershed
- i. Obtain agreement with land owners (2012)
  - ii. Design project (2012)
  - iii. Obtain federal state and local permits for the project (2012)
  - iv. Commence construction (2013)
14. For the Courthouse Annex, pervious pavement, a green roof projects, and a rain garden

- i. Obtain agreement with land owners (2013)
- ii. Design project (2013)
- iii. Obtain federal, state and local permits for the project (2013)
- iv. Begin construction (2014)

#### **Large-Scale Development Practices - Urban Runoff**

##### **15. Stormwater Detention Ponds**

- i. Obtain agreement with land owners (2013-2014)
- ii. Design project (2013-2014)
- iii. Obtain federal, state and local permits for the project (2013-2014)
- iv. Begin construction (2014-2015)

##### **16. Wetland Detention areas, and swales**

- i. Obtain agreement with land owners (2012-2013)
- ii. Design project (2012-2013)
- iii. Obtain federal, state and local permits for the project (2012-2013)
- iv. Begin construction (2013-2014)

### **9.7 Pet Waste Management**

#### **17. Homeowner Association (HOA)**

- i. Develop model by-laws (2011)
- ii. Develop promotion, education and campaign materials for residents (2011 – throughout project)
- iii. Obtain funding to reimburse Texas fees for alteration of by-laws (2011 – throughout project)
- iv. Obtain approval from the HOA board (2011 – throughout project)
- v. Hold election to approve changes (2011 – throughout project)

#### **18. City Parks or other Public Areas (three)**

- i. Obtain permission from local governments (2011)
- ii. Finalize disposal options for the wastes (2011)
- iii. Design signage (2011)
- iv. Obtain materials (2011)
- v. Install signage and stations (2011)

### **9.8 Land Acquisition**

- 19. Recruit land owners (2011-2013)
- 20. Appraise Property (2011-2013)
- 21. Property Acquired by Partners (2011-2013)

### **9.9 Abandoned Boats**

- 22. Obtain permission from the Coast Guard (2011)
- 23. Determine disposal options (2011)
- 24. Select Contractor (2011)
- 25. Removal of Boat and Materials (2011)

## **9.10 Enforcement**

- 26. Environmental Unit Expansion
  - i. Obtain agreement with Sheriff's department, and County Judge (2011)
  - ii. Officers trained

These milestones represent graduated measures of implementation, and are designed to aid in the adaptive management process inherent in the WPP model. By determining the individual progress of a given management measure, as well as the sum progress of the Plan's implementation, changes can be made as necessary to better meet the stated goals.

## 10 Load Reduction Criteria Element H

Bastrop Bayou is not yet listed on the state's 303(d) list of impaired waterways. Therefore, the goal of the project is to keep the Bayou and its tributaries from being placed on the list.

Because the water bodies of the Bayou are not yet listed as impaired, the primary focus of measuring success for this WPP, in terms of reduction criteria, will be continuing to meet the water quality standard. The growth and development in the watershed will be counteracted by the BMPs recommended, as feasible, such that the ideal situation would be a steady state concentration or improvement. Therefore, the primary criteria for this WPP is anti-degradation based, rather than meeting reductions to the standard. The criteria at any point during this WPPs implementation will remain the contact recreation standard. If the standard changes, the adaptive management process will necessitate updating the Plan accordingly.

Additionally, the WPP, and any applicable impact on load reduction criteria, should be revised when the change analysis from the land/use land cover study are completed in late 2011. The original study was completed in 2002, while a new study was completed in 2009. At the time of the modeling the new land use study was not available, though it has subsequently become available. Of specific importance are the changes that have occurred over the last 6 years in the Bayou. As implementation begins, the SELECT modeling may require an update to reflect the changes in land use.

However, given current assumptions, the existing contact recreation standard of 126 MPN/100ml geomean will continue to be used as a load "reduction" criteria for the progress of the WPP. H-GAC and the Clean Rivers Program will conduct a comprehensive data analysis of the Bayou in 2011 for the basin summary report. The Bayou will also be reviewed of any changes in the Basin Highlights Report on an annual basis. If the trend lines continue on the present trajectory in the 2011 report then this WPP should be revised to update proposed strategies and projects to reduce the bacteria load into the Bayou.

In the following section, the plan for ambient and specific BMP monitoring is outlined. Data from those monitoring activities will be the key component in determining the efficacy of the plan and the overall quality of Bastrop Bayou and its tributaries. As stated, the goal of the plan is to prevent *E. coli* levels from breaching the contact recreation standard throughout all of the waterbodies. If data reveals that bacteria levels continue to increase despite implemented activities from this plan, additional strategies will need to be put in place. BMPs will be monitored in specific locations throughout the watershed. Because monitoring will be done on such a small scale, it will be easy to determine if water quality is improving or degrading at the exact location of the BMP. If

bacteria levels are unaffected by the BMPs, it will be likely be necessary to increase the stringency of the BMPs or increase them in number.



## 11 Effectiveness Monitoring Element I

Due to the dynamic nature of watersheds and the countless variables they entail, some uncertainty is to be expected when a WPP is developed and implemented. As the recommended restoration measures of the Plan are put into action, it will be necessary to track the water quality response over time and make any needed adjustments to the implementation strategy. Currently H-GAC has established a network of nine monitoring stations within the Bastrop Bayou Watershed. The monitoring stations are intended to establish baseline ambient water quality conditions, and are a part of the Clean Rivers Program regional monitoring network. H-GAC selected the station locations based on geographic distribution, availability of safe and continued access, and land use patterns. Five stations are located along the main stem of Bastrop Bayou and four along the major tributaries (Flores, Austin and Brushy bayous). Additionally there is a historical TCEQ monitoring station located at the bottom reach of the Bayou near Demi-John. In all there are ten monitoring stations in the Watershed. Sampling locations are summarized below and displayed previously on Figure 2.

The monitoring plan in Section 11 outlines the monitoring to be done to establish the effectiveness of the BMPs. The ambient monitoring is conducted under an approved TCEQ QAPP, and the resultant data is used in the assessment. The ambient monitoring will continue beyond the current project allowing for continued assessment. Brazoria County has also expressed interest in expanding the sites. The Watershed is now home to eight Texas Stream Team volunteers who collect data under an approved TCEQ QAPP. The ambient and volunteer data will provide the background to assess the effectiveness of the WPP to keep the Bayou from the 303(d) list.

### Transitions in the Watershed

The Watershed is in transition from a rural to suburban/urban watershed. As newer land use data is acquired, the sites will be reexamined for relevancy annually through the Coordinated Monitoring Program. Of particular interest will be the new development, which is taking place near the Highway 288 corridor. The corridor is in the Watershed but not adjacent to the waterways. Many other housing and retail developments are expected, but have not yet begun construction. Several developers have purchased land in the Watershed, but have not begun to build on the sites. Given the current economic slowdown, predicting construction starts is not possible. Census bureau forecasts can be valuable estimates, and the land cover data can provide concrete changes that have already occurred. Both will be used in the analysis, with emphasis on current conditions.

### 11.1 Monitoring Design

#### Sample Design Rationale

The sample design is utilized to characterize water quality conditions in support of the 305(b) and 303(d) assessments and to identify significant long-term water quality trends. H-GAC coordinates closely with the TCEQ and other participants to ensure a comprehensive water monitoring strategy for the Clean Rivers Program within the Watershed. No data was collected using experimental procedures or for research purposes for which no standardized methodology exists.

CRP ambient monitoring, along with future BMP monitoring efforts, will allow for H-GAC or a successor agency to evaluate the changes in the water quality of Bastrop Bayou and its tributaries. Because ambient monitoring in the Watershed currently takes place as part of H-GAC's CRP program, there is already an ongoing program to analyze data and trends throughout the watershed. H-GAC will provide data from both the ambient water quality monitoring and future BMP monitoring programs to the TCEQ SWQMIS database at least quarterly. Data will be transferred using the TCEQ file structure, and H-GAC will provide a data summary. BMP monitoring sites will also receive TCEQ station numbers, so Station Location Requests will be submitted to TCEQ.

### **Site Selection Criteria**

The site monitoring began in 2004 and data from USGS sediment sampling and historical sites was utilized. Much of the historical data was collected in the late 1970's and mid 1980's thus was of limited use. Methodology used has significantly changed in the past twenty years. This data collection effort involves monitoring routine water quality, using procedures that are consistent with the TCEQ SWQM program, for the purpose of data entry into the statewide database maintained by the TCEQ. All monitoring activities have been developed in coordination with the CRP Steering Committee and with the TCEQ. Sites monitored in the development of this WPP are described below. Sites for future monitoring activities (BMP effectiveness monitoring, etc.) will be selected based on the data objectives of those sampling efforts.

### **Site Description**

#### *Bastrop Bayou – Upper Reach*

Two sampling stations are located along upper Bastrop Bayou, 18502 and 18503. Station 18502 is the upper most station in the monitoring network and located just north of the City of Lake Jackson. Water samples represent water quality within the headwaters of Bastrop Bayou and storm water runoff from wooded areas along the upper portion of the riparian corridor. Station 18503 is the second downstream location in the network and is located in a relatively undeveloped area of the Watershed.

#### *Bastrop Bayou – Middle Reach*

Two sampling stations (18504 and 18505) are located along the middle reach of Bastrop Bayou. Station 18504 is located near the onset of clustered residential development and canal subdivisions along the main stem of the Bayou. This location also marks a change in shoreline habitat from wooded riparian zones to coastal prairies, and agricultural uses (i.e., cattle grazing). Station 18505 is located in the middle reach of Bastrop Bayou, downstream of "dead end canal" subdivisions and at the inlet of a

major man-made drainage feature (Ditch D). This location is heavily influenced by residential development and cattle grazing. It also is the first station that is directly influenced by drainage from the Central portion of the Watershed. Water from Ditch “D” is directly derived from the headwaters of Brushy Bayou and fields located between station 18509 and 18505.

#### *Bastrop Bayou – Lower Reach*

Station 18507 is located along the lower reach of Bastrop Bayou. The station is the most downstream location in the ambient monitoring network and located at the confluence of Bastrop Bayou and Austin Bayou. The location captures water draining from over 90% of the Watershed and is located in a portion of the Watershed that is heavily influenced by coastal wetlands. It is located approximately 1.5 miles upstream from the Isle of Demi John and the village of Mims.

#### *Tributary – Brushy Bayou*

18509 is located at the crossing of Brushy Bayou and FM 523, less than one mile east of the City of Angleton. The station includes water from the western portion of the Watershed and is located immediately adjacent to a large reservoir. This location is heavily influenced by agricultural use - especially cattle grazing. It is also the location closest to the city of Angleton.

#### *Tributary – Flores Bayou*

Located at the crossing of Flores Bayou and FM 523, approximately two miles south of the Town of Danbury, this sampling station includes water from the central portion of the Watershed and is located immediately downstream from a series of reservoirs. Land cover in the area is dominated by coastal prairie and agricultural fields. Flores Bayou extends into the northern third of the Watershed.

#### *Tributary – Austin Bayou*

18506 is located at the crossing of Austin Bayou and FM 523, approximately two miles east of the Town of Danbury. The location includes water from the upper, undeveloped reaches of the Watershed. While the immediate riparian buffer near the station is wooded, nearby land cover is primarily open prairie and agricultural fields. 18048 is located just downstream of the confluence of Austin Bayou and Brushy Bayou, this sampling station includes water from the three major tributaries draining the northern and central sections of the Watershed. The station appears to be tidally influenced, occasionally mixing with the brackish water of Bastrop Bayou.

### **Sampling Frequency and Parameters**

The Environmental Institute of Houston (EIH) collects samples on a quarterly basis in accordance with the sampling procedures contained in CRP’s QAPP. Monitoring parameters include 12 laboratory parameters and 16 field observations. Laboratory parameters include, ammonia-nitrogen, chloride, bacteria (*Enterococcus*, based on water type), nitrate + nitrite-nitrogen, ortho-phosphate-phosphorus, sulfate, total dissolved solids, total organic carbon, total phosphorus, total suspended solids and volatile suspended solids. Field observations and measurements include, conductivity,

days since last significant rainfall, dissolved oxygen, flow, pH, present weather, salinity, sampling depth, Secchi depth, temperature, total water depth, turbidity, water color, water odor, water surface, and wind intensity.

EIH conducts all field observations and measurements. Eastex Environmental Laboratories, Inc. is a NELAC accredited laboratory and performs the laboratory analyses. Specific field techniques, laboratory methods, and other specifications are included in the TCEQ approved CRP-QAPP. The collecting agency and analytical laboratory can change according when the work is sent for bidding by H-GAC. The QAPP must be approved by TCEQ for anyone to conduct the sampling and analysis.

### **2008 Assessment**

For the 2008 Assessment Bastrop Bayou was not on the 303(d) List of Impaired Waters. Specifically there is adequate data to analyze support of contact recreation with enterococcus, and the indication is currently "Fully Supporting." There is limited data for the assessment of aquatic life use with 24H dissolved oxygen, but the indication is currently "No Concern." There is adequate data for the assessment of aquatic life use with grab dissolved oxygen, and the indication is currently "Fully Supporting" and "No Concern" for the DO grab minimum and the DO grab screening level respectively.

### **2010 Assessment**

The assessment for Bastrop Bayou did not change in 2010. There are still no impairments listed for Bastrop Bayou itself. In 2010, however, three impairments were listed for two of its tributaries. Flores Bayou and Brushy Bayou have both been listed for bacteria impairments. Brushy Bayou has also been listed for depressed dissolved oxygen.

Now that two tributaries to Bastrop Bayou have been listed with impairments, increased focus of BMP implementation should be placed on these segments. When the plan was first started, there were no impairments listed on any of the waterbodies in the Watershed. The impairments show a degradation of water quality, which need to be addressed accordingly.

## **11.2 Monitoring Implementation**

### **BMP & Targeted Water Quality Monitoring**

BMP effectiveness monitoring with this project is designed to acquire comparable data representative of bacterial loading during storm events from each type of BMP implemented. There will be three types of BMPs implemented and, weather permitting, there will be three monitoring events conducted at each type.

The behavior modification from the BMPs is broad and can only be reflected in the ambient monitoring. The best management projects being implemented can be classified into five broad categories: Public education, increased enforcement, OSSF

repairs, wastewater infrastructure, and land management. Three types of BMPs will be monitored during the course of this project<sup>3</sup>.

Upon completion and adoption of this WPP, the conceptual plan is that a set of BMPs will be monitored to help determine whether the steps taken in this plan will promote watershed stewardship and improve water quality enough to eventually remove the recently listed segments from the TCEQ's 303d list of impaired waterbodies. While not all BMPs recommended in the plan will be monitored, a small sample can provide a glimpse at whether any of the strategies can be effective at reducing bacteria levels and improving the overall quality of the water in Bastrop Bayou and its tributaries. This monitoring effort will include pre- and post-implementation stages to compare effectiveness on a local basis.

**BMP #1: OSSF Conversion to WWTP:** A group of homes will be removed from its connections to OSSFs and will be replaced with a newly constructed WWTP..

- Demi John is pursuing the installation of a WWTP in lieu of individual septic systems. The community is located in a tidal portion of Bastrop Bayou adjacent to a monitoring station. Station 11475 has been monitored by the TCEQ's region office since the early 1980's. If the community is able to finance the WWTP, then the existing locations will be used for the effectiveness monitoring.

- Monitoring: Pre-implementation monitoring will include three monitoring events at a representative location in a canal in the Demi John community before the WWTP is brought online. Post-implementation monitoring will also include three monitoring events at the same location. Post-implementation will occur after the WWTP is in operation and has begun to provide service to a majority of the homes in the Demi John community. Sampling events during both pre- and post-implementation phases will not be biased for wet or dry weather events; however, because the sampling location will be tidally influenced, sampling events should be scheduled to take place at a consistent tidal level based on the location of the sample site<sup>4</sup>.

**BMP #2: Land Management Improvement (option #1):** A rancher will provide an alternate water source and shade for his livestock but will not prevent their access to the waterway with fencing.

- Monitoring: Pre-implementation monitoring will include three wet weather monitoring events at a representative location upstream and downstream of the area of bayou that livestock have been utilizing. Samples will be collected before the alternate water source and shade is provided, and will be taken according to CRP sampling guidelines. Post-implementation monitoring will also include three wet weather monitoring events at the same location. Post-implementation

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<sup>3</sup> The costs of the BMP monitoring programs are referenced in Section 6.

<sup>4</sup> All BMP monitoring will be done according to CRP sampling guidelines and will be done under a TCEQ/EPA approved QAPP.

monitoring will take place at least one month and at least one rainfall event after the BMP has been implemented.

**BMP #3: Land Management Improvement (option #2):** An alternate water source is provided and fencing is installed to prevent livestock access to the waterway.

-Monitoring: Pre-implementation monitoring will include three wet weather monitoring events at a representative location upstream and downstream of the area of bayou that livestock have been utilizing. Samples will be collected before the fence is constructed, and will be taken according to CRP sampling guidelines. Post-implementation monitoring will also include three wet weather monitoring events at the same location. Post-implementation monitoring will take place at least one month and at least one rainfall event after the BMP has been implemented.

There will be at least one and up to three example BMPs sampled for each type of BMP implemented. This short-term intensive monitoring effort will refine the focus of management efforts as well as track the performance of ongoing implementation activities during the study. If the project budget allows, urban storm flow monitoring and wastewater effluent sampling will be incorporated.

### **Evaluating BMP Effectiveness**

As BMP's are implemented, the sites will be surveyed and background conditions recorded. All monitoring conducted currently on Bastrop Bayou and its tributaries are done so as part of CRP's approved monitoring QAPP. Any future monitoring that will not be part of the CRP monitoring program, including BMP monitoring, will need its own TCEQ and EPA approved QAPP. Before and after BMP implementation, the site will be sampled to gauge the effectiveness of the BMP. Wet weather sampling along upstream and downstream sections of the BMPs will offer an accurate assessment of the effectiveness of the implemented BMPs. The ambient monitoring will continue in addition to the targeted monitoring and adjustments will be made accordingly. As efforts continue, the incorporation of new data will improve understanding of the Watershed and drive a more efficient implementation process. Adaptive management allows initial results to guide restoration strategies as stakeholders learn through experience. By tracking stream trends, stakeholders will evaluate whether plan execution is successful and determine the need for new action or refocusing of existing programs.

This adaptive approach relies on constant input of watershed information. If water quality does not meet targets at current monitoring stations (Figure 1), activities will be adjusted based on direction from the Stakeholder Group. Pollutant concentrations targets (as referenced in Section 10) will be based on an assumption of complete implementation of the Watershed Protection Plan and assume full accomplishment of

pollutant load reductions by the end of the planning period as outlined in Table 6. While some of the less complex management measures recommended will be relatively simple to implement early in the process, implementation of other measures will require more time, energy, and funding. For this reason, reductions in pollutant loads and associated concentrations initially may be gradual. However, it can be assumed that reductions in the loading of bacteria and nutrients will be tied to the implementation of management measures throughout the Watershed. Thus, these projected pollutant targets will serve as benchmarks of progress, indicating the need to adjust or maintain planned activities. While water quality conditions likely will change and may not precisely follow the projections indicated here, these estimates serve as a tool to facilitate stakeholder evaluation and decision-making based on adaptive management.

### **Stream Biological Assessment**

In addition to water quality analyses, biological and habitat assessments were completed in the Watershed in 2005. The bayous provide recreational activities to the residents and fishing appears to be the most popular activity cited during personal discussions. The survey of the fish and macroinvertebrate communities in the stream as well as the plant communities and physical characteristics of the environment adjacent to the stream serve as indicators of positive or negative response to changes in stream conditions. The survey determined no water quality trends results in measurable changes in the biological communities in the Watershed. The evaluation was conducted by EIH and USGS in 2005.

## **12 Conclusion**

The Bastrop Bayou WPP is a collaborative effort between a diverse set of stakeholders to address and alleviate water quality concerns on Bastrop Bayou. While the Bayou and its tributaries are not currently designated as being impaired, they are unlikely to remain off the 303d list in the near future without direct intervention. Future growth projections and current levels of bacteria and other contaminants promise that, left unaddressed, the issues of today will become the increasing contamination of tomorrow.

While developing this plan, the SELECT model was created to determine the bacteria contributors in the watershed. The largest current, and future, sources of impairment are septic systems, urban runoff, and livestock. The Plan seeks to bring the Watershed's stakeholders together in a coordinated effort to address these concerns that they share for their water bodies. While structural projects will help hold the line against current sources of contamination, the long term success of these efforts will be dependent on

changes in behavior and growth patterns. Prevention of contamination will be key to guaranteeing the future of the Bayou. It is always better to prevent a problem than remediate it.

Utilizing this comprehensive mix of structural and behavioral elements, the plan lays out a road map to achieving its stated goals. Stakeholders will be called upon to volunteer time and resources to implement some key features of the plan. One community is already moving forward with a plan to revitalize its aging wastewater infrastructure. Other landowners will be asked to voluntarily implement agricultural management practices that should greatly improve the water quality throughout the bayous. The plan calls for a monitoring program that will allow stakeholders to make a definitive evaluation of the change in water quality as the plan is implemented. With an eye toward cost-effectiveness and measurable/achievable results, the efficiency of the prescribed management measures will be reviewed at regular intervals and at key milestones. Additionally, stakeholder concerns that may not have a direct impact on bacteria levels but influence the Bayou will be addressed as appropriate. For example, a shrimp boat that has been submerged for more than 25 years will soon be removed from the bayou due to stakeholder actions.

Tying it all together is a core focus on education and outreach to the residents of the Watershed. Road signs will promote increased awareness and ownership of the community's resource. The stated goal of the plan is to keep the bacteria level of Bastrop Bayou and its tributaries below the contact recreation standard for *E. coli*, and the strategies identified here will provide the means to do so. However, the ultimate goal will be to engender conservatorship for water quality among the residents of Bastrop Bayou watershed, toward the end of establishing a perpetual community group to carry on the aims of the Plan.

You never see the same waterway twice. Perpetually flowing, the only constants the water can have is the land over which it flows and the attitudes of the people who reside within its borders. In the Bastrop Bayou Watershed, that land is in flux as it transitions from agricultural to urban and suburban development. In this changing atmosphere, it must be the attitude of its people that remains steadfast. We do not know what either the water or the years will carry with them as both flow past us. Therefore it must be our commitment to be constant in our vigilance for the effect our activities have on the land, the water, and ultimately, ourselves.



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# Appendices

# **Appendix A:**

## **Load and Land Use Characterization**

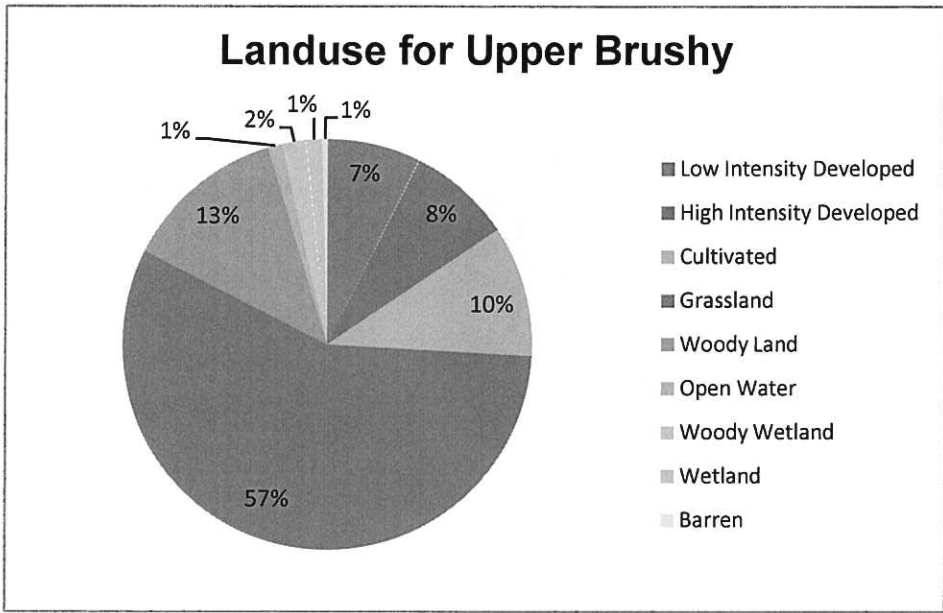


Figure A 1: Land use in Bastrop Bayou Subwatersheds – Upper Brushy

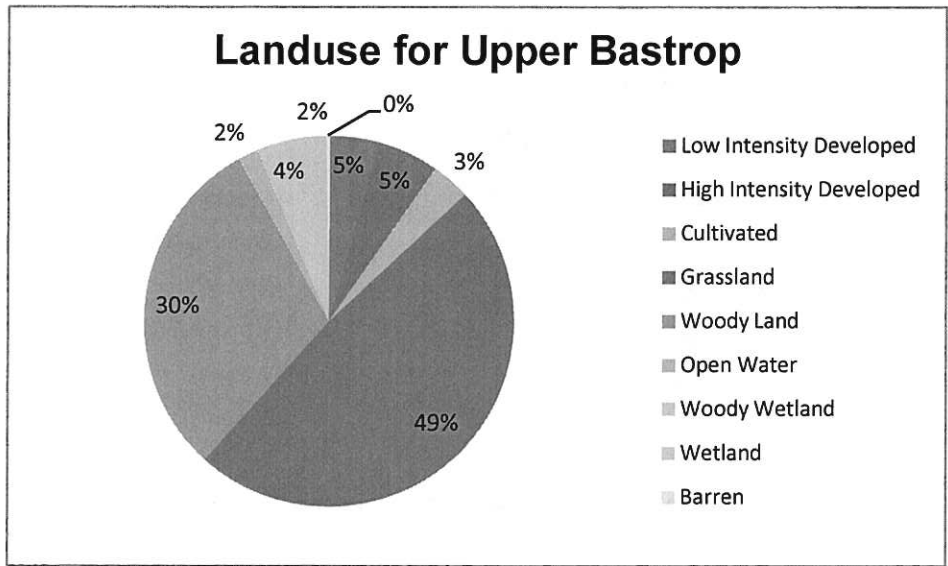


Figure A 2: Land Use in Bastrop Bayou Subwatersheds – Upper Bastrop

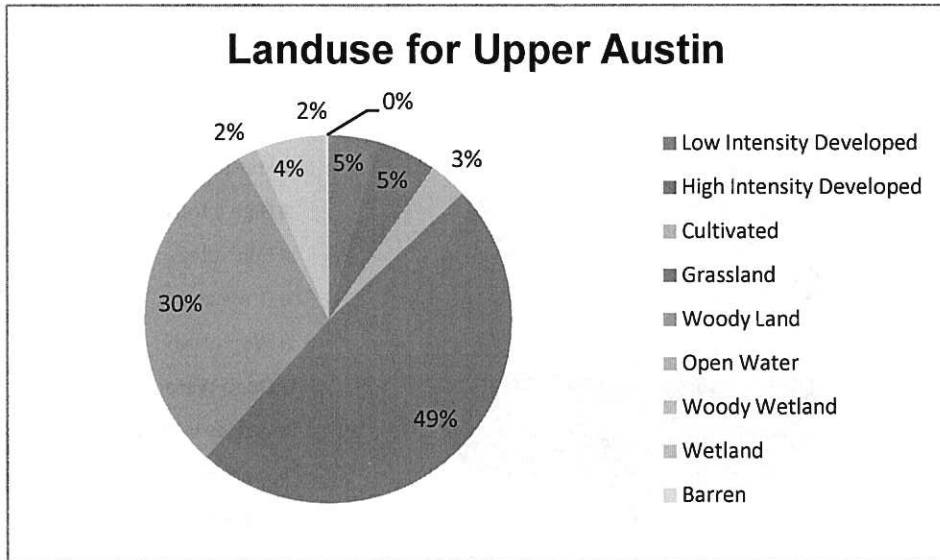


Figure A 3: Land use in Bastrop Bayou Subwatersheds – Upper Austin

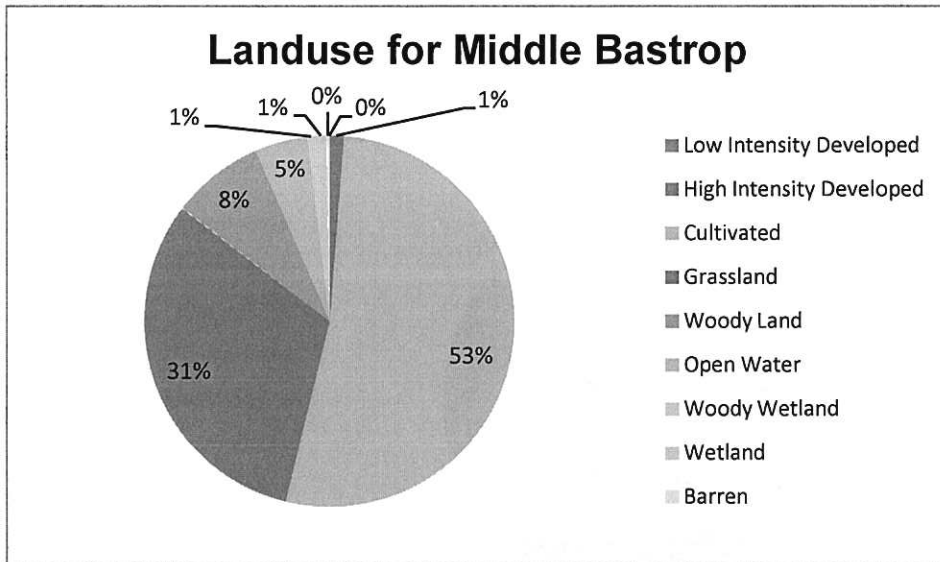
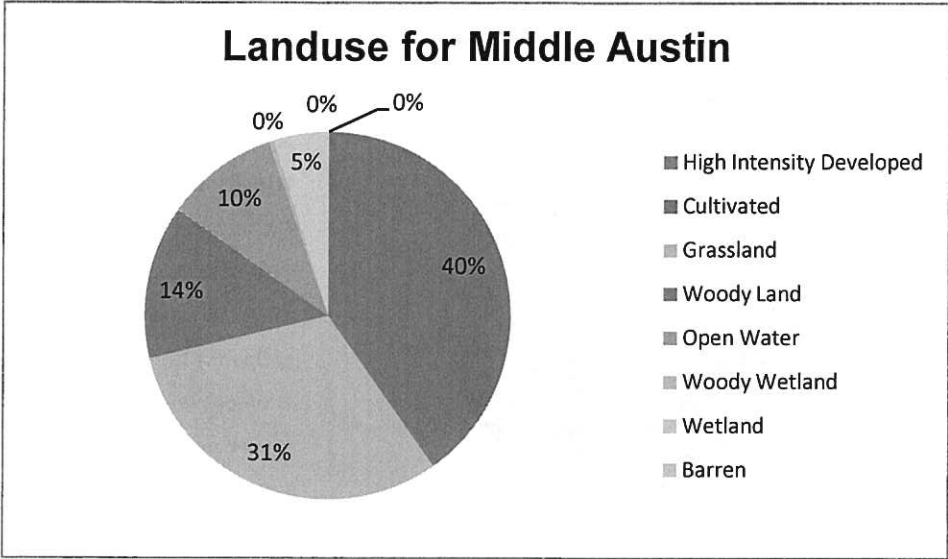
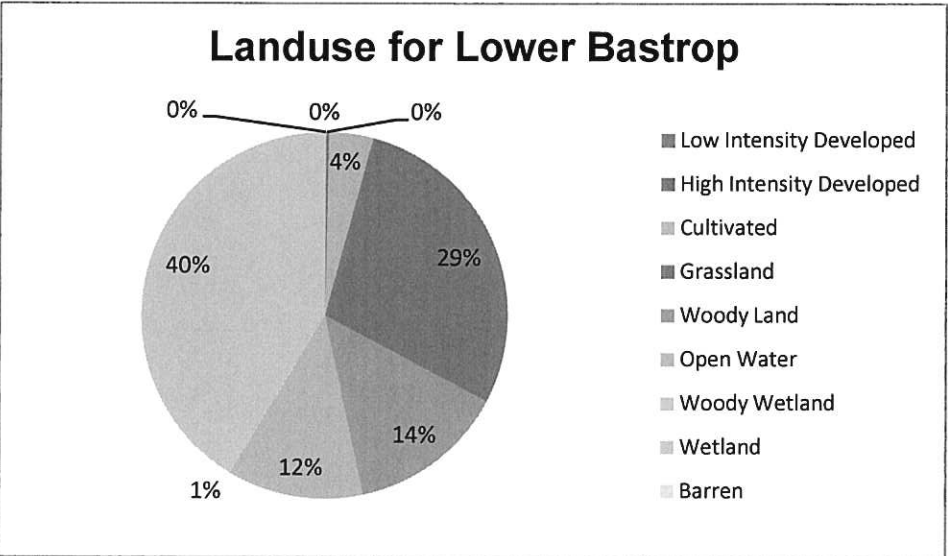


Figure A 4: Land Use in Bastrop Bayou Subwatersheds – Middle Bastrop

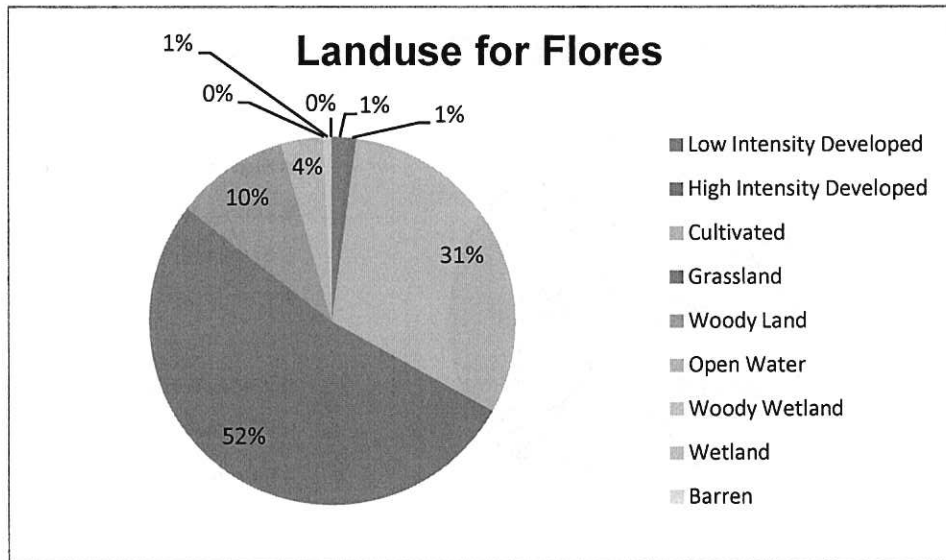




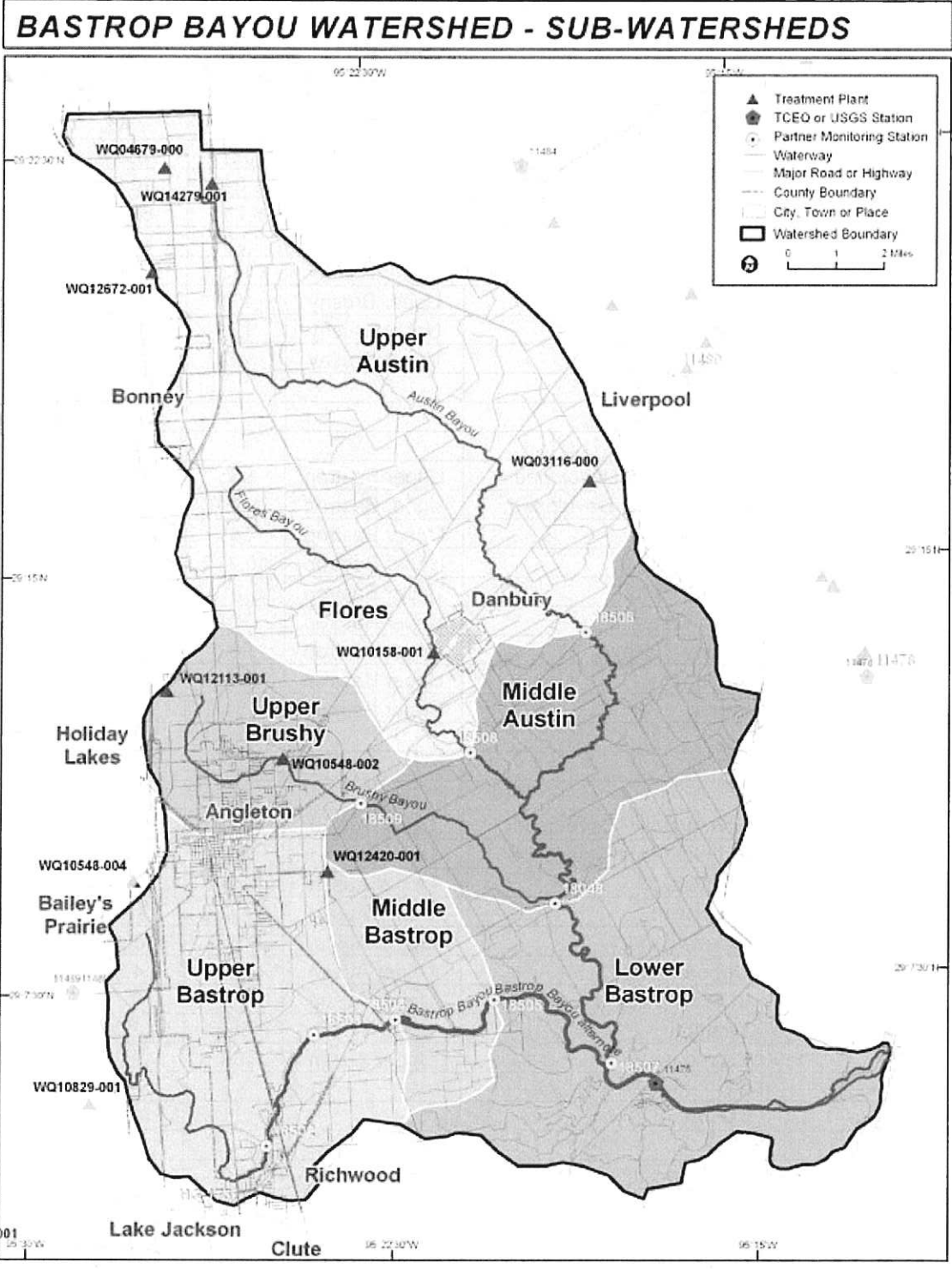
**Figure A 5: Land Use in Bastrop Bayou Subwatersheds – Middle Austin**



**Figure A 6: Land Use in Bastrop Bayou Subwatersheds – Lower Bastrop**



**Figure A 7: Land Use in Bastrop Bayou Subwatersheds - Flores**



**Figure A 8: Watershed, Subwatersheds, and Monitoring Locations**

Table A 1: Bastrop Bayou Land Use

Bastrop Bayou Land Use				
	LANDUSE	WATERSHED	ACRES	PERCENT
1	Low Intensity Developed	Upper Brushy	743	7.4%
2	High Intensity Developed	Upper Brushy	827	8.2%
3	Cultivated	Upper Brushy	1,042	10.3%
4	Grassland	Upper Brushy	5,713	56.6%
5	Woody Land	Upper Brushy	1,293	12.8%
6	Open Water	Upper Brushy	113	1.1%
7	Woody Wetland	Upper Brushy	191	1.9%
8	Wetland	Upper Brushy	126	1.3%
9	Barren	Upper Brushy	45	0.4%
	TOTAL			100.0%
1	Low Intensity Developed	Upper Bastrop	966	4.4%
2	High Intensity Developed	Upper Bastrop	1,180	5.3%
3	Cultivated	Upper Bastrop	741	3.3%
4	Grassland	Upper Bastrop	10,755	48.6%
5	Woody Land	Upper Bastrop	6,710	30.3%
6	Open Water	Upper Bastrop	387	1.7%
7	Woody Wetland	Upper Bastrop	902	4.1%
8	Wetland	Upper Bastrop	441	2.0%
9	Barren	Upper Bastrop	61	0.3%
	TOTAL			100.0%
1	Low Intensity Developed	Upper Austin	2	0.0%
2	High Intensity Developed	Upper Austin	448	1.2%
3	Cultivated	Upper Austin	19,088	52.6%
4	Grassland	Upper Austin	11,456	31.6%
5	Woody Land	Upper Austin	2,925	8.1%
6	Open Water	Upper Austin	1,672	4.6%
7	Woody Wetland	Upper Austin	245	0.7%
8	Wetland	Upper Austin	368	1.0%
9	Barren	Upper Austin	88	0.2%
	TOTAL			100.0%
1	Low Intensity Developed	Middle Bastrop	10	0.1%
2	High Intensity Developed	Middle Bastrop	37	0.5%
3	Cultivated	Middle Bastrop	1,363	18.7%
4	Grassland	Middle Bastrop	3,227	44.2%
5	Woody Land	Middle Bastrop	2,101	28.8%
6	Open Water	Middle Bastrop	196	2.7%
7	Woody Wetland	Middle Bastrop	13	0.2%

8	Wetland	Middle Bastrop	348	4.8%
9	Barren	Middle Bastrop	8	0.1%
	<b>TOTAL</b>			100.0%
2	High Intensity Developed	Middle Austin	15	0.1%
3	Cultivated	Middle Austin	8,132	40.1%
4	Grassland	Middle Austin	6,280	31.0%
5	Woody Land	Middle Austin	2,744	13.5%
6	Open Water	Middle Austin	2,010	9.9%
7	Woody Wetland	Middle Austin	95	0.5%
8	Wetland	Middle Austin	978	4.8%
9	Barren	Middle Austin	4	0.0%
	<b>TOTAL</b>			100.0%
1	Low Intensity Developed	Lower Bastrop	3	0.0%
2	High Intensity Developed	Lower Bastrop	69	0.2%
3	Cultivated	Lower Bastrop	1,076	3.9%
4	Grassland	Lower Bastrop	7,870	28.6%
5	Woody Land	Lower Bastrop	3,819	13.9%
6	Open Water	Lower Bastrop	3,315	12.0%
7	Woody Wetland	Lower Bastrop	270	1.0%
8	Wetland	Lower Bastrop	11,108	40.3%
9	Barren	Lower Bastrop	17	0.1%
	<b>TOTAL</b>			100.0%
1	Low Intensity Developed	Flores	231	1.5%
2	High Intensity Developed	Flores	106	0.7%
3	Cultivated	Flores	4,804	30.9%
4	Grassland	Flores	8,133	52.4%
5	Woody Land	Flores	1,562	10.1%
6	Open Water	Flores	583	3.8%
7	Woody Wetland	Flores	15	0.1%
8	Wetland	Flores	88	0.6%
9	Barren	Flores	9	0.1%
	<b>TOTAL</b>			100.0%

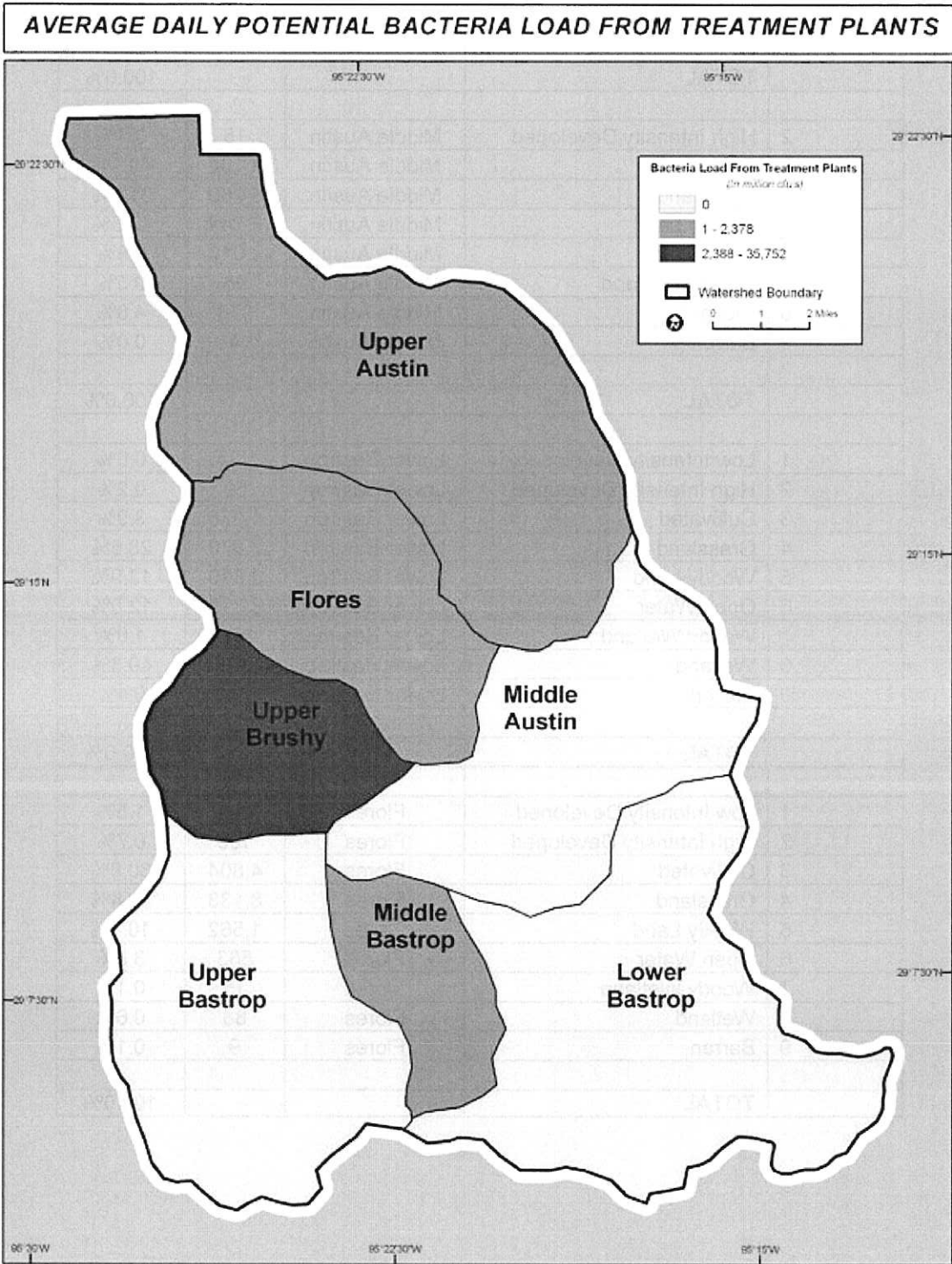


Figure A 9: Average Daily Potential Bacteria Load from WWTPs

### WWTP - Bacteria Loadings

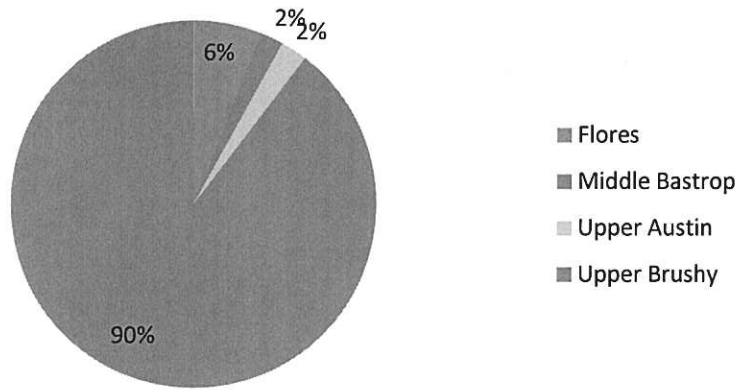


Figure A 10: WWTP Bacteria Loading by Subwatershed

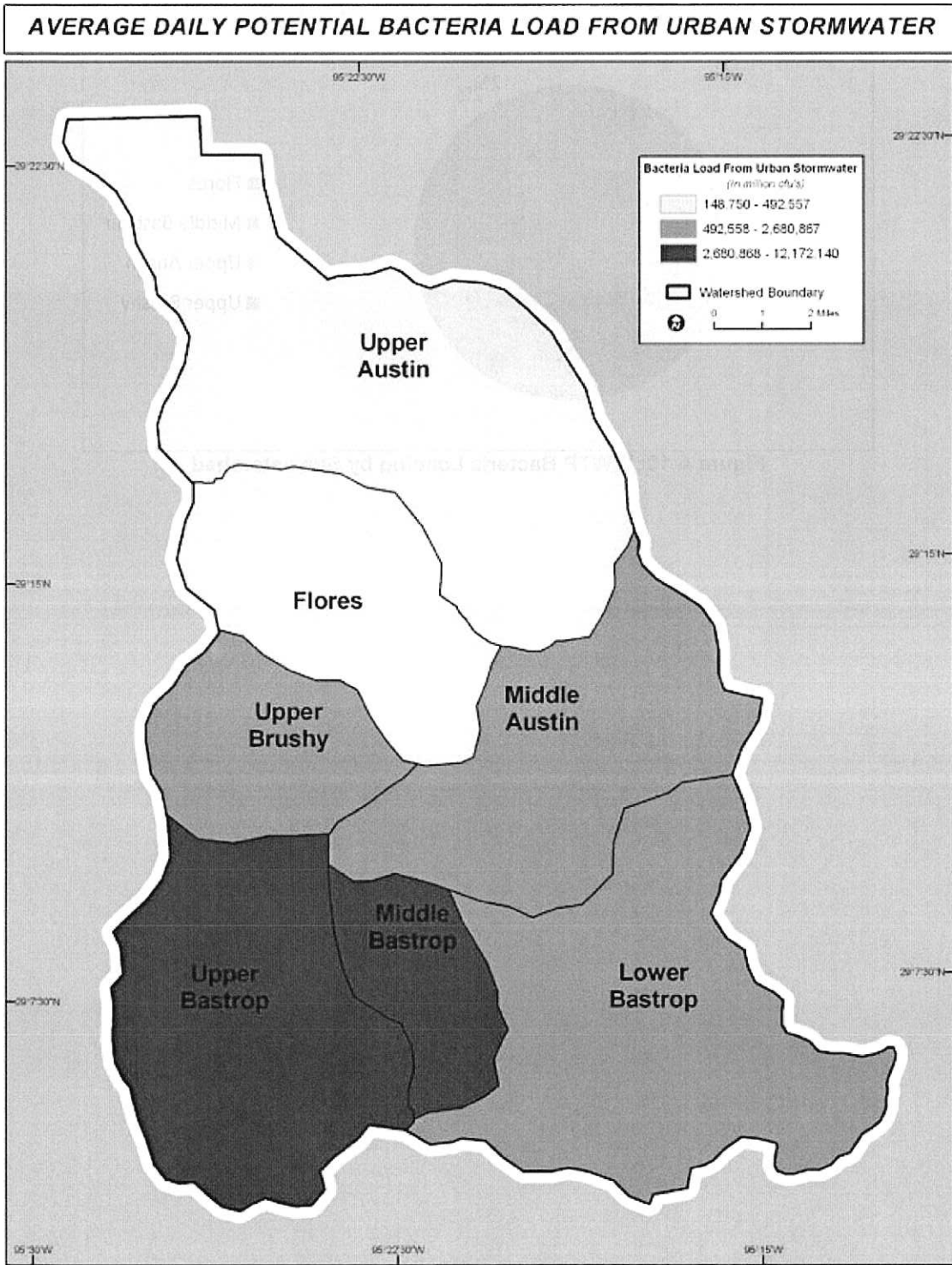


Figure A 11: Average Daily Potential Bacteria Load from Urban Stormwater



## Urban Runoff - Bacteria Loadings

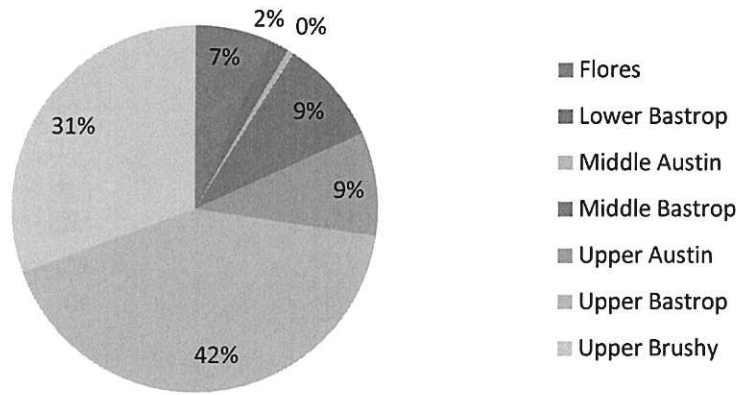
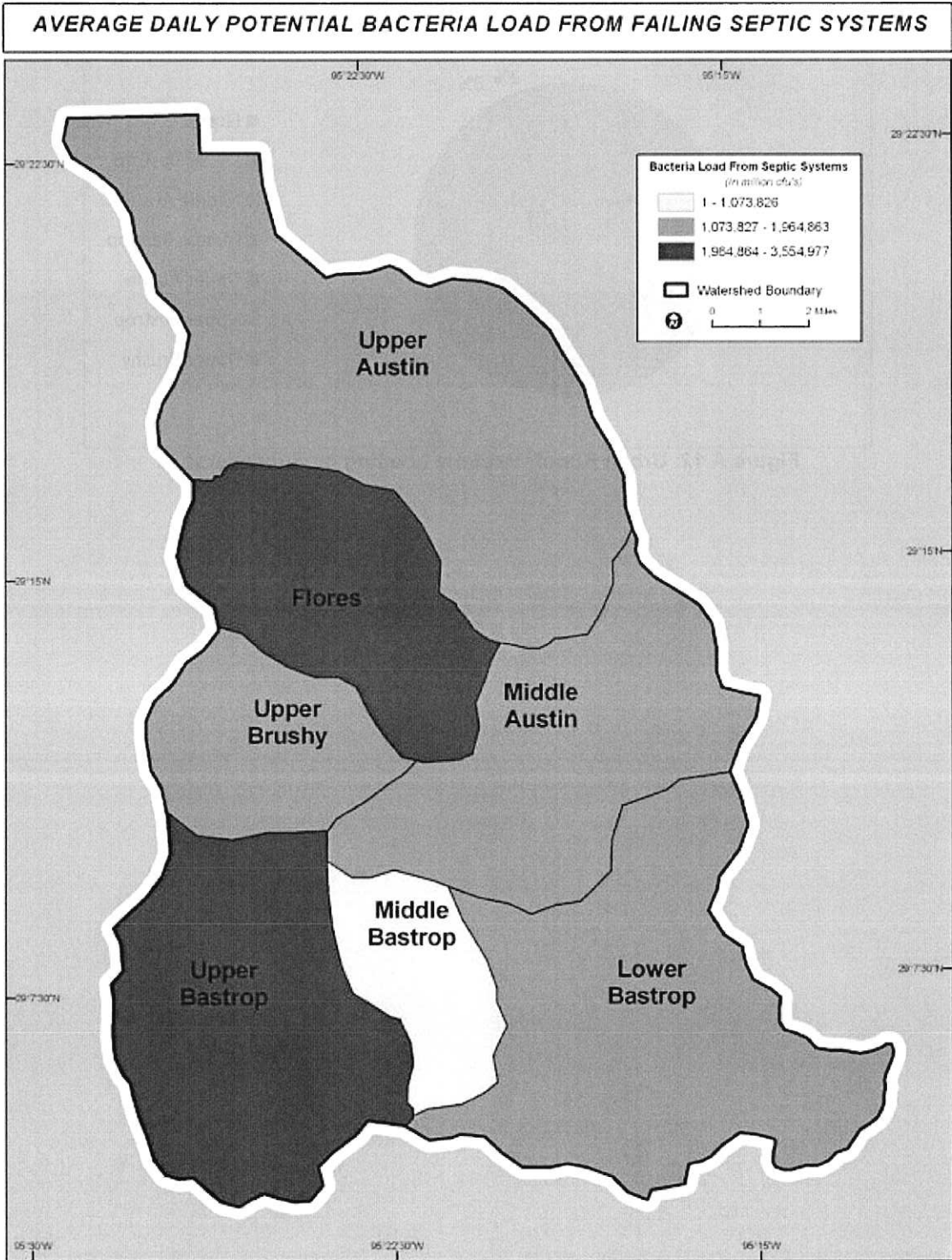


Figure A 12: Urban Runoff Bacteria Loading by Subwatershed



**Figure A 13: Average Daily Potential Bacteria Load from OSSFs**

### OSSF - Bacteria Loadings

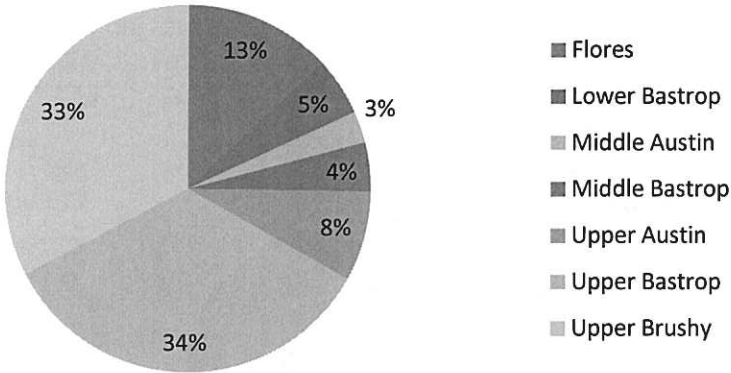


Figure A 14: OSSF Bacteria Loading by Subwatershed

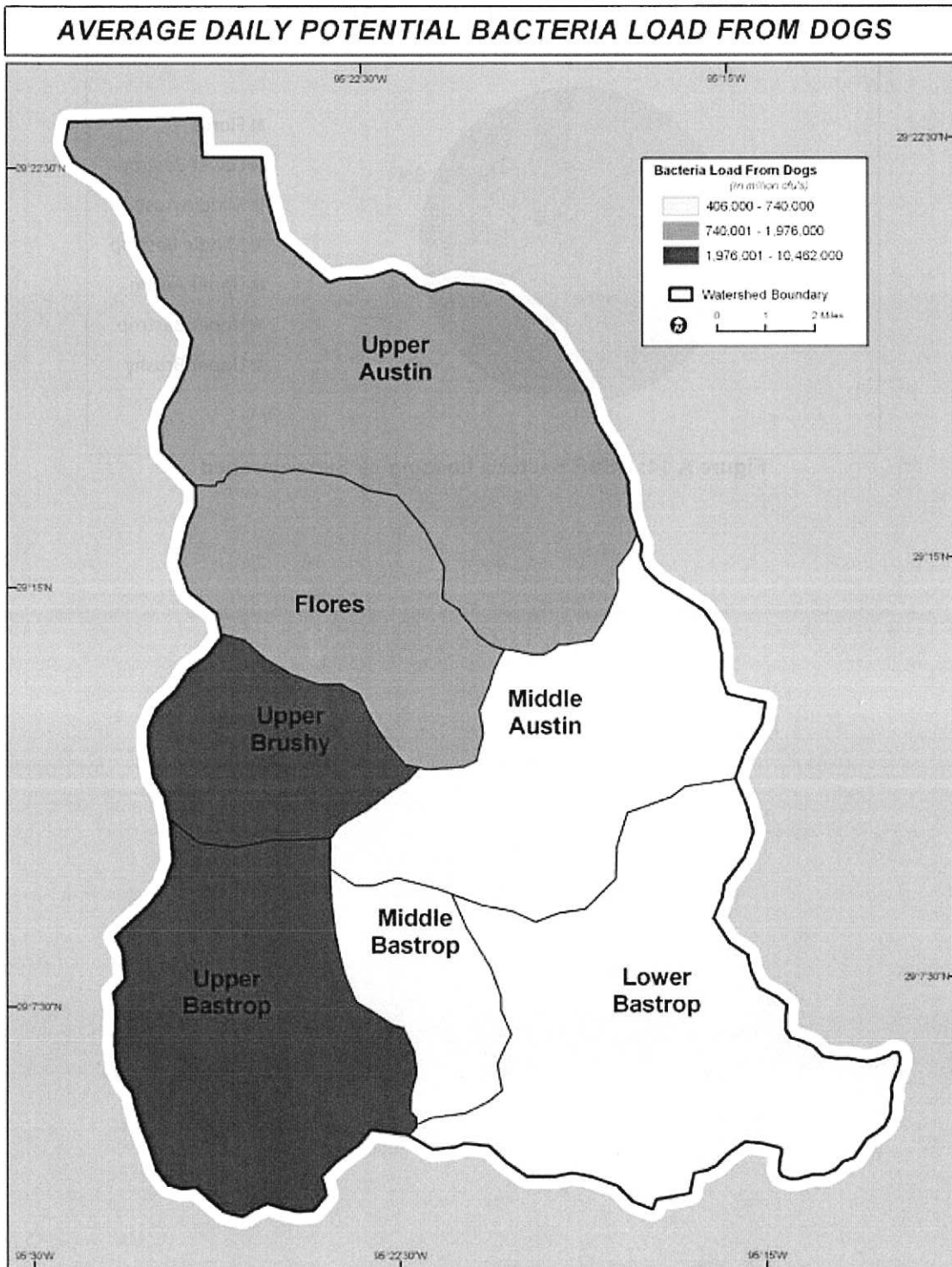


Figure A 15: Average Daily Potential Bacteria Load from Dogs

### Dogs - Bacteria Loadings

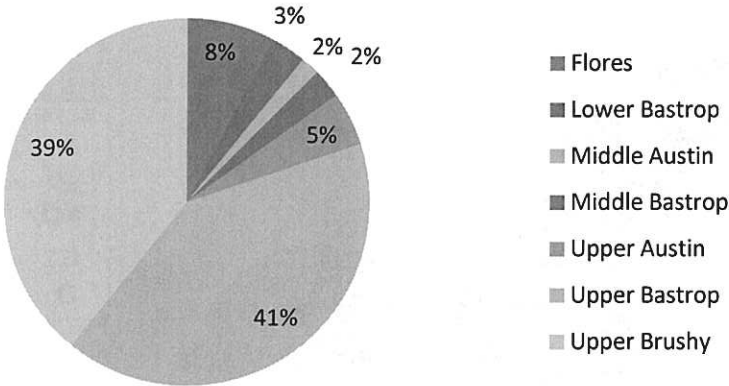


Figure A 16: Dogs – Bacteria Loading by Subwatershed

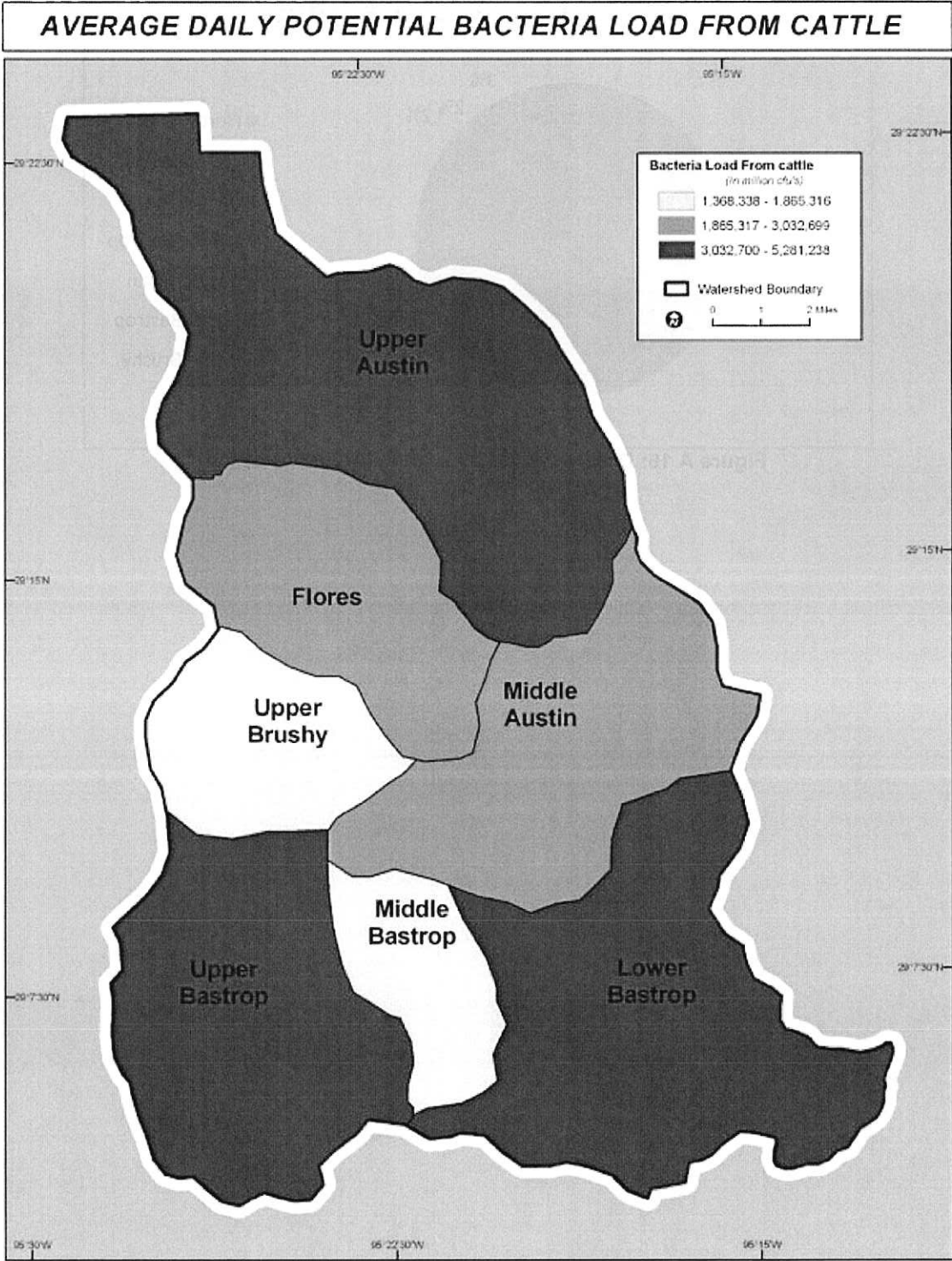


Figure A 17: Average Daily Potential Bacteria Load from Cattle

### Cattle - Bacteria Loadings

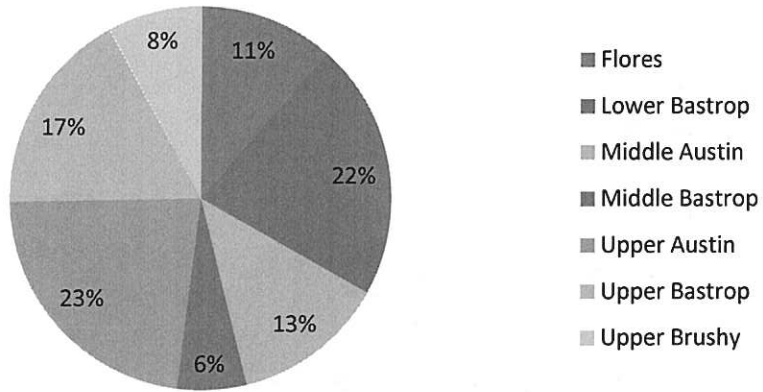


Figure A 18: Cattle – Bacteria Loading by Subwatershed

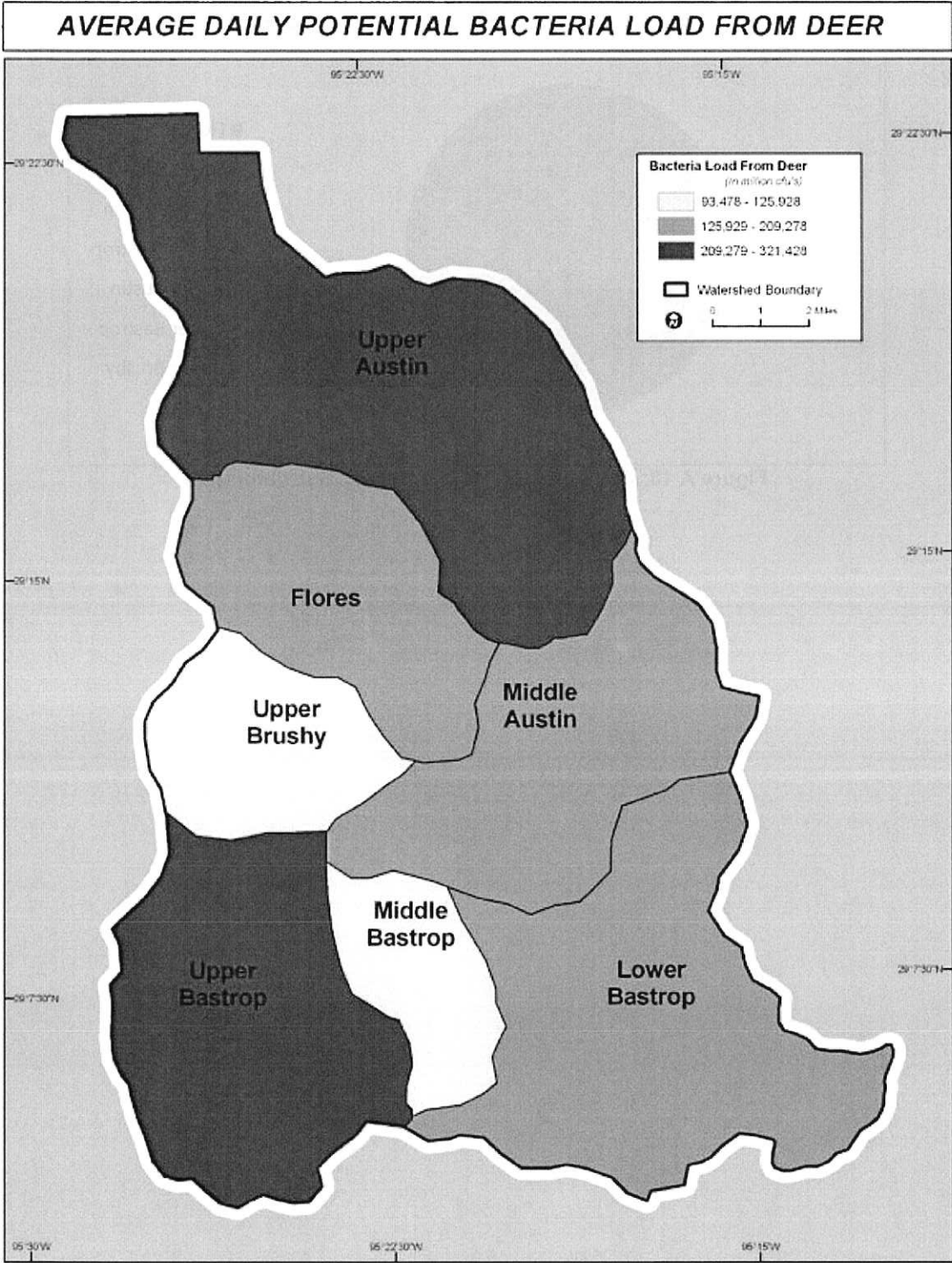


Figure A 19: Average Daily Potential Bacteria Load from Deer



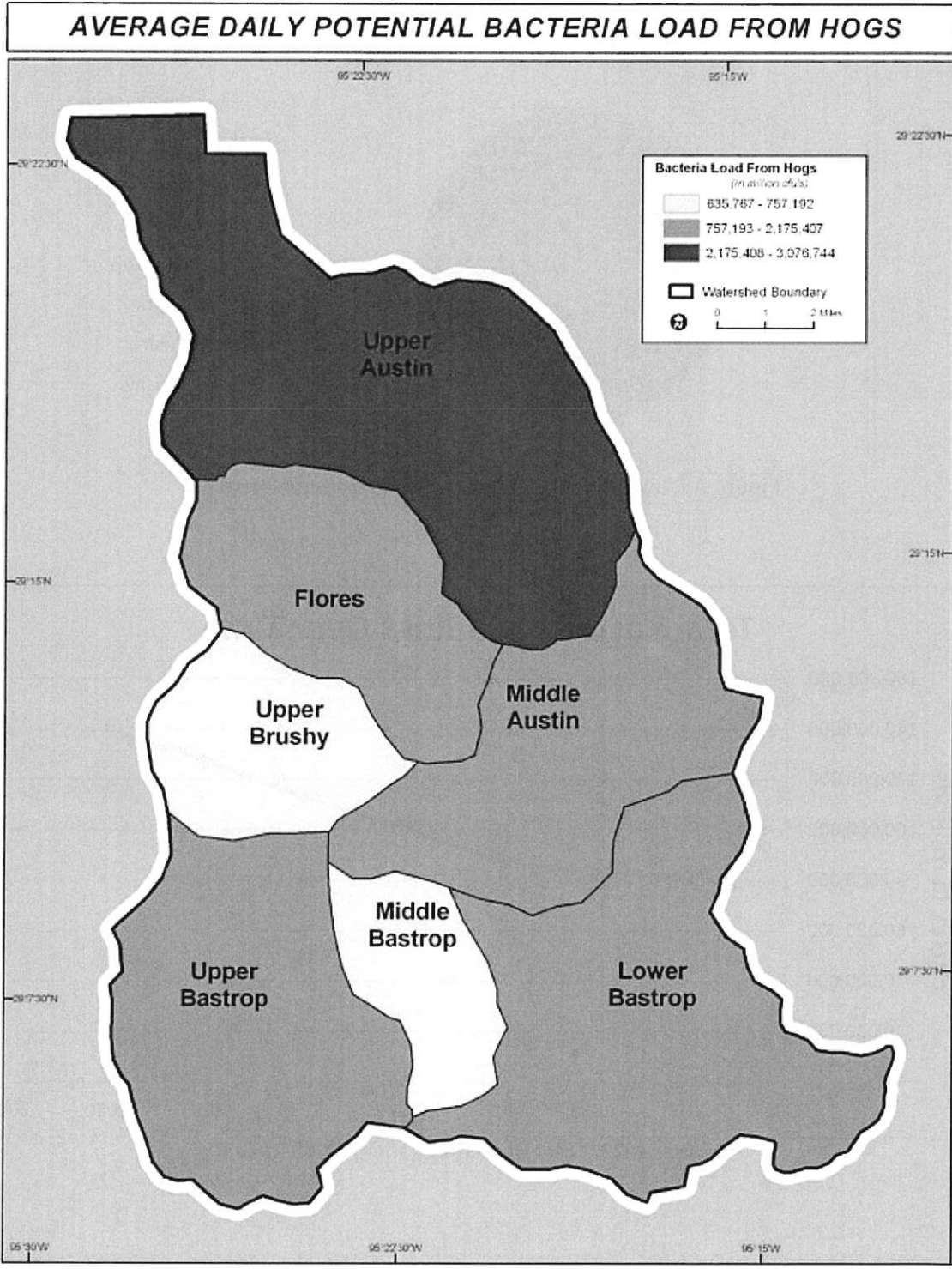


Figure A 20: Average Daily Potential Bacteria Load from Hogs

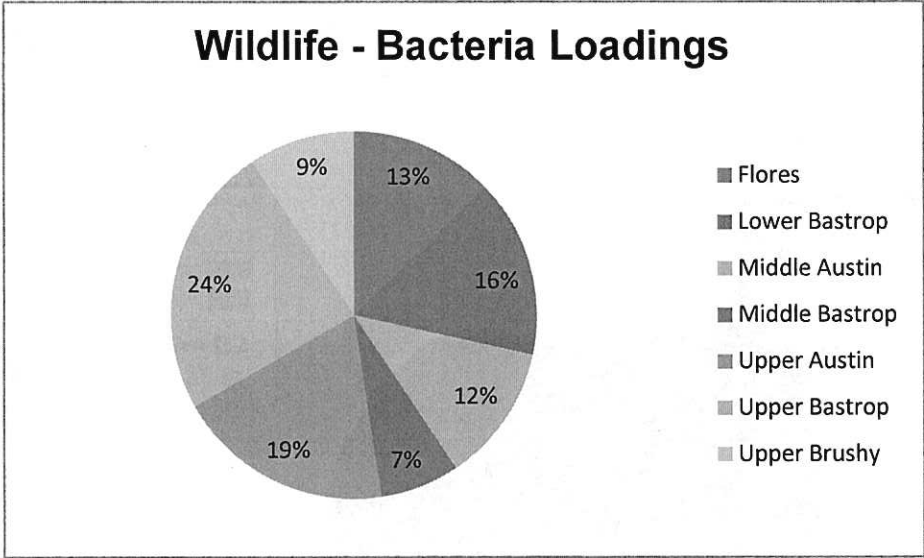


Figure A 21: Wildlife – Bacteria Loading by Subwatershed

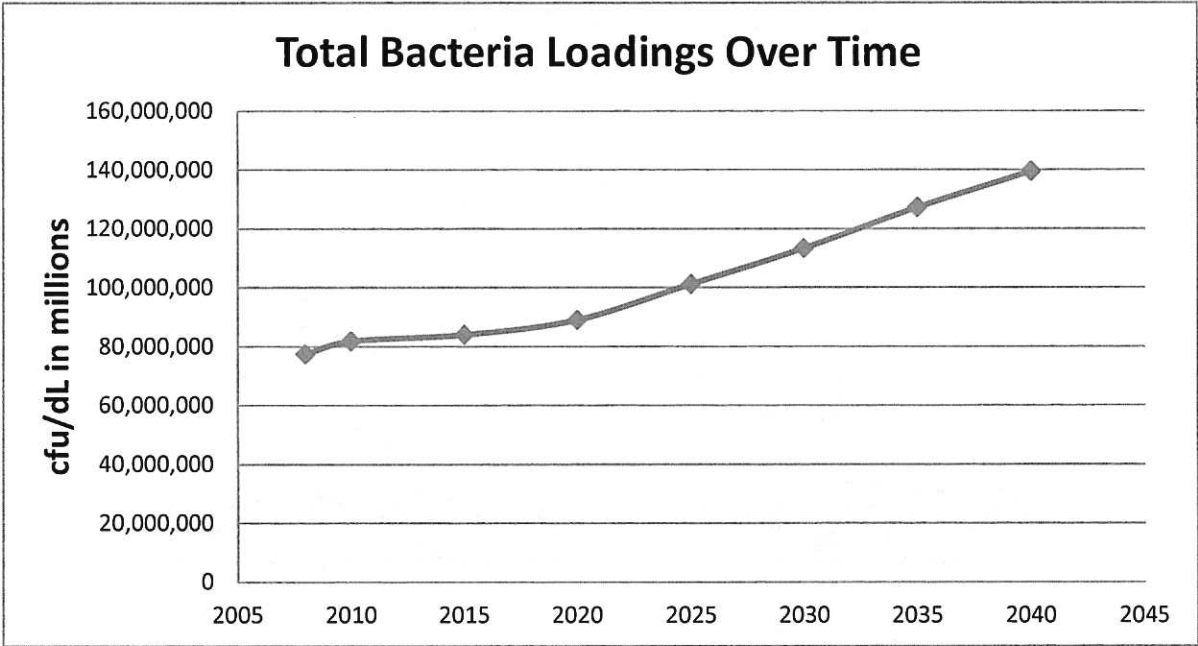


Figure A 22: Total Bacteria Loading, 2008-2040

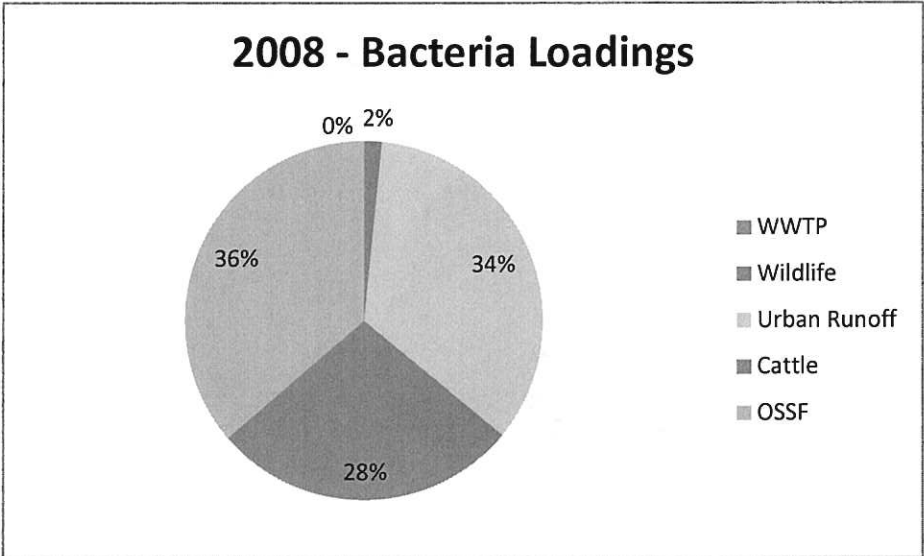


Figure A 23: Total Bacteria Loading by Source (2008)

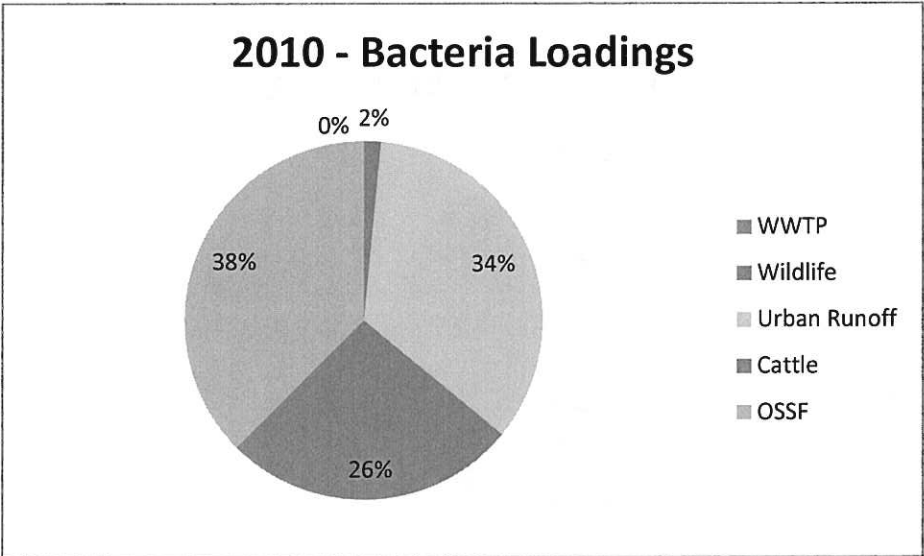


Figure A 24: Total Bacteria Loading by Source (2010)

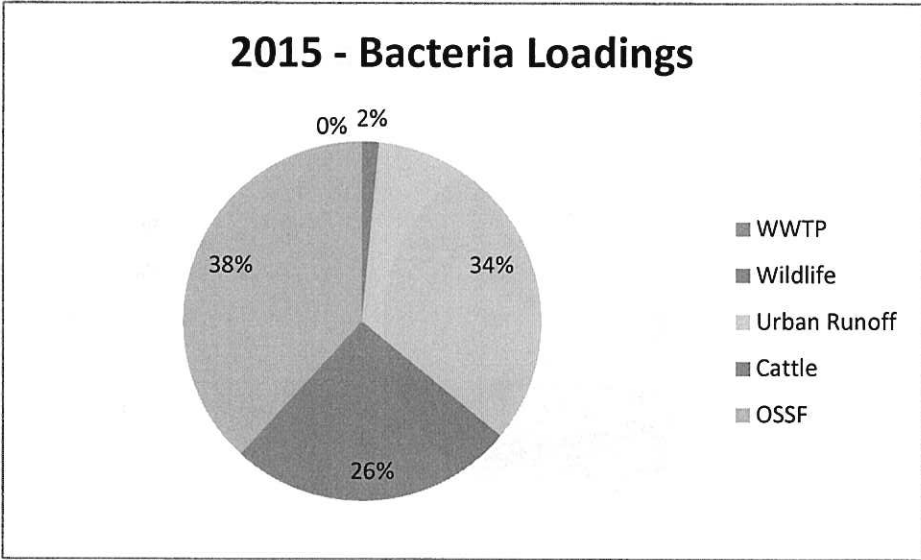


Figure A 25: Total Bacteria Loading by Source (2015)

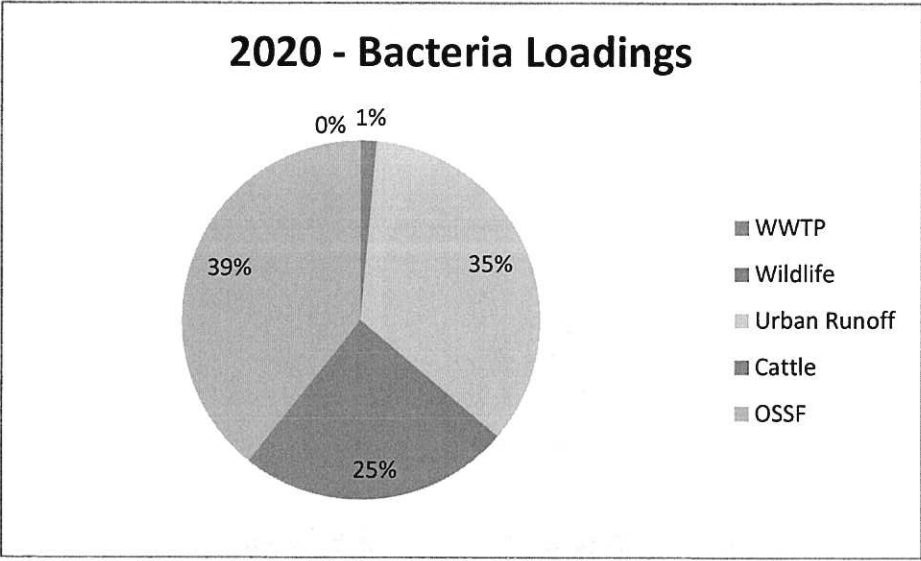


Figure A 26: Total Bacteria Loading by Source (2020)

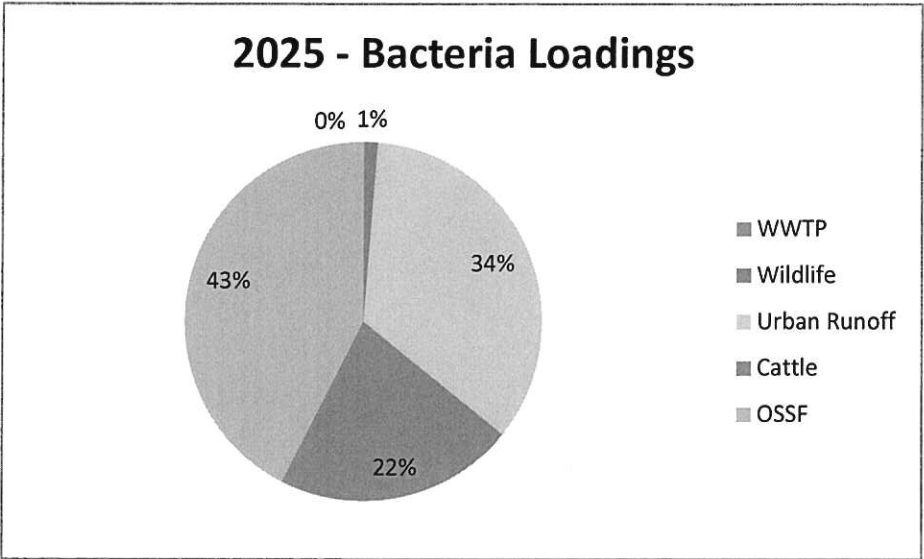


Figure A 27: Total Bacteria Loading by Source (2025)

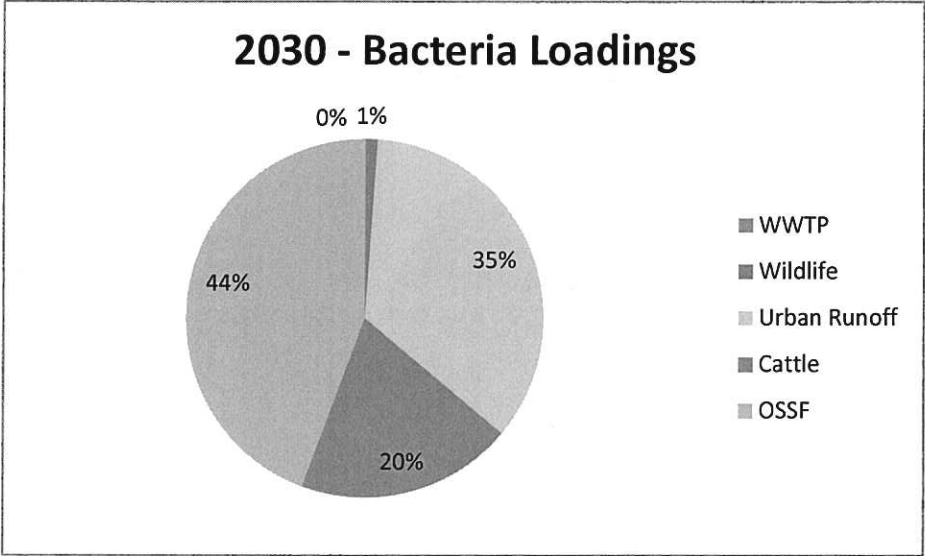


Figure A 28: Total Bacteria Loading by Source (2030)

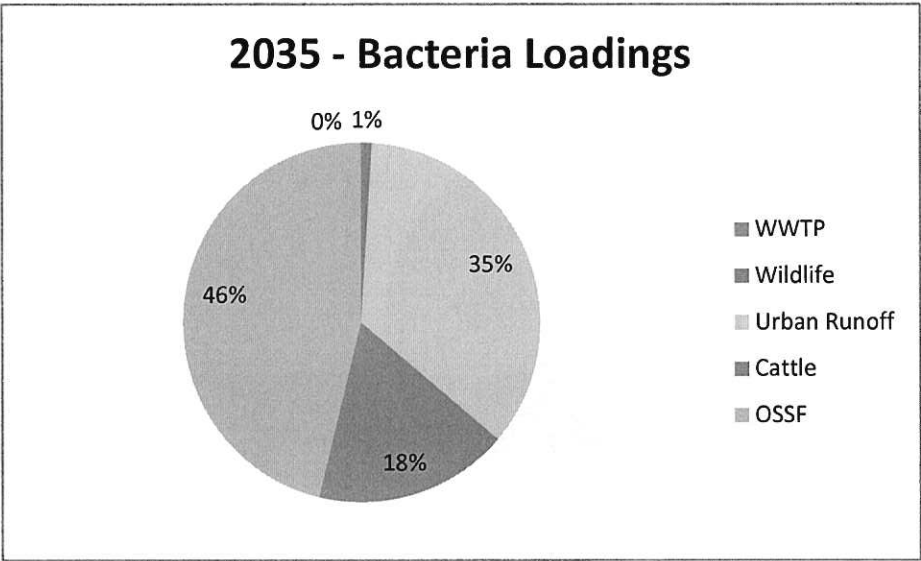


Figure A 29: Total Bacteria Loading by Source (2035)

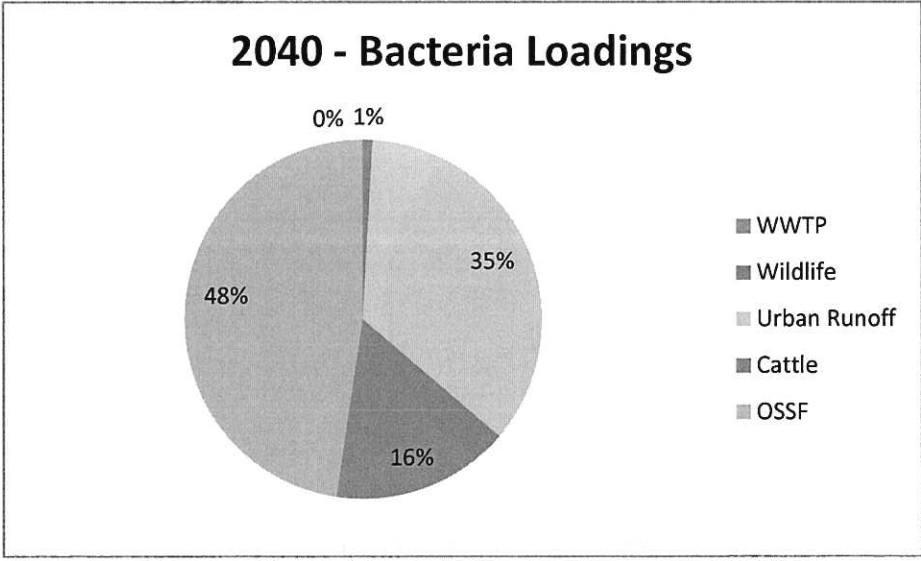


Figure A 30: Total Bacteria Loading by Source (2040)

## **Appendix B:**

### **SELECT Modeling Detail**

### **SELECT (Spatially Explicit Load Enrichment Calculation Tool)**

The Spatially Explicit Load Enrichment Calculation Tool is an analytical approach for developing an inventory of potential bacterial sources, particularly nonpoint source contributors, and distributing their potential bacterial loads based on land use and geographical location. The model was originally developed for rural areas that are experiencing rapid growth and change. The model is ideal for Bastrop Bayou watershed as the area is experiencing rapid development and is predominantly rural at this point. As precedent, the model has performed quite well in the Plum Creek Watershed. Land use classification data and other data are used as inputs in a Geographical Information Systems (GIS) software format. Pollutant sources are then identified and targeted where they are most likely to have significant effects on water quality, rather than looking at contributions on a whole-watershed basis. In other words, using estimated distributions of livestock, wildlife, human households, pets and OSSFs, as well as the location of permitted wastewater treatment facilities (WWTPs), a pollutant load can be estimated for each potential source.

The model is developed in ArcGIS 9.X environment and is used to determine loadings of bacteria from point and nonpoint sources within a watershed. H-GAC added GIS files such as land use, watershed delineation, soils, subdivisions, and census blocks into the ArcGIS map application. The source load concentrations and defecation rates (for cattle, dogs, etc.) are preset based on published literature reviewed by HGAC. The model calculates the loadings from each source, aggregates the sum to geometric probability means, and creates a map of the loadings. This provides a visual representation of the contributing sources in a watershed. The approach evaluates each pollutant source and identifies which subwatersheds have the greatest potential to contribute to bacteria loads based on both the average bacteria production rate and the concentration of a source within a subwatershed. This evaluates the potential for pollution from the possible sources and subwatersheds, resulting in a relative approximation for each area. Sources with high potential were then evaluated to determine if the necessary controls are already in place or if action should be taken to reduce pollutant contributions. Specifically, land cover data, ambient monitoring, demographics, agricultural operations, permitted discharges and other GIS variables identified in the data inventory was used as input for the SELECT software. The model is based on ArcGIS architecture and is most sensitive to bacteria levels. Bacterial contamination is the main concern for the watershed and this model was developed specifically to model bacteria levels. After the pollutant loadings are quantified by model, the results were reviewed by the stakeholders and matched with local knowledge about the watershed.

### **SELECT Methodology**

The SELECT methodology was developed using ArcGIS 9.0 with the Spatial Analyst extension available from ESRI. This spatially explicit method divided the watershed into a raster grid of 30 m × 30 m cells. For each of the cell locations within the watershed the E. coli loads are estimated from the sources that are potentially present at each location. Custom land use classification was conducted by H-GAC in 2002 using satellite imagery and National Agricultural Imagery (NAIP) aerial photographs. Although



a 2008 imagery was available, they were not completed at the time when SELECT model was run. The data from the 2008 imagery will be available in early 2009 and the change analysis between 2002 and 2008 would be available in early 2010.

The SELECT method identifies point and nonpoint sources throughout urban and rural areas. The identified point sources are active wastewater treatment plants. Nonpoint sources from urban areas include urban runoff, OSSF failure and dogs. Nonpoint sources from rural areas include runoff from livestock, dogs (Schueler 1999), wildlife (Weiskel et al., 1996) and OSSF failure (Reed, Stowe & Yanke LLC, 2001). Wildlife sources can include many types of wild animals and birds. In this area, the known wildlife includes feral hogs, whitetail deer, raccoons, rodents, opossums and migratory birds. Feral hogs and deer are the only wildlife sources to be included within SELECT because they are the only populations of concern with available data. Livestock productions within the area are primarily cattle, horses, sheep and goats.

The SELECT Model was initially used to calculate loadings from urban runoff in the Bastrop Bayou Watershed. Loadings were calculated from point and nonpoint sources. Pollutant concentrations were obtained from Newell, et al. (1992). Given that total annual loading of nitrogen was calculated to be more than twice that of phosphorus (the primary nutrients of concern), we used the Total Nitrogen values to represent nutrients.

Loading estimates from the SELECT model were reviewed by the stakeholders and matched with local knowledge about the Watershed. Using estimated distributions of livestock, wildlife, human households, pets, and OSSFs, as well as the location of permitted wastewater treatment facilities (WWTPs), a pollutant load was estimated for each potential source. Stream segments in subwatersheds were designated by land cover type. For example, urban areas received a different runoff curve number than an agricultural area with row crops or grazing land. This approach allowed the subsequent designation of customized BMPs based on specific land use and land cover types. The precise data sources used to feed the model are described later in this section.

### **Assumptions in the Model**

There are several assumptions and use criteria related to mathematical models. First, nonpoint sources are the most significant source of pollutants in the Watershed. Second, parts of the Watershed are tidally influenced. (Bastrop Bayou contains both freshwater and tidally influenced streams.) The freshwater areas use *E. coli* as an indicator while *Enterococcus* is used for the tidally influenced coastal areas. WASP is the best model that incorporates coastal and freshwater elements. SELECT also accommodates both types of streams. Published literature indicates a conversion factor between Fecal Coliform and *E. coli*. No definitive study was found to link *Enterococcus* results with *E. coli* results at the suggestion of TCEQ, the ratio of the geometric values of the contact recreation standards for the two bacteria types were used as the conversion factor. Third, the results from the model should be compatible and the data should easily feed other models. SELECT output can be utilized as a feed for the WASP and other models. A second model may be necessary if the quantified results do not match the targeted monitoring data from implementation activities. Due to compatibility,

WASP can be run as an adjunct to SELECT. Fourth, agricultural/ranching practices are prevalent throughout the Watershed. Based on Stakeholder feedback, only cattle loadings are presented. Although calculations for other domesticated animals were performed, the stakeholders felt that the central issue to be cattle. For cattle, several assumptions were made. First cattle will occupy 25% of their time in marshy areas with the remainder in pastures. Second, due to crop rotation, some areas with are pasture now will be converted to row crops and vice versa. Fifth, the model should allow customizable BMP's. Subwatershed evaluation is more valuable than overall Watershed loading analysis. By using subwatersheds and land cover information SELECT customizes BMP's for each subwatershed rather than gross measures. Sixth, OSSFs are a significant source of pollutants for the Watershed. No model currently available is particularly adept at estimating loads from OSSFs. SELECT is designed to incorporate OSSF information, but is far from perfect. The high number of OSSFs in a watershed will increase the inaccuracy of any model. Based on Brazoria County data for one community on the waterway, a malfunction/failure rate of 79% was utilized for systems older than 1989 and a rate of 47% for homes that were built after 1989. Finally, nonpoint sources are inherently difficult to model and raise the inaccuracy of the final estimate. The targeted monitoring data will used to gauge, supplement and verify SELECT model results.

Specific assumptions are noted in the results section.

#### **Accuracy of the Model**

No model is completely accurate. As the numbers of nonpoint sources increase the uncertainty of a model also increases. Individuals who live or work in the Watershed are an excellent resource to gauge the accuracy of the model.

#### **Data inventory resources**

All datasets to feed the model are listed below including, CRP ambient water quality data, demographic information, number of agricultural operations, permitted discharges and updated land cover information. Examples of demographic information include number of households, average number of people per household, building types, estimated acreage, etc. Examples of information from the permitted discharges database include the number of outfalls, location of outfalls, permit number, permitted flow, parameters monitored, renewal date, etc. Four criteria were used in evaluating the data inventory: model requirements, source, date and completeness. The sets listed below met all of these criteria and were evaluated as inputs for the SELECT model. All of the data sets listed were acquired for the project and only those highlighted in bold were actually used in the modeling. In some cases redundant information was available from two sources. In this case only the latest or most complete data sets were used. In the analysis, the Bayou was assumed to support high aquatic life.

**Table B 1: Data Inventory Resources**

Name	Source	Date	Description
ABI Businesses	(Census Data)	(2000)	GIS- Business in Brazoria County, includes some housing data
<b>Land Cover</b>	<b>H-GAC</b>	<b>2002</b>	<b>GIS - Complete data set</b>
Land use	(H-GAC)	(2000)	GIS - Source unknown appears to be from 2000
Hydrography	NHD	(2000)	GIS - newer sets available below
Hydrography	Census Bureau	1990	GIS - Older data set
Hydrography	Census Bureau	2000	GIS Shapefiles
Hydrography	(H-GAC)	(2000)	GIS - Source unknown appears to be from 2000
<b>Watershed</b>	<b>(TCEQ)</b>	<b>2003</b>	<b>GIS - from TCEQ</b>
<b>Coastal Preserve</b>	<b>GLO\USGS</b>	<b>(2000)</b>	<b>GIS Shapefiles</b>
County Line	Census Bureau	1990	Forecast - Older census data
<b>County</b>	<b>TXDOT</b>	<b>(2000)</b>	<b>GIS Shapefiles</b>
DEM	(H-GAC)	(2000)	GIS Shapefiles
<b>Urban Centers</b>	<b>Census Bureau</b>	<b>2000</b>	<b>GIS Shapefiles complete set for 2000</b>
<b>Roads</b>	<b>TXDOT</b>	<b>(2000)</b>	<b>GIS Shapefiles</b>
<b>Roads</b>	<b>H-GAC-Starmap</b>	<b>2007</b>	<b>GIS Shapefiles - complete and most accurate</b>
Roads	Census Bureau	1990	GIS Shapefiles
Roads	Census Bureau	2000	GIS Shapefiles
Main Roads	TNRIS	(2000)	GIS Shapefiles
Continuous Monitoring System (incl. ambient)	H-GAC	2006	GIS Shapefiles - complete
<b>Continuous Monitoring System (incl. ambient)</b>	<b>H-GAC</b>	<b>2007</b>	<b>GIS Shapefiles - complete and most accurate</b>
Continuous Monitoring System (incl. ambient) (historic)	H-GAC (TCEQ)	(2000)	GIS Shapefiles - complete

Aerial Imagery	H-GAC	2006	GIS Shapefiles - complete and most accurate
Aerial Imagery	H-GAC	2004	GIS Shapefiles - complete
Aerial Imagery	NAIP	2005	GIS Shapefiles - complete, high quality
DOQQs	H-GAC	1990	Unknown date most likely 1990
<b>Wastewater SA</b>	<b>H-GAC</b>	<b>2007</b>	<b>GIS Shapefiles - complete</b>
<b>WWTP Outfalls</b>	<b>TCEQ</b>	<b>2007</b>	<b>GIS Shapefiles - complete set, some areas not covered</b>
Parcel Data	BCAD	2003	incomplete data set
<b>Soil</b>	<b>NRCS</b>	<b>(2000)</b>	<b>GIS Shapefiles - date uncertain</b>
Potential Septic System	H-GAC	2005	incomplete data set, not comprehensive for several zip codes
<b>Lidar Elevation</b>	<b>FEMA</b>	<b>2006</b>	<b>Most recent</b>
Contours	(USGS)	(2000)	GIS - Shapefiles
Congressional Dist	Census Bureau	2004	GIS - Shapefiles, errors in elected officials but not precincts, can combine with contact database for accurate precinct reps
Flood Zones	FEMA	(2000)	GIS - Older data set, date unknown
<b>Population</b>	<b>Census Bureau</b>	<b>2006</b>	<b>Tabular</b>
<b>Housing Units</b>	<b>Appraisal District</b>	<b>2006</b>	<b>Tabular - from model</b>
Inventory of Buildings	Appraisal District	2006	Tabular incl. housing
Property Valuations	Appraisal District	2006	Tabular - protests not included

## **Appendix C:**

### **EPD-RIV1 Modeling Detail**

## **Appendix D:**

# **Water Quality Data Tables**

## Lori Rowe

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**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, April 12, 2022 2:10 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** Bannieg15@gmail.com <Bannieg15@gmail.com>  
**Sent:** Tuesday, April 12, 2022 1:20 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Betsy David

**EMAIL:** [Bannieg15@gmail.com](mailto:Bannieg15@gmail.com)

**COMPANY:**

**ADDRESS:** 141 RIVERSIDE DR  
ANGLETON TX 77515-9107

**PHONE:** 7138239765

**FAX:**

**COMMENTS:** I request a public meeting on this permit. I am very concerned about the safety and environmental impact on Bastrop Bayou. I live on the bayou and eat seafood from the bayou. This is also an Intercoastal waterway that is tidal. Too much fresh water will change the entire ecosystem, not just in Bastrop Bayou but also downstream.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, April 12, 2022 2:09 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

---

**From:** bannieg06@yahoo.com <bannieg06@yahoo.com>  
**Sent:** Tuesday, April 12, 2022 1:21 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

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**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Glenn David

**EMAIL:** [bannieg06@yahoo.com](mailto:bannieg06@yahoo.com)

**COMPANY:**

**ADDRESS:** 141 RIVERSIDE DR  
ANGLETON TX 77515-9107

**PHONE:** 7138239299

**FAX:**

**COMMENTS:** I request a public meeting on this permit. I am very concerned about the safety and environmental impact on Bastrop Bayou. I live on the bayou and eat seafood from the bayou. This is also an Intercoastal waterway that is tidal. Too much fresh water will change the entire ecosystem, not just in Bastrop Bayou but also downstream.



**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 21, 2022 9:35 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** Ashlyne.davidson@gmail.com <Ashlyne.davidson@gmail.com>  
**Sent:** Wednesday, April 20, 2022 8:25 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

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**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MISS Ashlyne Davidson

**EMAIL:** [Ashlyne.davidson@gmail.com](mailto:Ashlyne.davidson@gmail.com)

**COMPANY:**

**ADDRESS:** 1925 FAIRWAY DR  
ANGLETON TX 77515-7366

**PHONE:** 9798645840

**FAX:**

**COMMENTS:** I LIVE HERE ON THE BAYOU AND I OPPOSE THIS AND REQUEST A FORMAL HEARING. YOU WILL DISRUPT OUT ECOSYSTEM NOT TO MENTION SO MUCH MORE FOR THE REASON WE SPENT A LOT OF MONEY BUYING OUT PROPERTY. I WANT MY VOICE TO BE HEARD. I DO NOT APPROVE!

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 21, 2022 9:33 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** Ashlyne.davidson@gmail.com <Ashlyne.davidson@gmail.com>  
**Sent:** Wednesday, April 20, 2022 7:10 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

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**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MISS Ashlyne Davidson

**EMAIL:** [Ashlyne.davidson@gmail.com](mailto:Ashlyne.davidson@gmail.com)

**COMPANY:**

**ADDRESS:** 1925 FAIRWAY DR  
ANGLETON TX 77515-7366

**PHONE:** 9798645840

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**Lori Rowe**

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**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** Ashlyne.davidson@gmail.com <Ashlyne.davidson@gmail.com>  
**Sent:** Wednesday, April 20, 2022 6:37 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

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**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MISS Ashlyne Davidson

**EMAIL:** [Ashlyne.davidson@gmail.com](mailto:Ashlyne.davidson@gmail.com)

**COMPANY:**

**ADDRESS:** 1925 FAIRWAY DR  
ANGLETON TX 77515-7366

**PHONE:** 9798645840

**FAX:**

**COMMENTS:** I LIVE HERE ON THE BAYOU AND I OPPOSE THIS AND REQUEST A FORMAL HEARING. YOU WILL DISRUPT OUT ECOSYSTEM NOT TO MENTION SO MUCH MORE FOR THE REASON WE SPENT A LOT OF MONEY BUYING OUT PROPERTY. I WANT MY VOICE TO BE HEARD. I DO NOT APPROVE!

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 21, 2022 9:32 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** Aubreedavidson@ymail.com <Aubreedavidson@ymail.com>  
**Sent:** Wednesday, April 20, 2022 6:34 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

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**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Aubree Davidson

**EMAIL:** [Aubreedavidson@ymail.com](mailto:Aubreedavidson@ymail.com)

**COMPANY:**

**ADDRESS:** 1925 FAIRWAY DR  
ANGLETON TX 77515-7366

**PHONE:** 8324655166

**FAX:**

**COMMENTS:** We oppose this & request a formal hearing

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 22, 2022 4:02 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** aubreedavidson@ymail.com <aubreedavidson@ymail.com>  
**Sent:** Friday, April 22, 2022 2:53 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Aubree Davidson

**EMAIL:** [aubreedavidson@ymail.com](mailto:aubreedavidson@ymail.com)

**COMPANY:**

**ADDRESS:** 1925 FAIRWAY DR  
ANGLETON TX 77515-7366

**PHONE:** 8324655166

**FAX:**

**COMMENTS:** i request a public meeting

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 21, 2022 9:32 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** JIMMY.DAVIDSON@YAHOO.COM <JIMMY.DAVIDSON@YAHOO.COM>  
**Sent:** Wednesday, April 20, 2022 6:29 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MR JIMMY DAVIDSON

**EMAIL:** [JIMMY.DAVIDSON@YAHOO.COM](mailto:JIMMY.DAVIDSON@YAHOO.COM)

**COMPANY:**

**ADDRESS:** 1925 FAIRWAY DR  
ANGLETON TX 77515-7366

**PHONE:** 8326405155

**FAX:**

**COMMENTS:** I LIVE HERE ON THE BAYOU AND I OPPOSE THIS AND REQUEST A FORMAL HEARING. YOU WILL DISRUPT OUT ECOSYSTEM NOT TO MENTION SO MUCH MORE FOR THE REASON WE SPENT A LOT OF MONEY BUYING OUT PROPERTY. I WANT MY VOICE TO BE HEARD. I DO NOT APPROVE!

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, April 19, 2022 2:03 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** jl\_davis@comcast.net <jl\_davis@comcast.net>  
**Sent:** Tuesday, April 19, 2022 10:14 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MR Jerry Lee Davis, JR

**EMAIL:** [jl\\_davis@comcast.net](mailto:jl_davis@comcast.net)

**COMPANY:**

**ADDRESS:** 803 PORT RD  
ANGLETON TX 77515-9397

**PHONE:** 9794171868

**FAX:**

**COMMENTS:** I request a public hearing on this matter. I am apposed to it

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Wednesday, April 6, 2022 9:14 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** jl\_davis@comcast.net <jl\_davis@comcast.net>  
**Sent:** Tuesday, April 5, 2022 9:13 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME** RESERVE AT ANGLETON WWTP

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MR Jerry Lee Davis, JR

**EMAIL:** [jl\\_davis@comcast.net](mailto:jl_davis@comcast.net)

**COMPANY:**

**ADDRESS:** 803 PORT RD  
ANGLETON TX 77515-9397

**PHONE:** 9794171868

**FAX:**

**COMMENTS:** We do not want your wast water (clean or not) this is my home and it a food supply for my family. And my grandchildren swim in this Bayou. Keep your wast water out of it. I request a public hearing on this matter



TCEQ Public Meeting Form  
July 28, 2022

Undine Texas Environmental, LLC  
New TPDES Permit for Municipal Wastewater  
Permit No. WQ0016046001

PLEASE PRINT

Name: Jerry Davis

Mailing Address: 803 Port Rd

Physical Address (if different): \_\_\_\_\_

City/State: Angleton TX Zip: 77515

**\*\*This information is subject to public disclosure under the Texas Public Information Act\*\***

Email: JLDavis@Comcast.net

Phone Number: 979-417-1868

• Are you here today representing a municipality, legislator, agency, or group?  Yes  No  
If yes, which one? \_\_\_\_\_

Please add me to the mailing list.

I wish to provide formal **ORAL COMMENTS** at tonight's public meeting.

I wish to provide formal **WRITTEN COMMENTS** at tonight's public meeting.

(Written comments may be submitted at any time during the meeting)  
Please give this form to the person at the information table. Thank you.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 7, 2022 8:32 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** justinrduke21@gmail.com <justinrduke21@gmail.com>  
**Sent:** Thursday, April 7, 2022 8:21 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Justin Duke

**EMAIL:** [justinrduke21@gmail.com](mailto:justinrduke21@gmail.com)

**COMPANY:**

**ADDRESS:** 3402 COUNTY ROAD 197  
ALVIN TX 77511-1726

**PHONE:** 8328583541

**FAX:**

**COMMENTS:** I oppose this permit and request a public hearing.

## Vander Gold

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 1:21 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

RFR

**From:** [davidd@houstondistributing.com](mailto:davidd@houstondistributing.com) <[davidd@houstondistributing.com](mailto:davidd@houstondistributing.com)>  
**Sent:** Friday, December 16, 2022 7:29 AM  
**To:** PUBCOMMENT-OCC <[PUBCOMMENT-OCC@tceq.texas.gov](mailto:PUBCOMMENT-OCC@tceq.texas.gov)>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MR David Lee Durham

**EMAIL:** [davidd@houstondistributing.com](mailto:davidd@houstondistributing.com)

**COMPANY:**

**ADDRESS:** 16511 DUNLEITH CIR  
CYPRESS TX 77429-4832

**PHONE:** 2818025532

**FAX:**

**COMMENTS:** I own a home at 2831 Bayou Drive 77515 and the effect the discharge of the amount of water from this project will have a direct impact on the community. There will be more flooding during storms and high tides. There also be an impact to the salinity levels in the water, which the marine life. The home owners are regulated by the TCEQ on their septic systems which has had a positive impact on the water quality, so why would the TCEQ let a massive project move forward. I want Nature to remain natural on Bastrop Bayou, so please reconsider this project.

## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 1:20 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** Request for Contested hearing Michael\_Karen\_Durham1.pdf

eComment - RFR  
Attachment - H

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**From:** mdurham1965@att.net <mdurham1965@att.net>  
**Sent:** Thursday, December 15, 2022 9:22 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Michael Richard Durham

**EMAIL:** [mdurham1965@att.net](mailto:mdurham1965@att.net)

**COMPANY:**

**ADDRESS:** 15806 DEERPATH CT  
TOMBALL TX 77377-8540

**PHONE:** 8329288495

**FAX:**

**COMMENTS:** Please reconsider permit application WQ0016046001.

12/15/2022

TO: Executive Director Texas Commission on Environmental Quality

RE: Undine Texas Environmental, LLC, permit number WQ0016046001

Purpose: Request for a Contested Case Hearing and opposition to permit WQ0016046001 by Michael and Karen Durham.

Applicant: Undine Texas Environmental, LLC, permit number WQ0016046001.

My wife, my 2 children, and numerous friends of the family that visit the bayou friends will be affected. Our house is approximately 2 miles toward the coast from where the discharge will enter the bayou. The bayou is a huge part of our life. We fish frequently, crab 9 months of the years from our pier in the bayou, partake in water skiing and tubing in the bayou, swim in the bayou during summer months, and bird watch the throughout the year. We have also participated in the Trash Bash for the past 12+ years in an effort to clean up the bayou. We use a large portion of Bastrop Bayou and Austin from 2004 to the Gulf of Mexico. An unhealthy bayou due to any contaminants and reduced salinity can result decaying/dying bayou that will affect our lives in the many areas. Some examples of affected areas outlined below:

- I. Health - We routinely eat the fish and crabs from the bayou, we swim and partake in watersports in the bayou.
- II. Finances - Food and recreation costs would be affected. We eat a lot of fish and crabs from the bayou so we would need to look elsewhere for a substitute food source.
- III. Flooding - Any additional water in the bayou in weather event can flood a home or make the home inaccessible. The additional water can make an impact in flooding. High tides coupled with wind events can cause the bayou to rise near the edge of the home and any additional water will impact the water level.
- IV. Water quality - Poor water quality will affect all areas listed above.
- V. Wildlife - Anything that can decline wildlife in the bayou can have a chain effect on all the wildlife and ultimately an impact on my family.

There are provisions for violations of discharge so that implies contaminants will enter the bayou. It will not be a question of if, it will be when and the impact. The applicant already has violations. In addition, the discharge amount has been increased from 250,000 gallons up to 1,000,000 gallons since the original application.

Michael and Karen Durham

3003 Bayou Dr. (CR807A), Angleton, TX 77515. 832-928-8495

## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 1:25 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H  
RFR

---

**From:** thirdcoastbulkheads@gmail.com <thirdcoastbulkheads@gmail.com>  
**Sent:** Friday, December 16, 2022 1:23 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MR Michael Wayne Durham

**EMAIL:** [thirdcoastbulkheads@gmail.com](mailto:thirdcoastbulkheads@gmail.com)

**COMPANY:** Thirdcoastbulkheads LLC

**ADDRESS:** 31434 BAYOU BND  
RICHWOOD TX 77515-7091

**PHONE:** 8328779242

**FAX:**

**COMMENTS:** Please accept this as our request for a Contested Case Hearing for Michael W. and Stephanye Durham. Applicant: Undine Texas Environmental, LLC, permit number WQ0016046001. We are located less than a mile from the proposed dump site on Bastrop Bayou. I have been on this bayou since 1991, and find it very troubling that Undine/TCEQ have the audacity to come in and plan to ruin what I, as well as so many others call home, for their

financial gain. Some food for thought is in allowing this permit to go through would in fact raise water levels at our new Bastrop Bayou residence located at 31434 Bayou Bend, Richwood, TX. This means that our household, as well as other Bayou residents would be significantly more prone to Flooding. Up to 1 million gallons of unannounced water daily would immensely raise the water levels on this watershed. Secondly, my families diet is comprised of, at a weekly minimum of 25% diet, that is provided by Bastrop Bayou. Adding the influx of 1 million gallons would diminish our diet. Next, we have a 9 1/2 month son. This guy will never be able to partake in any recreational activities on the bayou due to the harsh chemicals that will be pumped in. This leads us to medical issues that could stem from a non-natural substances being brought down stream, which would also prove to be a financial burden on our family. I also earn my living on this waterway. If this happens to come to fruition, this could discourage individuals from wanting to build on this bayou, which will make it extremely difficult for my family, and those I employ to survive. This will also affect the wildlife that travels on our land that drink out of the Bayou. It could diminish our deer and other wildlife we feed on a daily basis. Lastly, Bastrop Bayou has no direct flow to the Gulf of Mexico, and is a tidal body of water. My family, others who border the bayou, as well as those who utilize it for recreational purposes will be stuck with these hardships for the remainder of our time here. THE END SITE FOR ALL THIS WATER NEEDS TO BE IMMEDIATELY RECONSIDERED RATHER THAN PLACED IN OUR LAPS WHO FIGHT TO KEEP THIS BAYOU NATURAL.

## Vander Gold

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 1:17 PM  
**To:** PUBCOMMENT-WQ; PUBCOMMENT-ELD; PUBCOMMENT-OCC2; PUBCOMMENT-OPIC  
**Subject:** FW: Public comment on Permit Number WQ0016046001

RFR

**From:** thirdcoastbulkheads@gmail.com <thirdcoastbulkheads@gmail.com>  
**Sent:** Thursday, December 15, 2022 8:28 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MR Michael W Durham

**EMAIL:** [thirdcoastbulkheads@gmail.com](mailto:thirdcoastbulkheads@gmail.com)

**COMPANY:** Home

**ADDRESS:** 31434 BAYOU BND  
RICHWOOD TX 77515-7091

**PHONE:** 8328779242

**FAX:**

**COMMENTS:** Again, I would like to formally oppose this waste water treatment plant you guys are planning on allowing to dump into Bastrop Bayou. One of the main reasons to reconsider this is residents who reside along and or near Bastrop Bayou MUST contain our " clean" waste water within our property. There is no reason, any entity, any individual, much less anyone, should be permitted to ruin something natural. Why does a mobile home community get to reach above the rules set forth for the rest of the folks who call this place home? Why can't TCEQ and this project



come up with an alternate solution which appeases both residents of Bastrop Bayou, as well as the project? THIS REALLY NEEDS TO BE RECONSIDERED AS YOU NEED TO THINK ABOUT WASTE WATER GOING DIRECTLY INTO YOUR YARD ON A DAILY BASIS. There are better solutions!!!

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Wednesday, April 6, 2022 9:07 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** thirdcoastbulkheads@gmail.com <thirdcoastbulkheads@gmail.com>  
**Sent:** Tuesday, April 5, 2022 8:30 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MR Michael Wayne Durham

**EMAIL:** [thirdcoastbulkheads@gmail.com](mailto:thirdcoastbulkheads@gmail.com)

**COMPANY:** Thirdcoastbulkheads LLC

**ADDRESS:** 2827 BAYOU DR  
ANGLETON TX 77515-9127

**PHONE:** 8328779242

**FAX:**

**COMMENTS:** To whom it may concern; I MOST CERTIANLY AM AGAINST THE PROPOSED PROJECT TCEQ IS TRYING TO PUSH THROUGH WITHOUT THE PUBLICS NOTICE. DO NOT GIVE ME ANY BS SAYING THE PUBLIC WAS NOTIFIED OF THIS. YOU GUYS PUT THIS ARTICLE IN A THIRD RATE NEWSPAPER IN BRAZORIA COUNTY THAT NO ONE PURCHASES. AS A LIFELONG ACTIVE MEMBER OF THE COMMUNITY, I SPEAK ON BEHALF OF SEVERAL PEOPLE THAT WE ARE AGAINST THIS WASTE WATER TREATMENT DUMPING INTO BASTROP BAYOU. THIS BAYOU FOR ONE IS A TIDAL BAYOU MEANING

IF/WHEN THE SYSTEM DOES NOT WORK PROPERLY, WE WILL EXPERIENCE THE PITFALLS OF HUMAN ERROR ON THIS BEAUTIFUL BAYOU WE CALL HOME. SECONDLY, THIS ECOSYSTEM CANNOT AND WILL NOT BE ABLE TO SUSTAIN THE QUANTITY OF WATER THAT WILL BE IMPREGNATED INTO IT. NOT ONE OF YOUR ASSOCIATES CAN SAY THEY HAVE DONE THE RESEARCH TO SEE HOW THIS WILL NEGATIVELY EFFECT OUR ECOSYSTEM. THIRD, THIS IS A RECREATIONAL WATERWAY. PEOPLE SWIM HERE. WHO IS GOING TO FUND A LAWSUIT UPON TRACING AN ILLNESS ALL THE WAY BACK TO TCEQ'S POLLUTED WATER? THERE ARE MANY MORE REASONS WHY THIS IS NOT FOR THIS BAYOU, HOWEVER, ASK YOURSELF THIS, HOW WOULD YOU FEEL IF THIS SYSTEM WERE TO BE FORCED UPON YOU IN YOUR BACK YARD? I AM TRYING TO RAISE A FAMILY ON THIS BAYOU. PICK A LOCATION THAT DIRECTLY FLOWS INTO THE GULF OF MEXICO, RATHER THAN A WATERWAY THAT DEAD ENDS INTO OTHER BODIES OF WATER AND NO DIRECT ACCESS TO THE GULF. I DO NOT CARE HOW CLEAN YOU PROPOSE THIS WATER TO BE ONCE IT IS "TREATED", I CAN GUARANTEE YOU, NO ONE FROM TCEQ WOULD DARE DRINK FROM THIS. AT THIS TIME, I AM REQUESTING A HEARING FOR THIS AND I WILL NOT LAY DOWN TO LET THIS SLIDE. THIS IS WRONG ON SO MANY LEVELS TO DICTATE HOW AND WHERE YOU ARE JUST GOING TO DUMP YOUR WASTE WATER WITHOUT THE APPROVAL FROM THE GENERAL CONSESUS, ESPECIALLY THOSE WHOSE HOUSE LIE ON THIS WATERWAY. WE CAN COME UP WITH A BETTER SOLUTION THAN TO DUMP IT HERE!!!!

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 8, 2022 10:23 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** stephanye.durham@gmail.com <stephanye.durham@gmail.com>  
**Sent:** Thursday, April 7, 2022 6:51 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Stephanye Durham

**EMAIL:** [stephanye.durham@gmail.com](mailto:stephanye.durham@gmail.com)

**COMPANY:**

**ADDRESS:** 31434 BAYOU BND  
RICHWOOD TX 77515-7091

**PHONE:** 8322873120

**FAX:**

**COMMENTS:** I request a public hearing on this matter

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 8, 2022 10:24 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** stephanye.durham@gmail.com <stephanye.durham@gmail.com>  
**Sent:** Thursday, April 7, 2022 5:52 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Stephanye Durham

**EMAIL:** [stephanye.durham@gmail.com](mailto:stephanye.durham@gmail.com)

**COMPANY:**

**ADDRESS:** 31434 BAYOU BND  
RICHWOOD TX 77515-7091

**PHONE:** 8322873120

**FAX:**

**COMMENTS:** I request a public hearing on this matter

## Vander Gold

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, December 19, 2022 9:53 AM  
**To:** PUBCOMMENT-WQ; PUBCOMMENT-ELD; PUBCOMMENT-OCC2; PUBCOMMENT-OPIC  
**Subject:** FW: Public comment on Permit Number WQ0016046001

---

**From:** Thirdcoastbulkheads@gmail.com <Thirdcoastbulkheads@gmail.com>  
**Sent:** Friday, December 16, 2022 9:46 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Michael W Durham

**EMAIL:** [Thirdcoastbulkheads@gmail.com](mailto:Thirdcoastbulkheads@gmail.com)

**COMPANY:** Thirdcoastbulkheads LLC

**ADDRESS:** 31434 BAYOU BND  
RICHWOOD TX 77515-7091

**PHONE:** 8328779242

**FAX:**

**COMMENTS:** As I lay my head down tonight, it truly bothers me as a resident along Bastrop Bayou, that TCEQ/UNDINE would persist on making a dollar to approve a facility dumping into Bastrop Bayou rather than come up with an effective solution that does not negatively affect all of these residents who have poured their heart and soul to you guys in hopes of stopping this. How can you folks peacefully sleep at night knowing you are possibly going to not only destroy a

valuable NATURAL Texas ecosystem, as well crush hopes and dreams of future generations desiring to call Bastrop Bayou home?

TCEQ Public Meeting Form  
July 28, 2022

Undine Texas Environmental, LLC  
New TPDES Permit for Municipal Wastewater  
Permit No. WQ0016046001

PLEASE PRINT

Name: Michael Durham

Mailing Address: 15806 Deespath Ct.

Physical Address (if different): \_\_\_\_\_

City/State: Tomball Zip: 77377

**\*\*This information is subject to public disclosure under the Texas Public Information Act\*\***

Email: \_\_\_\_\_

Phone Number: \_\_\_\_\_

- Are you here today representing a municipality, legislator, agency, or group?  Yes  No

If yes, which one? \_\_\_\_\_

Please add me to the mailing list.

I wish to provide formal *ORAL COMMENTS* at tonight's public meeting.

I wish to provide formal *WRITTEN COMMENTS* at tonight's public meeting.

(Written comments may be submitted at any time during the meeting)  
Please give this form to the person at the information table. Thank you.



**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 25, 2022 9:10 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** Mdurham1965@att.net <Mdurham1965@att.net>  
**Sent:** Saturday, April 23, 2022 10:01 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Michael Durham

**EMAIL:** [Mdurham1965@att.net](mailto:Mdurham1965@att.net)

**COMPANY:**

**ADDRESS:** 15806 DEERPATH CT  
TOMBALL TX 77377-8540

**PHONE:** 8329288495

**FAX:**

**COMMENTS:** I request a public meeting

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, April 12, 2022 11:44 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** thirdcoastbulkheads@gmail.com <thirdcoastbulkheads@gmail.com>  
**Sent:** Monday, April 11, 2022 9:25 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTITY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MR Michael W Durham

**EMAIL:** [thirdcoastbulkheads@gmail.com](mailto:thirdcoastbulkheads@gmail.com)

**COMPANY:**

**ADDRESS:** 31434 BAYOU BND  
RICHWOOD TX 77515-7091

**PHONE:** 8328779242

**FAX:**

**COMMENTS:** I would like to request a public meeting for this proposed waste water treatment facility. Ypur entity is not providing clarity upon requests, therefore I would like to know a time and place as to where we can expect a hearing for this to take place.

## Lori Rowe

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 11, 2022 8:46 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

**From:** MICHAEL.DURHAM@HP.COM <MICHAEL.DURHAM@HP.COM>  
**Sent:** Friday, April 8, 2022 4:27 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Michael Durham

**EMAIL:** [MICHAEL.DURHAM@HP.COM](mailto:MICHAEL.DURHAM@HP.COM)

**COMPANY:**

**ADDRESS:** 15806 DEERPATH CT  
TOMBALL TX 77377-8540

**PHONE:** 8329288495

**FAX:**

**COMMENTS:** Treated wastewater is not natural to dump into natural water ways. If you can't drink it then it should not be "dumped" into natural water ways. There are plenty of practical uses for the treated water far better than dumping the treated water into natural waterways. The treated water can be used for irrigating green spaces, irrigating city property including buildings and medians, and the treated water is idea for golf courses. In addition, there are plenty of examples where the TCEQ does enforce violations in dumping treated water. TCEQ has lost the trust of the people. The

TCEQ agency has an opportunity to do the right thing and mandate the water be used in a logical manner not including natural water ways. I do not want this water dumped into a natural water way which leads to Bastrop Bayou. Treated water should not be allowed in any Texas water way.

## Lori Rowe

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 4, 2022 7:36 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: [EXTERNAL] TCEQ TPDES draft permit no. WQ0016046001 CID# 126449

**From:** Georgia Carroll-Warren <Georgia.Carroll-Warren@tceq.texas.gov>  
**Sent:** Friday, April 1, 2022 2:00 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** FW: [EXTERNAL] TCEQ TPDES draft permit no. WQ0016046001 CID# 126449

**From:** Georgia Carroll-Warren <Georgia.Carroll-Warren@tceq.texas.gov>  
**Sent:** Friday, April 1, 2022 1:55 PM  
**To:** Firoj Vahora <firoj.vahora@tceq.texas.gov>  
**Cc:** [thirdcoastbulkheads@gmail.com](mailto:thirdcoastbulkheads@gmail.com); Krishna Winston <Krishna.Winston@tceq.texas.gov>; Peter Schaefer <peter.schaefer@tceq.texas.gov>  
**Subject:** RE: [EXTERNAL] TCEQ TPDES draft permit no. WQ0016046001 CID# 126449

Good Afternoon Firoj:

Confirmation of receipt. Thank you. Georgia

**From:** Firoj Vahora <firoj.vahora@tceq.texas.gov>  
**Sent:** Friday, April 1, 2022 1:49 PM  
**To:** Georgia Carroll-Warren <Georgia.Carroll-Warren@tceq.texas.gov>  
**Cc:** [thirdcoastbulkheads@gmail.com](mailto:thirdcoastbulkheads@gmail.com); Firoj Vahora <firoj.vahora@tceq.texas.gov>; Krishna Winston <Krishna.Winston@tceq.texas.gov>; Peter Schaefer <peter.schaefer@tceq.texas.gov>  
**Subject:** FW: [EXTERNAL] TCEQ TPDES draft permit no. WQ0016046001

Hello Georgia:

According to the Commissioners' Integrated Database, the NAPD was mailed 03/16/2022. As it appears that Mr. Durham is making comment for the record. Would you please see his e-mail at the thread of this e-mail. Of course, at the end of the comment period, if there is no public meeting, we will provide written response to comment (RTC). If we have any public meeting, we will wait for additional comments on the record and compile all comments and provide one response to all the commentators on the record.

**Report Results 1 of 1**

<b>Applicant/Respondent Name, TCEQ Customer Number:</b> UNDINE TEXAS ENVIRONMENTAL LLC, CN604519330	<b>Status:</b> ACTIVE <b>Item Type:</b> NEW	
<b>Regulated Entity Name, Regulated Entity Number:</b> RESERVE AT ANGLETON WWTP, RN111343471		
<b>TCEQ Docket Num:</b> <b>SOAH Docket Num:</b> <b>County, TCEQ Region:</b> BRAZORIA, REGION 12 - HOUSTON  <b>Doc. Type:</b> PERMIT	<b>Program:</b> WWPERMIT P W	
<b>Protestant Information</b> Note: Allow up to five or more business days after the end of the comment period for comments or hearing requests to be included in <b>Comments Received: 0 Hearing Requests Received: 1 Public Meetings Received: 1</b>		
13 Activity Actions found. <a href="#">Display all Activity Actions</a>		
<b>Activity Action List:</b>		
<b>Date</b>	<b>Document Type</b>	<b>Action</b>
03/16/2022	<u>NOTICE - PRELIM DECISION</u>	MAILED
03/14/2022	FILE	RECEIVE
02/11/2022	NOTICE OF RECEIPT/INTENT	COMPLE
02/11/2022	BILINGUAL VERIFICATION	RECEIVE
02/04/2022	<u>LETTER</u>	SENT TO

I am keeping Krishna Winston, permit writer in the loop so he will be working on RTC. It is premature for us to offer any written response but Mr. Durham will get our response in writing. If he has requested public hearing or public meeting, he will get additional response form the Executive Director staff.

Thanks,

Firoj Vahora, Team Leader  
Municipal Permits Team (MC 148)



Wastewater Permitting Section  
Water Quality Division, TCEQ  
email: [firoj.vahora@tceq.texas.gov](mailto:firoj.vahora@tceq.texas.gov)  
phone: 512-239-4540

Please consider whether it is necessary to print this e-mail

How is our Customer Service? Fill out our online customer satisfactory survey at  
[www.tceq.texas.gov/customersurvey](http://www.tceq.texas.gov/customersurvey)

Note for Mr. Durham: I am referring your e-mail to Georgia Carroll-Warren, Team Leader, Notice Team, Office of Chief Clerk. If you or your neighbors have any additional comments, please let her office know.

Thanks,

**From:** Peter Schaefer <[peter.schaefer@tceq.texas.gov](mailto:peter.schaefer@tceq.texas.gov)>  
**Sent:** Friday, April 1, 2022 1:29 PM  
**To:** [thirdcoastbulkheads@gmail.com](mailto:thirdcoastbulkheads@gmail.com)  
**Cc:** Krishna Winston <[Krishna.Winston@tceq.texas.gov](mailto:Krishna.Winston@tceq.texas.gov)>; Firoj Vahora <[firoj.vahora@tceq.texas.gov](mailto:firoj.vahora@tceq.texas.gov)>  
**Subject:** FW: [EXTERNAL] TCEQ TPDES draft permit no. WQ0016046001

Mr. Durham,

I received your inquiry regarding draft permit wastewater permit no. WQ0016046001. I've attached information that explains how to submit comments that will officially become part of the record and will be considered by TCEQ before issuance of the permit. There is also information that explains how to request a contested case hearing if you should choose to do so.

I've cc'ed the permit writer Krishna Winston and her team leader Firoj Vahora so they are aware of this inquiry. I generally understand your concern and am happy to discuss these further over a phone call, but in order to get your concerns officially entered into the record, please follow the instructions on the attached document.

Thanks,

Peter

**Peter Schaefer, Team Leader**  
Standards Implementation Team (MC 150)  
Water Quality Assessment Section  
Water Quality Division, TCEQ  
email: [peter.schaefer@tceq.texas.gov](mailto:peter.schaefer@tceq.texas.gov)  
phone: 512-239-4372  
fax: 512-239-4420

**From:** Allison Buchtien <[Allison.Buchtien@GLO.TEXAS.GOV](mailto:Allison.Buchtien@GLO.TEXAS.GOV)>  
**Sent:** Friday, April 1, 2022 10:49 AM  
**To:** Peter Schaefer <[peter.schaefer@tceq.texas.gov](mailto:peter.schaefer@tceq.texas.gov)>  
**Subject:** FW: [EXTERNAL] TCEQ

Peter,

I recommended for Mr. Durham to contact TCEQ regarding this issue. Just wanted to let you know.

Allison Buchtien

Permit Service Center-Galveston  
409.741.4057

**From:** Michael Durham <[thirdcoastbulkheads@gmail.com](mailto:thirdcoastbulkheads@gmail.com)>  
**Sent:** Friday, April 1, 2022 10:44 AM  
**To:** Allison Buchtien <[Allison.Buchtien@GLO.TEXAS.GOV](mailto:Allison.Buchtien@GLO.TEXAS.GOV)>  
**Subject:** Re: [EXTERNAL] TCEQ

Allison,

Thank you for you response. Being as this project will directly effect a waterway of which your entity governs, wouldn't you guys have a say so in any of this?

It would be like a neighbor of mine directly pumping their septic into the waterway.

Ultimately, I believe this project will take place on navigable water.

Hope this helps.

Best Regards,

Michael W. Durham  
Thirdcoastbulkheads LLC

On Fri, Apr 1, 2022, 10:41 AM Allison Buchtien <[Allison.Buchtien@glo.texas.gov](mailto:Allison.Buchtien@glo.texas.gov)> wrote:

You should contact TCEQ. I don't know anything about this. Here is the link to their contact info:  
[https://www.tceq.texas.gov/permitting/401certification/401certification\\_contact.html](https://www.tceq.texas.gov/permitting/401certification/401certification_contact.html)

Allison Buchtien

Permit Service Center-Galveston

409.741.4057

**From:** Michael Durham <[thirdcoastbulkheads@gmail.com](mailto:thirdcoastbulkheads@gmail.com)>  
**Sent:** Friday, April 1, 2022 8:16 AM  
**To:** Allison Buchtien <[Allison.Buchtien@GLO.TEXAS.GOV](mailto:Allison.Buchtien@GLO.TEXAS.GOV)>  
**Subject:** [EXTERNAL] TCEQ

Allison,



Does your entity ever have to deal with TCEQ? Do they ever have to get approval from you guys on proposed projects to be discharged in Texas waterways? This is in regards to TCEQ permit number WQ0016046001 for your information.

Reason for me asking is because TCEQ is proposing to discharge around 250,000 gallons of "clean" waste water a day into the local waterway of which I reside. **This is not natural to our ecosystem.** I continually hear that treated wastewater is also safe to drink. That means water from all these aerobic septic, you can drink from once it goes through its cycle and properly treated. The question is, have you ever seen anyone from TCEQ do this? NO, and they won't. That brings the question up of what happens when the system fails to treat its wastes and it pumps 250,000 gallons a day of non-treated water into this ecosystem? You see where I am going with this.

Who would I have to talk to about this for my voice to be heard and put a halt to this project? Is there an environmental health department we can speak to about this as well, and get them on board with this?

I am sorry the last few emails from me have been beyond the topic of construction on waterways, but as you see, I care about our environment.

Please help with what you can, and hopefully my one voice can be heard!

Best Regards,

Michael W. Durham

Thirdcoastbulkheads LLC

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CAUTION: This email originated from OUTSIDE of the Texas General Land Office. Links or attachments may be dangerous. Please be careful clicking on any links or opening any attachments.

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 21, 2022 10:53 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** Stephanye.durham@gmail.com <Stephanye.durham@gmail.com>  
**Sent:** Thursday, April 21, 2022 10:14 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Stephanye Durham

**EMAIL:** [Stephanye.durham@gmail.com](mailto:Stephanye.durham@gmail.com)

**COMPANY:**

**ADDRESS:** 2827 BAYOU DR  
ANGLETON TX 77515-9127

**PHONE:** 8322873120

**FAX:**

**COMMENTS:** I request a public meeting

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 21, 2022 9:31 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** Stephanye.durham@gmail.com <Stephanye.durham@gmail.com>  
**Sent:** Wednesday, April 20, 2022 6:24 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Stephanye Durham

**EMAIL:** [Stephanye.durham@gmail.com](mailto:Stephanye.durham@gmail.com)

**COMPANY:**

**ADDRESS:** 2827 BAYOU DR  
ANGLETON TX 77515-9127

**PHONE:** 8322873120

**FAX:**

**COMMENTS:** I request a public meeting

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 9:22 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** Fduval\_99@yahoo.com <Fduval\_99@yahoo.com>  
**Sent:** Sunday, April 17, 2022 8:59 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MRS Felecia Duval

**EMAIL:** [Fduval\\_99@yahoo.com](mailto:Fduval_99@yahoo.com)

**COMPANY:**

**ADDRESS:** 2535 BAYOU DR  
ANGLETON TX 77515-9121

**PHONE:** 3614638455

**FAX:**

**COMMENTS:** My husband and I are strictly against the dumping of waste water in Bastrop Bayou as it is a source of recreational fishing and water sports for our little community. After Harvey we were required to get tetanus shots during the cleanup of our property due to septic systems having drained into the bayou. This would be a catastrophic event should this become the norm for our area. In this day and time it is unthinkable that the State would condone the dumping of waste into a water source that is the home to numerous species of fish, birds, reptiles and plant life. In a

time that the world is looking at preserving our wildlife and ecosystem it is shameful that this would be allowed. We are requesting a hearing so we can be heard and our opinions be taken into consideration.

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 14, 2022 8:33 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** Fduval\_99@yahoo.com <Fduval\_99@yahoo.com>  
**Sent:** Wednesday, April 13, 2022 8:33 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MRS Felecia Duval

**EMAIL:** [Fduval\\_99@yahoo.com](mailto:Fduval_99@yahoo.com)

**COMPANY:**

**ADDRESS:** 2535 BAYOU DR  
ANGLETON TX 77515-9121

**PHONE:** 3614638455

**FAX:**

**COMMENTS:** My husband and I are strictly against the dumping of waste water in Bastrop Bayou as it is a source of recreational fishing and water sports for our little community. After Harvey we were required to get tetanus shots during the cleanup of our property due to septic systems having drained into the bayou. This would be a catastrophic event should this become the norm for our area. In this day and time it is unthinkable that the State would condone the dumping of waste into a water source that is the home to numerous species of fish, birds, reptiles and plant life. In a

time that the world is looking at preserving our wildlife and ecosystem it is shameful that this would be allowed. We are requesting a hearing so we can be heard and our opinions be taken into consideration.

## Vander Gold

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 1:22 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

RFR

---

**From:** Rory0820@gmail.com <Rory0820@gmail.com>  
**Sent:** Friday, December 16, 2022 9:38 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Rodrigo Escalante

**EMAIL:** [Rory0820@gmail.com](mailto:Rory0820@gmail.com)

**COMPANY:**

**ADDRESS:** 2918 OAKWOOD SHORES DR  
RICHWOOD TX 77515-7096

**PHONE:** 5127628822

**FAX:**

**COMMENTS:** I respectfully submit my opposition to the approval of Permit Application No. W00016046001, submitted by Undine Texas Environmental LLC. I urge the Executive Director's decision to be reconsidered based upon the following reasons: • Bastrop Bayou's ecology would be adversely effected with the influx of more frshwater. • the bayou is a focal point of our community that is used for both recreational use and sport fishing • Undine has not presented a secondary solution to the table • this permit has not been posted in Spanish for the community. This proposed permits



falls within the jurisdiction of the Brazosport Independent School District (BISD) that has an active English as a second language (ESL) program. Therefore, public posting in Spanish must be displayed for public notification. To my knowledge, this has not occurred and could lead to potential issues.

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Wednesday, April 6, 2022 9:13 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** Rory0820@gmail.com <Rory0820@gmail.com>  
**Sent:** Tuesday, April 5, 2022 9:46 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Rodrigo Escalante

**EMAIL:** [Rory0820@gmail.com](mailto:Rory0820@gmail.com)

**COMPANY:**

**ADDRESS:** 2918 OAKWOOD SHORES DR  
RICHWOOD TX 77515-7096

**PHONE:** 5127628822

**FAX:**

**COMMENTS:** I request a public hearing on the discharge of the "clean" water into Bastrop Bayou.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Wednesday, April 6, 2022 9:14 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** sherriefelder@gmail.com <sherriefelder@gmail.com>  
**Sent:** Tuesday, April 5, 2022 9:26 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Sherrie Felder

**EMAIL:** [sherriefelder@gmail.com](mailto:sherriefelder@gmail.com)

**COMPANY:**

**ADDRESS:** 32 TROUT LN  
FREEPORT TX 77541-7914

**PHONE:** 9792181274

**FAX:**

**COMMENTS:** We do not want any unclean water dumped in our bayou. We want a hearing in this matter.

## Vander Gold

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 4:43 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** Bastrop Bayou Contested Case Hearing letter.docx

H

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**From:** dsfitze@gmail.com <dsfitze@gmail.com>  
**Sent:** Friday, December 16, 2022 4:12 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Dana Sue Fitze

**EMAIL:** [dsfitze@gmail.com](mailto:dsfitze@gmail.com)

**COMPANY:**

**ADDRESS:** 504 EDGEWATER ST  
RICHWOOD TX 77531-2021

**PHONE:** 9063622473

**FAX:**

**COMMENTS:** Attached please find a letter from John and Dana Fitze requesting a Contested Case Hearing for Permit# WQ0016046001 that would allow the Undine Texas Environmental, LLC company to dump sewage into the Bastrop Bayou. I am copying that letter here in case it does not go through otherwise. December 16, 2022 FROM: John and Dana Fitze, 504 Edgewater St., Richwood, TX 77531 TO: Executive Director, Texas Commission on Environmental Quality RE:

Undine Texas Environmental, LLC Permit #WQ0016046001 This letter is to request a Contested Case Hearing for the approved permit that will allow the dumping of waste water from a proposed mobile home park into the Bastrop Bayou. The Applicant is Undine Texas Environmental, LLC. The Permit # is WQ0016046001. We live in the Havenwood Subdivision, County Road 710, which is along the Bastrop Bayou next to 288B. We live across the road from the Bayou, but our daughter's family lives just down from us and right on the Bayou. Our properties are just a few miles south of the proposed facility and not far upstream from the place the sewage would enter the Bayou. As of now, we enjoy the Bayou for many recreational activities such as fishing, swimming, boating, kayaking and wildlife watching. The dumping of sewage into this body of water will change the lives of, not only all the people that live along it, but the fish and wildlife whose life source is the bayou. The children will no longer be allowed to swim. We definitely will not want to fish or eat anything from there, if there is even anything left alive worth fishing for. Once the Bayou becomes a sewage canal and is dead, our property values will plummet. Would you want to buy a house on a sewage canal? We feel this permit was not publicized nor researched enough prior to its approval. Also, that it does not reflect the accurate amount of flowage that will be added to the Bayou at the permit stated amount of 250,000 gallons a day. At the public meeting, we were told that there could be as much as a million gallons a day in overflow situations, which for all we know will be every day. In 2017, we came within a few inches of floodwaters reaching our house and this extra flowage will definitely put us at higher risk. I believe you should consider the high costs the existing tax-paying citizens will be hit with before you allow a now non-existent entity to ruin a now-existing beautiful Bayou and all that it supports. John and Dana Fitze

December 16, 2022

FROM: John and Dana Fitze, 504 Edgewater St., Richwood, TX 77531

TO: Executive Director, Texas Commission on Environmental Quality

RE: Undine Texas Environmental, LLC Permit #WQ0016046001

This letter is to request a Contested Case Hearing for the approved permit that will allow the dumping of waste water from a proposed mobile home park into the Bastrop Bayou. The Applicant is Undine Texas Environmental, LLC. The Permit # is WQ0016046001.

We live in the Havenwood Subdivision, County Road 710, which is along the Bastrop Bayou next to 288B. We live across the road from the Bayou, but our daughter's family lives just down from us and right on the Bayou. Our properties are just a few miles south of the proposed facility and not far upstream from the place the sewage would enter the Bayou. As of now, we enjoy the Bayou for many recreational activities such as fishing, swimming, boating, kayaking and wildlife watching. The dumping of sewage into this body of water will change the lives of, not only all the people that live along it, but the fish and wildlife whose life source is the bayou. The children will no longer be allowed to swim. We definitely will not want to fish or eat anything from there, if there is even anything left alive worth fishing for. Once the Bayou becomes a sewage canal and is dead, our property values will plummet. Would you want to buy a house on a sewage canal?

We feel this permit was not publicized nor researched enough prior to its approval. Also, that it does not reflect the accurate amount of flowage that will be added to the Bayou at the permit stated amount of 250,000 gallons a day. At the public meeting, we were told that there could be as much as a million gallons a day in overflow situations, which for all we know will be every day. In 2017, we came within a few inches of floodwaters reaching our house and this extra flowage will definitely put us at higher risk. I believe you should consider the high costs the existing tax-paying citizens will be hit with before you allow a now non-existent entity to ruin a now-existing beautiful Bayou and all that it supports.

John and Dana Fitze

23

**TCEQ Public Meeting Form  
July 28, 2022**

**Undine Texas Environmental, LLC  
New TPDES Permit for Municipal Wastewater  
Permit No. WQ0016046001**

*PLEASE PRINT*

Name: Dana Fitze

Mailing Address: 504 Edgewater St.

Physical Address (if different): \_\_\_\_\_

City/State: Clute TX Zip: 77531

**\*\*This information is subject to public disclosure under the Texas Public Information Act\*\***

Email: dsfitze@gmail.com

Phone Number: 906-362-2473

• Are you here today representing a municipality, legislator, agency, or group?  Yes  No  
If yes, which one? \_\_\_\_\_

Please add me to the mailing list.

I wish to provide formal *ORAL COMMENTS* at tonight's public meeting.

I wish to provide formal *WRITTEN COMMENTS* at tonight's public meeting.

(Written comments may be submitted at any time during the meeting)  
Please give this form to the person at the information table. Thank you.

**Interested Person**

Number 250569

Request Received Date 04/06/2022

Last Polling Date

Legislator

**Comment**

**Individual**

Concerned Citizen Last Name FOSSATI Suffix  Prefix  First Name SHERRI  
Middle Name  Title   
Organization   **More**

**Address**

Building/Mail Drop   Interagency  Valid

**Detail**  
Street/PO Box 1259 FAIRWAY DR   
City ANGLETON State TX Zip 77515 - 8710  
Country UNITED STATES Foreign Postal Code   **More**

**Phone Number/Email ID**

**Phone**  
Country Code  Area Code 832 Number 8149229 Extension  Updated 04/06/2022

**Fax**  
Country Code  Area Code  Number  Extension  Updated

**Email ID**  
sherri.fossati@hotmail.com Updated 04/19/2022

- [Additional IDs](#)
- [Counties](#)
- [Principals](#)
- [Regulated Entities](#)
- [Items](#)





**Interested Person**

**Number** 250569      **Organization**

**Name** FOSSATI, SHERRI

**Title**

**Items**

Active	Number	Program	ID Type	Additional ID	Principal
*	126449	WWPERMIT	PERMIT	WQ0016046001	UNDINE TEXAS ENVIRONMENTAL LLC

**Actions**

Com	Doc	Date	Time	Type	Delivery	Acknowledgement Date
*		2022-12-14	12.07	HEARING REQUEST ENGLISH	ECOMMENT	
		2022-07-28	18.00	COMMENT - ORAL ENGLISH	ATTEND PM	
*	*	2022-04-23	15.31	PUBLIC MEETING - REQ ENG	ECOMM PETI	
*		2022-04-19	12.43	PUBLIC MEETING - REQ ENG	ECOMMENT	
*		2022-04-06	19.00	HEARING REQUEST ENGLISH	ECOMMENT	



Delivery Method

Type

Date  Time   AM  PM

Acknowledgment Date

## TCEQ Commissioners' Integrated Database - Comment Detail

 [Back to Report Result 1 - 5](#)

I request a contested case hearing. I am an affected person. I live on Bastrop Bayou approximately 1 mile from the FM523 bridge. My property lines 375 feet on the bayou. I made several comments during the hearing. One concern my husband and I have is the quality of the water. In the hearing it was brought to our attention the proposed plant could potentially drop close to 1 million gallons of water daily into the drainage area that feeds into the bayou. The permit states 250,000 gallons which in itself is unreasonable, but potentially 1 million is inconceivable. Our bayou is home. We live and fish here. The fish we catch is our dinner. One million gallons of treated water will adjust the salinity of the water in our area killing or driving out the fish we eat - flounder, redfish, trout and crabs.

Secondly, my family swims in this water. We have people water ski in the bayou. Undine currently has at least seven pending violation matters in other waterways. I have no faith they will maintain this plant any better than the others. I will never trust the water if they are allowed to build their facility. Who will monitor the facility? I was told they will. That's a joke, really. They certainly will not report any violations. Why would they? They are not concerned about us. Who will guarantee no bacteria growth will occur? You cannot say it won't happen. The only way to guarantee no incidents are to not allow Undine to build the plant. The system will fail. That will affect us - not them.

Third, our property value will go down. This will affect us financially.

Fourth, there is a wildlife preserve which lines a large portion of the bayou. If fish are affected, birds will be affected. We have gators that will be affected.

Please protect our bayou. Please help us keep it clean. Undine can put in septic systems just like my husband and I, and all our neighbors, had to do. They are for profit. They don't care about the bayou, they just want to make money. I'm all for growth and making money, but NOT AT THE EXPENSE OF OUR WATERWAYS.

Thank you.

---

**Related Links:**

- |                                  |                                       |   |  |                                 |   |                               |   |                                |
|----------------------------------|---------------------------------------|---|--|---------------------------------|---|-------------------------------|---|--------------------------------|
| <a href="#">Central Registry</a> | <a href="#">Commissioners' Agenda</a> | <a href="#">Executive Director's Agenda</a> | <a href="#">Commission Issued Orders</a> | <a href="#">Public Meetings</a> | <a href="#">State Office of Administrative Hearings </a> | <a href="#">Public Notice</a> | <a href="#">Comment Online on Pending Permit Applications</a> | <a href="#">File documents</a> |
|----------------------------------|---------------------------------------|---|--|---------------------------------|---|-------------------------------|---|--------------------------------|

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

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 7, 2022 8:04 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** Sherri.fossati@hotmail.com <Sherri.fossati@hotmail.com>  
**Sent:** Wednesday, April 6, 2022 7:01 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Sherri Fossati

**EMAIL:** [Sherri.fossati@hotmail.com](mailto:Sherri.fossati@hotmail.com)

**COMPANY:**

**ADDRESS:** 1259 FAIRWAY DR  
ANGLETON TX 77515-8710

**PHONE:** 8328149229

**FAX:**

**COMMENTS:** No dumping in our bayou. I live here. I swim here. I eat the fish I catch here!! I'd like to request a hearing.

Would a sprinkler system allow water into ditch?  
that option is there - why

19

**TCEQ Public Meeting Form  
July 28, 2022**

**Undine Texas Environmental, LLC  
New TPDES Permit for Municipal Wastewater  
Permit No. WQ0016046001**

PLEASE PRINT

Name: <sup>19</sup> David + Sherri Fossati

Mailing Address: 1259 Fairway Dr., Angleton, TX 77515

Physical Address (if different): \_\_\_\_\_

City/State: Angleton, TX Zip: 77515

**\*\*This information is subject to public disclosure under the Texas Public Information Act\*\***

Email: Sherri.fossati@hotmail.com

Phone Number: 832-814-9229

• Are you here today representing a municipality, legislator, agency, or group?  Yes  No  
If yes, which one? The Bayou

Please add me to the mailing list.

I wish to provide formal **ORAL COMMENTS** at tonight's public meeting.

I wish to provide formal **WRITTEN COMMENTS** at tonight's public meeting.

(Written comments may be submitted at any time during the meeting)  
**Please give this form to the person at the information table. Thank you.**

- jennifer.jamison@TCEQ.Texas.gov

- why is a business being considered to allow water from treatment plant into the ditch leading to bayou when current landowners are required to permit and cannot have water go to bayou?

from our systems

RECEIVED

JUL 28 2022

AT PUBLIC MEETING

- How many violations at current Undine locations?

- I recommend Undine be required to have septic system at their location just as current Brazoria Co. residents.

- They are a for profit business they should include ~~thousands~~ funds for sprinkler system in their budget. ~~you would~~

landowners, you being in the p

I can't understand you are for profit, but why are you not receiving any money from that profit, but why are you not receiving

a sprinkler system? which is better for environment?

through a ditch is putting effluent in a ditch less expensive than

## Lori Rowe

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**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, April 19, 2022 1:59 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** sherri.fossati@hotmail.com <sherri.fossati@hotmail.com>  
**Sent:** Tuesday, April 19, 2022 12:44 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MRS Sherri Fossati

**EMAIL:** [sherri.fossati@hotmail.com](mailto:sherri.fossati@hotmail.com)

**COMPANY:**

**ADDRESS:** 1259 FAIRWAY DR  
ANGLETON TX 77515-8710

**PHONE:** 8328149229

**FAX:**

**COMMENTS:** I want to request a meeting on this permit application. I live on Bastrop Bayou - it is my front yard. I am concerned about the quality of the water and how it will be affected if a private water treatment facility is allowed to dump water for their own use into this estuary. Just last week we saw a legal redfish in our green light, and my husband has recently caught two legal flounder. This only happens because of the natural tide flow in and out of the bayou. If fresh water is injected into our bayou, this will change everything. There will be no more redfish, or flounder, or any

other aquatic life that requires salt water. We also have a protected grass that grows at our bulkhead. It will not survive freshwater. Not only the fish, but the other consideration is people. This bayou has become a recreational bayou. We have watched the boat and sporting traffic increase steadily over the last few years. Just this past weekend, we had 6 different water craft (boats and jet skiis) pass by our property in a matter of one hour. One of the boats was pulling kids on the back who were riding on a flotation device. KIDS in this water. If a water treatment plant is allowed to inject "clean" water into the bayou, I feel certain something will happen not only to remove the salt water that now comes in, but also to the quality of water. Undine has several violations on record with their other facilities. This tells me they will have violations at this facility as well. What happens when there is a raw sewage leak? My front yard is my front yard. I don't want raw sewage there or anywhere around me. I was required to put in a septic system on my property. Why shouldn't they be required to do the same? Additionally, please refer to Bastrop Bayou Watershed Protection Plan prepared by Houston-Galveston Area Council. The Executive Summary begins with Growing Concerns expressed by local citizens. In particular, on the very first page, it discusses in 2004 citizens were concerned about malfunctioning on-site sewage facilities, illegal dumping, and contamination from storm water discharges. Primarily concerned about bacteria. Page 2 states Bastrop Bayou and its main tributaries "did not contain elevated concentration of bacteria that exceeded the State of Texas standards." But continues "However, several potential sources of bacteria are present within the watershed." This report was completed a few years ago, but clearly shows Bastrop Bayou cannot stand to have any additional sources of runoff or injections of foreign water. We have to keep our water sources as clean as possible. Allowing a water treatment facility to push 250,000 gallons of water a day, week, or month will overload the natural system and will kill what we have. It would be incredibly costly, and probably impossible to remediate any damage caused by Undine when a leakage occurs. Please consider this! All of this is for one person (or maybe a small group or people) to profit - at the expense of those who call Bastrop Bayou home. I strongly oppose this permit request and hope to be heard.



**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 9:30 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** Garry.m.Gann49@gmail.com <Garry.m.Gann49@gmail.com>  
**Sent:** Saturday, April 16, 2022 10:34 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Garry Gann

**EMAIL:** [Garry.m.Gann49@gmail.com](mailto:Garry.m.Gann49@gmail.com)

**COMPANY:**

**ADDRESS:** 395 REDFISH DR  
FREEPORT TX 77541-7995

**PHONE:** 9792362993

**FAX:**

**COMMENTS:** Dear Sir or Madam: I'm requesting a public hearing on this to get a better understanding on how this affects the area I live and what dangers it affects the fish life. Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou living at YOUR

ADDRESS, Freeport, TX 77541, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application.

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 9:37 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** Garry.m.gann49@gmail.com <Garry.m.gann49@gmail.com>  
**Sent:** Friday, April 15, 2022 1:46 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER: RN111343471**

**PERMIT NUMBER: WQ0016046001**

**DOCKET NUMBER:**

**COUNTY: BRAZORIA**

**PRINCIPAL NAME: UNDINE TEXAS ENVIRONMENTAL LLC**

**CN NUMBER: CN604519330**

**FROM**

**NAME: Garry Gann**

**EMAIL: [Garry.m.gann49@gmail.com](mailto:Garry.m.gann49@gmail.com)**

**COMPANY:**

**ADDRESS: 395 REDFISH DR  
FREEPORT TX 77541-7995**

**PHONE: 9792362993**

**FAX:**

**COMMENTS:** Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou living at YOUR ADDRESS, Freeport, TX 77541, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this

brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application.

## Vander Gold

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 4:38 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

---

**From:** rhondaharley74@yahoo.com <rhondaharley74@yahoo.com>  
**Sent:** Friday, December 16, 2022 3:42 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MRS Rhonda Harley

**EMAIL:** [rhondaharley74@yahoo.com](mailto:rhondaharley74@yahoo.com)

**COMPANY:**

**ADDRESS:** 2731 BAYOU DR  
ANGLETON TX 77515-9125

**PHONE:** 9792482232

**FAX:**

**COMMENTS:** Stanley and Rhonda Harley's Contested Case Hearing Letter December 2022 DATE: TO: Executive Director Texas Commission on Environmental Quality RE: Undine Texas Environmental, LLC, permit number WQ0016046001 Please accept this as our request for a Contested Case Hearing for Stanley and Rhonda Harley: Applicant: Undine Texas Environmental, LLC, permit number WQ0016046001. Not only will my husband and I be personally affected, but also our children, and grandchildren. My husband and I purchased land on the bayou around 12 years ago in hopes that one

day we would have a home there and retire and spend our days fishing, boating, tubing, waterskiing and also share all these memories with our 5 adult children and their spouses and our 8 grandchildren. In 2021 our dream came true and we now have that home on the bayou. This project going forward will affect our lives in so many ways, too many reasons to list because I have to stick to certain subjects. a. Health. Emotional stresses, contaminated fish and crabs, swimming and tubing could cause medical issues. b. Finances. In the future when we might have to sell our home to move to a nursing home or wherever we will never be able to recoup our money because no one will want to live on the bayou if it is contaminated. c. Flooding. Our previous home flooded in 2017 when Hurricane Harvey came ashore. If you have never had a home flood then you cannot understand the devastation this can cause, Sometimes if we have a high tide and three days of rainfall the docks on the bayou will be underwater. The dumping of 250,000 gallons of waste water or more a day into the bayou will create a perfect storm for flooding. d. Water quality. Poor water quality will affect all categories listed above. e. Wildlife. A contaminated bayou cannot support the aquatic life used to feed the birds and our 4-legged creatures. My home sits across the bayou from the Brazoria County Wildlife refuge where there are so many species of birds that will be affected. I feel the permit as written was neither accurate nor complete. Proper notice of effluents to be discharged was written as 250,000 gallons. At the public meeting we were told the discharge could be four times that. Stanley and Rhonda Harley 2731 Bayou Drive, Angleton, TX 77515. 979-248-2232

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 11, 2022 8:57 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** rhondaharley74@yahoo.com <rhondaharley74@yahoo.com>  
**Sent:** Sunday, April 10, 2022 6:46 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MRS Rhonda Harley

**EMAIL:** [rhondaharley74@yahoo.com](mailto:rhondaharley74@yahoo.com)

**COMPANY:**

**ADDRESS:** 2731 BAYOU DR  
ANGLETON TX 77515-9125

**PHONE:** 9792482232

**FAX:**

**COMMENTS:** My husband and I are requesting a hearing regarding this matter. Our home is located on Bastrop Bayou and the dumping of the 250,000 gallons a day will definitely effect the bayou in a negative way. The fishing will be ruined and that is one of the reasons we bought a home in this location. There are plenty of other water ways in Brazoria County to dump in and that would be much closer than piping that water for miles. We already have the Brazoria County Landfill breathing down our necks. We do not need anymore toxins in our neighborhood.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, April 12, 2022 11:12 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** rhondaharley74@yahoo.com <rhondaharley74@yahoo.com>  
**Sent:** Tuesday, April 12, 2022 9:47 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MRS Rhonda Harley

**EMAIL:** [rhondaharley74@yahoo.com](mailto:rhondaharley74@yahoo.com)

**COMPANY:**

**ADDRESS:** 2731 BAYOU DR  
ANGLETON TX 77515-9125

**PHONE:** 9792482232

**FAX:**

**COMMENTS:** I would like to request a public meeting regarding this matter. Thank you for your attention to this matter.



## Vander Gold

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 4:36 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** scooter6888@yahoo.com <scooter6888@yahoo.com>  
**Sent:** Friday, December 16, 2022 3:32 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MR Gregory A. Hawkins, JR

**EMAIL:** [scooter6888@yahoo.com](mailto:scooter6888@yahoo.com)

**COMPANY:**

**ADDRESS:** 114 DUDD ST  
ANGLETON TX 77515-8380

**PHONE:** 9792488339

**FAX:**

**COMMENTS:** Please accept this as my personal request for a contested case hearing regarding undine Texas environmental LLC tceq permit number WQ0016046001. I live and own property along bastrop bayou and would be directly effected by the approval of a facility run by a company like undine releasing its treated wastewater into bastrop bayou. I have spent a majority of my childhood living on the waters of bastrop bayou, and worked very hard to now provide my family with the same opportunity to grow up the way I have, enjoying and living on this bayou. Such an influx

of wastewater will directly effect us and many others in many ways. Our health is subject to being effected because we swim, fish, and use these waters as a source of food. Financially we could see an impact due to having to replace the protein we acquired from these waters with store bought goods, or from the cost of repairs do to flood damage which we have narrowly avoided in the past(the added water flow to an already overwhelmed watershed will surely change this). An additional influence of wastewater to this bayou is guaranteed to effect the water quality along this very sensitive ecosystem which will in turn directly effect the abundance of wildlife as well as the vegetation found in the area and connected bay systems. I feel like taking an issue such as this permit lightly would essentially be a slap in the face to myself, my family, many of our neighbors, friends and vast community members that also share the love for our bayou, not to mention the unique ecosystem that would take a direct blow.

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Wednesday, April 6, 2022 9:15 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** Scooter6888@yahoo.com <Scooter6888@yahoo.com>  
**Sent:** Tuesday, April 5, 2022 11:33 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Gregory Hawkins, JR

**EMAIL:** [Scooter6888@yahoo.com](mailto:Scooter6888@yahoo.com)

**COMPANY:**

**ADDRESS:** 114 DUDD ST  
ANGLETON TX 77515-8380

**PHONE:** 9792488339

**FAX:**

**COMMENTS:** Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou living at 114 dudd st , I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this brackish water system, and as a

result, impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at 979-248-8339 or [scooter6888@yahoo.com](mailto:scooter6888@yahoo.com) if you have any questions. Sincerely, Gregory Hawkins Jr

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 22, 2022 4:02 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** scooter6888@yahoo.com <scooter6888@yahoo.com>  
**Sent:** Friday, April 22, 2022 2:49 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Gregory A. Hawkins

**EMAIL:** [scooter6888@yahoo.com](mailto:scooter6888@yahoo.com)

**COMPANY:**

**ADDRESS:** 114 DUDD ST  
ANGLETON TX 77515-8380

**PHONE:** 9792488339

**FAX:**

**COMMENTS:** I request a public meeting

## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, December 19, 2022 9:48 AM  
**To:** PUBCOMMENT-WQ; PUBCOMMENT-ELD; PUBCOMMENT-OCC2; PUBCOMMENT-OPIC  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** Request for Contested Case Hearing with Cover Letter2.docx

H

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**From:** lglamhawk@gmail.com <lglamhawk@gmail.com>  
**Sent:** Friday, December 16, 2022 7:39 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MRS Lori K Hawkins

**EMAIL:** [lglamhawk@gmail.com](mailto:lglamhawk@gmail.com)

**COMPANY:**

**ADDRESS:** 325 RIVERSIDE DR  
ANGLETON TX 77515-9111

**PHONE:** 9792151626

**FAX:**

**COMMENTS:** See attached word document.

Laurie Gharis  
Office of the Chief Clerk, MC 105  
TCEQ  
PO Box 13087  
Austin, TX 78711-3087

RE: TPDES Permit No. WQ0016046001

Dear Chief Clerk Gharis:

Our names are Lori and Greg Hawkins. We request a contested case hearing regarding TPDES Permit No. WQ0016046001 for Undine Texas Environmental, LLC. Our property is located at the following address: 325 Riverside Dr., Angleton, TX 77515 located directly on Bastrop Bayou where the proposed wastewater treatment plant will discharge.

We believe a contested case hearing is needed due to the following:

1. The constant outflow of chemically treated water would prevent the tidal saltwater inflow to go upstream and decrease the downstream salinity; destroying the nursery where shrimp and bait fish grow and supply a food source for the fish, crabs and coastal birds in our bayou. This is the start of the oceanic food chain. If one part of the ecosystem is destroyed, it will all eventually be destroyed. These chemicals will affect the fish and those who consume them if the fish are able to survive. And heaven forbid that this company is allowed to discharge one million gallons of wastewater per day, not to mention raw sewage when the plant fails. Undine has no plan for onsite monitoring as stated in the previous hearing. They plan to operate remotely from another state. Many millions of gallons of raw sewage would be discharged before anyone would even attempt to resolve the problem. Fines are just a slap on the wrist. They should not be allowed to destroy our natural resource. There will be no turning back because this will open the door for others to follow suit. Approving this permit is setting a precedent, not only for our bayou, but others as well.
2. The salinity of the bayou was greatly understudied. There would have to be a long term study that took samples at different depths at low and high tides over a long period of time. The study should include multiple daily samples over rainy and dry seasons to get a clear picture of how this bayou works. This is not freshwater runoff into the bay, it is an ecosystem.

We are affected because of the location of our property and because we use the affected waterways for the following purposes:

1. We fish an average of twice a week, so the trout, flounder, redfish and crabs that we harvest from Bastrop Bayou are a major part of our diet. This will cease to be the case due to the above stated concerns.
2. We swim and ski in the bayou, along with our parents, children and grandchildren who live on the bayou as well. It's a way of life for our family.
3. We live directly on Bastrop Bayou, not far from where the drainage ditch would be discharging the wastewater, so when this plant fails we will have raw sewage on our boat ramp and in our yard.

The proposed discharge would affect us in the following ways:

1. Approving this wastewater discharge would affect us financially, by having to purchase more food.
2. It will decrease our property value.
3. Constant discharge into the bayou would increase flooding with a major rain event.
4. Our health will be affected by the chemicals used to treat the water and the wastewater itself by causing our food source to be contaminated and on our actual bodies if we continue to swim and ski in the bayou.
5. Approving this permit will basically destroy the quality of life for us and our children. We have worked our whole lives paying for our little piece of heaven, not to mention the time and money we have invested to improve it. We have lived here for almost 25 years and invested blood, sweat and tears into this place. Please do not destroy it.

My contact information is below:

Name: Lori and Greg Hawkins

Address: 325 Riverside Dr,

Angleton, TX 77515

Daytime Phone Number: 979-215-1626 or 979-215-1025

Fax Number: N/A

Thank you for your time and for considering my request.

Sincerely,

Lori and Greg Hawkins and family



**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 25, 2022 8:53 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** lglamhawk@gmail.com <lglamhawk@gmail.com>  
**Sent:** Saturday, April 23, 2022 10:42 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Lori Hawkins

**EMAIL:** [lglamhawk@gmail.com](mailto:lglamhawk@gmail.com)

**COMPANY:**

**ADDRESS:** 325 RIVERSIDE DR  
ANGLETON TX 77515-9111

**PHONE:** 9792151626

**FAX:**

**COMMENTS:** I would like to request a public meeting.

**Vander Gold**

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**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, December 13, 2022 11:14 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

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**From:** Dwhenson@sbcglobal.net <Dwhenson@sbcglobal.net>  
**Sent:** Tuesday, December 13, 2022 8:58 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** David Wayne Henson

**EMAIL:** [Dwhenson@sbcglobal.net](mailto:Dwhenson@sbcglobal.net)

**COMPANY:**

**ADDRESS:** 25 W SOUTHFORK PINES CIR  
THE WOODLANDS TX 77381-2543

**PHONE:** 2814602395

**FAX:**

**COMMENTS:** DATE: 12/12/2022 TO: Executive Director Texas Commission on Environmental Quality RE: Undine Texas Environmental, LLC, permit number WQ0016046001 Please accept this as our request for a Contested Case Hearing for David & Stefanie Henson Applicant: Undine Texas Environmental, LLC, permit number WQ0016046001. Not only will my wife and I be personally affected, our children, grandchildren and friends will be affected also. We own the property about 2 miles from where the discharge will enter the bayou. The bayou has been my life for the past 60 years and my

wife's for 40 years. We fish, crab, swim, tube and ski, partake in the annual boat parade and Trash Bash, all between Highway 288 and Highway 288B all the way to the Gulf of Mexico, including the tidal portion of ditch 22. We have done our part to preserve the quality of the bayou for all these years and now you want to come in and dump wastewater into it. An unhealthy bayou due to reduced salinity and other contaminants can result in a dead or dying bayou it will affect our lives in the areas of health, finances, water quality, recreation, flooding and wildlife. For example: a. Health. Eating fish and crabs, swimming and skiing could cause medical issues. b. Finances. Medical, food and recreation costs would be effected. We would have to pay for recreation outside of the bayou and if we were to get ill we would incur medical expenses. c. Flooding. Any added water in a rain event can make the difference between a home flooding or not. This year we had 4 weeks of a bull tide. These tides caused water to be on or at the edge of our property. d. Water quality. Poor water quality will affect all categories listed above. e. Wildlife. A dead bayou cannot support the aquatic life used to feed the birds and our 4-legged creatures. I feel the permit as written was neither accurate nor complete. Proper notice of effluents to be discharged was written as 250,000 gallons. At the public meeting we were told the discharge could be four times that. David & Stefanie Henson 2921 Bayou Dr. (CR807A), Angleton, TX 77515. 281-460-2395

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 11:47 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

MWD  

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126449

PM

**From:** Dwhenson@sbcglobal.net <Dwhenson@sbcglobal.net>  
**Sent:** Monday, April 18, 2022 9:46 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** David Henson

**EMAIL:** [Dwhenson@sbcglobal.net](mailto:Dwhenson@sbcglobal.net)

**COMPANY:**

**ADDRESS:** 25 W SOUTHFORK PINES CIR  
SPRING TX 77381-2543

**PHONE:** 2814602395

**FAX:**

**COMMENTS:** I would like a public meeting

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 15, 2022 12:00 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** Dwhenson@sbcglobal.net <Dwhenson@sbcglobal.net>  
**Sent:** Friday, April 15, 2022 10:17 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME** RESERVE AT ANGLETON WWTP

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** David Henson

**EMAIL:** [Dwhenson@sbcglobal.net](mailto:Dwhenson@sbcglobal.net)

**COMPANY:**

**ADDRESS:** 25 W SOUTHFORK PINES CIR  
SPRING TX 77381-2543

**PHONE:** 2814602395

**FAX:**

**COMMENTS:** I would like a public meeting

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Wednesday, April 6, 2022 9:06 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

**From:** Dwhenson@sbcglobal.net <Dwhenson@sbcglobal.net>  
**Sent:** Tuesday, April 5, 2022 9:07 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME** RESERVE AT ANGLETON WWTP

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** David Henson

**EMAIL:** [Dwhenson@sbcglobal.net](mailto:Dwhenson@sbcglobal.net)

**COMPANY:**

**ADDRESS:** 25 W SOUTHFORK PINES CIR  
THE WOODLANDS TX 77381-2543

**PHONE:** 2814602395

**FAX:**

**COMMENTS:** We do not want this dumping into Bastrop bayou.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 8, 2022 10:09 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** wahookatcher@yahoo.com <wahookatcher@yahoo.com>  
**Sent:** Friday, April 8, 2022 9:48 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Cuthrell Shane Hicks

**EMAIL:** [wahookatcher@yahoo.com](mailto:wahookatcher@yahoo.com)

**COMPANY:**

**ADDRESS:** 1908 TRACY LYNN LN  
ALVIN TX 77511-3830

**PHONE:** 8323608172

**FAX:**

**COMMENTS:** Along with my previous comment, I request a public hearing on this issue.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 8, 2022 10:23 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** wahookatcher@yahoo.com <wahookatcher@yahoo.com>  
**Sent:** Thursday, April 7, 2022 7:06 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Cuthrell Shane Hicks

**EMAIL:** [wahookatcher@yahoo.com](mailto:wahookatcher@yahoo.com)

**COMPANY:**

**ADDRESS:** 1908 TRACY LYNN LN  
ALVIN TX 77511-3830

**PHONE:** 8323608172

**FAX:**

**COMMENTS:** Along with my previous comment, I request a public hearing on this issue.



**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 8, 2022 10:23 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

**From:** wahookatcher@yahoo.com <wahookatcher@yahoo.com>  
**Sent:** Thursday, April 7, 2022 7:03 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTITY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Cuthrell Shane Hicks

**EMAIL:** [wahookatcher@yahoo.com](mailto:wahookatcher@yahoo.com)

**COMPANY:**

**ADDRESS:** 1908 TRACY LYNN LN  
ALVIN TX 77511-3830

**PHONE:** 8323608172

**FAX:**

**COMMENTS:** I do not agree with dumping any type of wastewater into the public waterways. I read the article proposed and am against it. I own property on Bastrop Bayou and do not want it contaminated with "up to 250,000 gallons per day of clean wastewater." Please do not allow them to do this. Thank you and have a wonderful day.

## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 4:35 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** Request for Contested Case Hearing with Cover Letter2.pdf

eComment – comment  
Attachment - H

---

**From:** lholt49@gmail.com <lholt49@gmail.com>  
**Sent:** Friday, December 16, 2022 3:31 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Michael Holt

**EMAIL:** [lholt49@gmail.com](mailto:lholt49@gmail.com)

**COMPANY:**

**ADDRESS:** 1501 FAIRWAY DR  
ANGLETON TX 77515-9379

**PHONE:** 9792153200

**FAX:**

**COMMENTS:** I live on Bastrop Bayou and am very upset that discharge of human waste is acceptable to the TCEQ, especially having just spent the money on new aerobic septic system that had to be engineered just right before getting approval, why cannot Udine do the same rather than dumping in my backyard? Lee Holt 9792153200

Laurie Gharis  
Office of the Chief Clerk, MC 105  
TCEQ  
PO Box 13087  
Austin, TX 78711-3087

RE: TPDES Permit No. WQ0016046001

Dear Chief Clerk Gharis:

My name is Lee Holt. I request a contested case hearing regarding TPDES Permit No. WQ0016046001 for Undine Texas Environmental, LLC. My property is located at the following address: 1501 Fairway Drive Angleton Texas 77515 this is only 25 feet from Bastrop Bayou or the Angleton Drainage District ditch into which the proposed wastewater treatment plant will discharge.

I have attached a letter from Brazoria County that lays out the reasons I believe a contested case hearing is necessary. In addition, I believe a contested case hearing is necessary for the following reasons: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

I am an affected person because of the location of my property and because I use the affected waterways for the following purposes: Fishing, skiing, etc.  
\_\_\_\_\_  
\_\_\_\_\_.

The proposed discharge would affect me in the following ways: Do not wish to have untreated Human waste in Any public water for obvious reasons  
\_\_\_\_\_  
\_\_\_\_\_.

My contact information is below:

Name: Lee Holt  
Address: 1501 Fairway Drive Angleton, Texas  
Daytime Phone Number: 9792153200  
Fax Number: \_\_\_\_\_

Thank you for your time and for considering my request.

Sincerely,

Lee HJolt

MARY ALDOUS  
First Assistant  
  
CHASE CLAYTON  
Chief - Criminal Division



RAETHELLA JONES  
Chief - Civil Division  
  
E. J. KING, JR.  
Chief Investigator

**TOM SELLECK**  
CRIMINAL DISTRICT ATTORNEY  
BRAZORIA COUNTY

December 16, 2022

***Via Certified Mail, Return Receipt Requested  
and electronic filing***

Laurie Gharis  
Office of the Chief Clerk,  
MC 105  
TCEQ  
PO Box 13087  
Austin, TX 78711-3087

RE: Undine Texas Environmental, LLC  
TPDES Permit No. WQ0016046001

Dear Chief Clerk Gharis:

Brazoria County (the "County") requests a contested case hearing on the above-referenced permit. Brazoria County has a justiciable interest related this permit. The County qualifies as an affected person under Title 30 Texas Administration Code Section 55.203. The County is a governmental entity with statutory authority over or interest in the issues relevant to the application. In addition, there is a reasonable relationship between the interests claimed by the County and the discharge of the wastewater from the plant. The discharge of the wastewater will adversely impact the aquatic life use and the recreational use of Bastrop Bayou, into which the wastewater would ultimately discharge. The County operates and controls a boat dock which provides public access to the Bayou and connected water systems. The dock and water access is maintained by the County as a governmental function.

It is our firm position and objection to the executive director's response(s) to the numerous comments submitted during the public comment period. Specifically, responses numbers 33, 57, and 63.

Response 33 does not include monitoring requirements for bacterial species important in tidal streams such as Enterococci limits. The effluent will discharge to an impaired tidal waterbody that is currently on the 303d list and, limits for E. Coli are not generally acceptable as monitoring species for tidal waterbodies.

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

Angleton Area  
(979) 864-1233

Houston Area  
(281) 756-1233

Brazosport Area  
(979) 864-1525

Fax-Criminal Division  
(979) 864-1525

Fax-Civil Division  
(979) 864-1712

Response 57 indicates that the Bastrop Bayou and Angleton Drainage District Ditch No. 22 are considered high aquatic life use, but the permit used 2.0 mg/l for dissolved oxygen criteria in the modeling process. High Aquatic life use streams are assigned higher dissolved oxygen criteria such as 4 or 5 mg/l. We feel that this modeling process is not protective of the current life use in the receiving stream.

In addition, in Response 63, the TCEQ mentioned that the discharge is less than three (3) stream miles from the Tidal Bastrop Bayou segment. The proposed confluence location of the drainage ditch to Bastrop Bayou is salt water and it does not appear that saltwater criteria or limitations are being applied in this permit. The 303d list status of Bastrop Bayou for bacteria starts within that three (3) miles downstream of the proposed effluent. TCEQ procedures for the implementation of surface water quality standards require consideration of three (3) stream miles. There are additional objections as well and we find the current responses from the executive director to be unreasonable and unprotective of water quality in Bastrop Bayou Tidal and upstream segments.

Additionally, Brazoria County has concerns that the following questions have not been fully vetted by the process.

1. Whether the discharge from the facility will adversely affect the water quality in Bastrop Bayou;
2. Whether the discharge from the facility will adversely affect the water quality of Christmas Bay, and whether there will be an adverse effect on existing wildlife or aquatic life downstream, specifically sea grasses and fish hatcheries;
3. Whether the proposed discharge from the facility will adversely affect recreation on Bastrop Bayou;
4. Whether the proposed facility will be a hazard to the health of the community in a flood event allowing sewage to become free form in surface water, as the location of the proposed discharge ditch is often inundated and is located in a flood zone;
5. Whether the proposed permit provisions are sufficient to ensure proper operation and maintenance of the proposed facility, as the entity is not a taxing authority or subdivision of the state, the long-term viability and maintenance of the operation to remain in compliance with the permit are at risk and;
6. Whether the salinity of the Bastrop Bayou will be adversely effected by the discharge. Salinity levels within the receiving waterbody is crucial to the aquatic life score. Dilution of the salinity levels may have adverse effect on critical fisheries and other critical habitat.

The proposed domestic wastewater treatment plant would be located in Brazoria County and discharge into the Bastrop Bayou that is an unchannelized bayou flowing into the Galveston Bay Estuary and Christmas Bay, a Texas Coastal Preserve. It is the home of some of the last

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

Angleton Area  
(979) 864-1233

Houston Area  
(281) 756-1233

Brazosport Area  
(979) 864-1525

Fax-Criminal Division  
(979) 864-1525

Fax-Civil Division  
(979) 864-1712

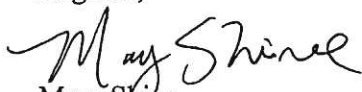
Laurie Gharis  
Texas Commission on Environmental Quality  
December 16, 2022  
Page 3

assemblages of submerged aquatic vegetation on the Upper Texas Coast. Christmas Bay is one of the last pristine estuaries on the Texas Gulf Coast. The County is concerned that TCEQ's classification of this system as a freshwater system fails to take into account the fluctuating tidal nature of this delicate ecosystem. Bastrop Bayou provides valuable habitat for endangered or threatened shorebirds, waterfowl, grassland species, and birds of prey and the area borders on the Brazoria National Wildlife Refuge. The discharge would enter the Bayou only a mile upstream of TCEQ stream segment 1105, which Texas Parks and Wildlife describes as ecologically significant.

Further concern is that Undine Texas Environmental LLC's Board of Directors also manages and operates Undine Texas LLC that provides public water to numerous subdivisions. These two companies share the exact same board members. TCEQ has an extensive complaint history on Undine LLC and at least 10 complaints on Undine Texas Environment, LLC since 2018. Attached with this letter are a list of complaints received by TCEQ. It is unrealistic to believe that this company would operate this facility with a greater degree of care than the systems they currently maintain.

Brazoria County requests a contested case hearing based on the aforementioned factors. Should you have any questions, please do not hesitate to contact me office at 979-864-1233. My office's fax number is 979-864-1712. The District Attorney's address is 111 East Locust Street, Suite 408A, Angleton, Texas 77515. The County Judge's Office is 111 East Locust Street, Suite 102A, Angleton, Texas 77515.

Regards,



Mary Shine  
Assistant District Attorney  
On behalf of Brazoria County

cc: L.M. "Matt" Sebesta, Jr. County Judge  
Donald "Dude" Payne, Commissioner Precinct 1  
Ryan Cade, Commissioner Precinct 2  
Stacy Adams, Commissioner Precinct 3  
David Linder, Commissioner, Precinct 4

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

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(979) 864-1525

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(979) 864-1525

Fax-Civil Division  
(979) 864-1712

## TCEQ Web Access to Complaint Information

Your search returned 10 records. You may also view and save this list with additional fields (county, region) as an  Excel spreadsheet.

1-10 of 10 Records

Complaint Tracking # ▼	RN	RE Name	Associated Customer	Status ⓘ	County	Received Date
365750	RN102344157	GRAND RANCH PHASE 2	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	JOHNSON	08/26/2021
359716	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	06/03/2021
359532	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/31/2021
359530	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/31/2021
359528	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/30/2021
350824	RN102287109	MAYFAIR ADDITION	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	TARRANT	02/16/2021
343377	RN103637807	LAGUNA HARBOR WWTP	CN600624589 BOLIVAR PENINSULA SUD CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	10/05/2020
334152	RN101522464	SUGARTREE WWTF	CN602295370 GENERIC INCIDENT PRINCIPAL CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	04/12/2020
319345	RN101522464	SUGARTREE WWTF	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	08/20/2019
292278	RN101522464	SUGARTREE WWTF	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	08/17/2018

1-10 of 10 Records

[Search Again](#)

### Search Criteria

CN: CN604519330

Undine TX LLC

Water System

Complaints

COMPLAINT TRACKING NO.	RN	RE NAME	LS_INCID_PRINC	STATUS	COUNTY	RECEIVED DATE	REGION
375943	RN101252534	PIONEER TRAILS SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	05/17/2022	12
375948	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	03/18/2022	12
375949	RN102680287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BAZORIA	03/09/2022	12
375958	RN102680287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BAZORIA	03/09/2022	12
375959	RN102680287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BAZORIA	03/09/2022	12
374951	RN102686706	APACHE HILLS	CN605397827	CLOSED	BAZORIA	02/23/2022	9
374933	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLINSON	02/22/2022	9
374367	RN101259598	BUFFALO CREEK	CN605397827	CLOSED	BURLINSON	02/09/2022	4
371691	RN101288191	TOWN BLUFF WATER SYSTEM	CN602597827	CLOSED	TYLER	11/16/2021	10
370446	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLINSON	11/22/2021	9
370353	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLINSON	11/16/2021	9
367362	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLINSON	09/17/2021	9
367356	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLINSON	09/17/2021	9
367114	RN101187201	COLONY TRAILS SUBDIVISION	CN605397827	CLOSED	BAZORIA	09/20/2021	12
364580	RN101280105	JOHN DAME	CN605397827	CLOSED	JOHNSON	08/10/2021	4
363707	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLINSON	07/27/2021	9
361681	RN101231975	MEADOWLAKE ESTATES	CN605397827	CLOSED	HARRIS	06/30/2021	12
361259	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	06/30/2021	12
361063	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	06/23/2021	12
361010	RN101450674	SPRING CREEK VALLEY ESTATES	CN605397827	CLOSED	HARRIS	06/24/2021	12
355016	RN102317591	SAN BERNARD RIVER ESTATES	CN605397827	CLOSED	BAZORIA	04/29/2021	12
352747	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BAZORIA	03/15/2021	12
352744	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BAZORIA	03/15/2021	12
351698	RN105544775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	FORT BEND	02/23/2021	12
350890	RN101207751	LOST LAKES	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
348462	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BAZORIA	12/22/2020	12
348084	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BAZORIA	12/21/2020	12
348082	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BAZORIA	12/21/2020	12
348000	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BAZORIA	12/21/2020	12
347994	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BAZORIA	12/21/2020	12
346918	RN101175057	BEAUMONT PLACE	CN605397827	CLOSED	HARRIS	12/02/2020	12
344876	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BAZORIA	10/26/2020	12
339956	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	CLOSED	BAZORIA	08/03/2020	12
339045	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BAZORIA	07/14/2020	12
338363	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	CLOSED	BAZORIA	07/05/2020	12
337828	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	CLOSED	BAZORIA	06/25/2020	12
332623	RN101231975	MEADOWLAKE ESTATES	CN605397827	CLOSED	HARRIS	03/17/2020	12
332622	RN101175057	BEAUMONT PLACE	CN605397827	CLOSED	HARRIS	03/17/2020	12
332621	RN101257301	HIGHLAND RIDGE SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332620	RN101198554	FOREST MANOR SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332609	RN101204303	HEATHERGATE ESTATES	CN605397827	CLOSED	HARRIS	03/17/2020	12
332417	RN101251627	HIGHLAND MOBILE HOME SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332416	RN101260255	HUFFMAN HEIGHTS SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332398	RN101187128	RESERVOIR ACRES SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332386	RN101230100	JOY VILLAGE	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332341	RN101195501	PORTER TERRACE	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332339	RN101201127	URBAN ACRES SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332338	RN101217552	SPRINGMONT SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332336	RN101252542	SPRING FOREST SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332335	RN101252963	CYPRESS BEND SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332333	RN101241081	CASTLEWOOD SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332335	RN101252534	PIONEER TRAILS SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332334	RN101275287	GREENGATE ACRES SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332333	RN101459501	LAKEWOOD COLONY	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332331	RN101275931	SWEETGUM FOREST	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
331535	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BAZORIA	03/04/2020	12
331527	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BAZORIA	03/04/2020	12
330911	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	CLOSED	BAZORIA	08/04/2020	12
330498	RN101175057	BEAUMONT PLACE	CN605397827	CLOSED	HARRIS	02/14/2020	12
329251	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	FORT BEND	01/28/2020	12
327777	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BAZORIA	12/23/2019	12
326973	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	FORT BEND	12/17/2019	12



326897	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/17/2019	12
326543	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/30/2019	12
325933	RN101175057	BEAUMONT PLACE	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	12/02/2019	12
323918	RN104038203	GENERIC INCIDENT ZIP CODE 76058	CN605397827	UNDINE TEXAS LLC	CLOSED	JOHNSON	10/24/2019	4
322142	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	10/08/2019	12
321642	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	09/23/2019	12
320954	RN102679842	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	09/16/2019	4
320796	RN101438174	CROWLEY II ACRE SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	JOHNSON	09/11/2019	4
317566	RN101209922	BEAR CREEK ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	TARRANT	08/22/2019	12
319473	RN101252963	CYPRESS BEND SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	07/26/2019	12
317566	RN101209922	BERNARD OAKS SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	07/07/2019	12
311267	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	06/11/2019	12
305263	RN101182608	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	03/20/2019	12
304117	RN101197648	MARK V ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	03/05/2019	12
293146	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	09/26/2018	12
291543	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	09/04/2018	12
286892	RN101209922	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	07/17/2018	12
288478	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	07/17/2018	12
287653	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	07/03/2018	12
287295	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/26/2018	12
287172	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/22/2018	12
287169	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/18/2018	12
287004	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/08/2018	12
286567	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/01/2018	12
286428	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/01/2018	12
285579	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/29/2018	12
284352	RN105447775	ROSHARON ROAD ESTATES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/16/2018	12
284351	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/16/2018	12
283957	RN101197648	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/18/2018	12
283952	RN105447775	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/15/2018	12
283951	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/15/2018	12
283949	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283948	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283947	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283946	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283503	RN101197648	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283406	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
282540	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/08/2018	12
277105	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/08/2018	12
276948	RN101241081	CASTLEWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	04/19/2018	12
276793	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	01/23/2018	12
276779	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	01/18/2018	12
275298	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/18/2018	12
266221	RN101270312	COUNTRY ACRE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/22/2017	12

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, April 12, 2022 11:58 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** lholt49@gmail.com <lholt49@gmail.com>  
**Sent:** Monday, April 11, 2022 6:36 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Michael Lee Holt

**EMAIL:** [lholt49@gmail.com](mailto:lholt49@gmail.com)

**COMPANY:**

**ADDRESS:** 1501 FAIRWAY DR  
ANGLETON TX 77515-9379

**PHONE:** 9792153200

**FAX:**

**COMMENTS:** Re: NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR MUNICIPAL WASTEWATER: PERMIT NO. WQ0016046001 Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou living at 1501

Fairway Drive Angleton, Texas, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou, also concerned with discharges of raw or untreated sewage during the inevitable event of an upset at the treatment facility. I am requesting a public hearing to learn more about the application ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at 979-215-3200 if you have any questions. Sincerely, Lee Holt

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 4, 2022 1:52 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** Bastrop Bayou1.docx

H

**From:** mmjones542@gmail.com <mmjones542@gmail.com>  
**Sent:** Monday, April 4, 2022 1:03 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Monica Jones

**EMAIL:** [mmjones542@gmail.com](mailto:mmjones542@gmail.com)

**COMPANY:**

**ADDRESS:** 542 RIVERSIDE DR  
ANGLETON TX 77515-9114

**PHONE:** 9792357832

**FAX:**

**COMMENTS:** April 4, 2022 Office of the Chief Clerk, MC 105 Texas Commission on Environmental Quality P.O. Box 13087 Austin, TX 78711-3087 Re: NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR MUNICIPAL WASTEWATER: PERMIT NO. WQ0016046001 Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant

Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou living at 542 Riverside Dr. Angleton, TX, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at 979-235-7832 if you have any questions. Sincerely, Monica Jones 542 Riverside Dr. Angleton, TX 77515

April 4, 2022

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

**Re: NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT  
FOR MUNICIPAL WASTEWATER: PERMIT NO. WQ0016046001**

Dear Sir or Madam:

Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day.

As a resident on Bastrop Bayou living at 542 Riverside Dr. Angleton, TX, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou.

I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application.

Please feel free to contact me at 979-235-7832 if you have any questions.

Sincerely,

Monica Jones  
542 Riverside Dr.  
Angleton, TX 77515

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 9:12 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** fkeonitz@gmail.com <fkeonitz@gmail.com>  
**Sent:** Sunday, April 17, 2022 8:21 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MR Edwin Keonitzer

**EMAIL:** [fkeonitz@gmail.com](mailto:fkeonitz@gmail.com)

**COMPANY:**

**ADDRESS:** 291 COUNTY ROAD 687  
ANGLETON TX 77515-8695

**PHONE:** 7235602185

**FAX:**

**COMMENTS:** I request a Public Hearing.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 14, 2022 8:42 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** fkeonitz@gmail.com <fkeonitz@gmail.com>  
**Sent:** Wednesday, April 13, 2022 9:58 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MS Edwin Keonitzer

**EMAIL:** [fkeonitz@gmail.com](mailto:fkeonitz@gmail.com)

**COMPANY:**

**ADDRESS:** 291 COUNTY ROAD 687  
ANGLETON TX 77515-8695

**PHONE:** 7135602185

**FAX:**

**COMMENTS:** Re: NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR MUNICIPAL WASTEWATER: PERMIT NO. WQ0016046001 Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou (change to



ditch number if not on the bayou) living at (insert address), I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at.....if you have any questions

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 9:13 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** fkeonitz@gmail.com <fkeonitz@gmail.com>  
**Sent:** Sunday, April 17, 2022 8:20 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MRS Frances Anne Keonitzer

**EMAIL:** [fkeonitz@gmail.com](mailto:fkeonitz@gmail.com)

**COMPANY:**

**ADDRESS:** 291 COUNTY ROAD 687  
ANGLETON TX 77515-8695

**PHONE:** 9792648455

**FAX:**

**COMMENTS:** I request a Public Hearing.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 15, 2022 8:00 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** richardkerrcpa@gmail.com <richardkerrcpa@gmail.com>  
**Sent:** Thursday, April 14, 2022 4:14 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** RICHARD L KERR, JR

**EMAIL:** [richardkerrcpa@gmail.com](mailto:richardkerrcpa@gmail.com)

**COMPANY:**

**ADDRESS:** 8306 BON HILL CT  
SPRING TX 77379-6857

**PHONE:** 7138254160

**FAX:**

**COMMENTS:** Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou living at 12 Flounder Circle, Freeport, TX 77541, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this

brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at (713)-825-4160 if you have any questions. Sincerely,

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 14, 2022 8:28 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** bdmarino@marinomd.com <bdmarino@marinomd.com>  
**Sent:** Wednesday, April 13, 2022 11:55 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** DR. Barbara Marino

**EMAIL:** [bdmarino@marinomd.com](mailto:bdmarino@marinomd.com)

**COMPANY:**

**ADDRESS:** 417 REDFISH DR  
FREEPORT TX 77541-7997

**PHONE:** 7138164000

**FAX:**

**COMMENTS:** Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou living at 417 Redfish Drive, Freeport, TX 77541, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this

brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at 713-816-4000 if you have any questions. Sincerely, Barbara Marino

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 14, 2022 8:41 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** coltonmarino52@gmail.com <coltonmarino52@gmail.com>  
**Sent:** Wednesday, April 13, 2022 8:08 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MR Colton Marino

**EMAIL:** [coltonmarino52@gmail.com](mailto:coltonmarino52@gmail.com)

**COMPANY:**

**ADDRESS:** 417 REDFISH DR  
FREEPORT TX 77541-7997

**PHONE:** 8325172514

**FAX:**

**COMMENTS:** Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou living at 417 Redfish Drive, Freeport, TX 77541, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this

brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at 832-517-2514 if you have any questions. Sincerely, Colton Marino



**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 9:30 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** Coltonmarino52@gmail.com <Coltonmarino52@gmail.com>  
**Sent:** Saturday, April 16, 2022 10:19 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Colton Marino

**EMAIL:** [Coltonmarino52@gmail.com](mailto:Coltonmarino52@gmail.com)

**COMPANY:**

**ADDRESS:** 417 REDFISH DR  
FREEPORT TX 77541-7997

**PHONE:** 8325172514

**FAX:**

**COMMENTS:** I request a public meeting.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 14, 2022 8:43 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** pbccm@sbcglobal.net <pbccm@sbcglobal.net>  
**Sent:** Wednesday, April 13, 2022 7:56 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MR Paul Marino

**EMAIL:** [pbccm@sbcglobal.net](mailto:pbccm@sbcglobal.net)

**COMPANY:**

**ADDRESS:** 417 REDFISH DR  
FREEPORT TX 77541-7997

**PHONE:** 7135403995

**FAX:**

**COMMENTS:** Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou living at 417 Redfish Drive, Freeport, TX 77541, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this

brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at 713-540-3995 if you have any questions. Sincerely, Paul Marino

TO: Executive Director, Texas Commission on Environmental Quality

12 Dec 2022

FROM: James A. Meyer

REVIEWED

SUBJECT: Request for Contested Hearing on Permit WQ 0016046001

DEC 10 2022

Applicant: Undine Texas Environmental, LLC

by GCW H

1. Request contested hearing on Permit WQ 0016046001.
2. Based on information given and not given at the summer 2022 opening meeting on this permit, I feel there has been insufficient research accomplished on the effect of the introduction of effluent (250,000 up to 1,000,000 gallons a day) into Bastrop Bayou. The specific areas are:
  - a. Water quality:
    1. Altering of the salinity level of this tidal flow bayou (alters existing environment)
    2. Possible toxic contamination of the bayou water due to inadequate wastewater treatment
  - b. Effect on the aquatic and non-aquatic wildlife and plant life in and adjacent to the bayou:
    1. Includes both endangered and non-endangered species.
  - c. Effect of high tides and flooding on effluent dispersal.
  - d. Examination of alternate waste treatment options:
    1. Bayou residents must use drip fields for wastewater treatment.
    2. Applicant install a waste treatment system that keeps the effluent out of the bayou.
3. Request contested hearing on Permit WQ 0016046001.
4. Thank you.

James A. Meyer

2913 Bayou Drive

Angleton, TX 77515

[jameyer06@gmail.com](mailto:jameyer06@gmail.com)

713-828-4660

CHIEF CLERKS OFFICE

2022 DEC 15 AM 9:44

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

CHIEF CLERKS OFFICE

2022 DEC 15 AM 9:44

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

ON ENVIRONMENTAL  
QUALITY

2022 DEC 15 AM 9:43

CHIEF CLERKS OFFICE

Laurie G Harris, Chief Clerk

TA EQ, MC-105

PO Box 13087

AUSTIN, TX 78711-3087

Meyer  
PO Box 487  
White Oak, TX  
75693

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**PM**

**CHIEF, CLERK**

**MSC: 105**

**RTE:**

2022 DEC 15 AM 9:43

FROM: United States Postal Service  
CARR: 9505510119322347366859  
TRK#: 12/15/2022 0813  
RCVD: 12/15/2022

CLRK: Bradley Cooper  
TO: CHIEF, CLERK  
BDG: F  
PKG: 1  
PCS: 1



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RDC 04



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U.S. POSTAGE PAID  
PM WHITE OAK, TX  
75693  
DEC 13, 22  
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R2304H109784-4

EXPECTED DELIVERY DAY: 12/15/22

USPS TRACKING® #



9505 5101 1932 2347 3668 59

EPI14H July 2013 Outer L

\* For International

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 11, 2022 9:25 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** jameyer06@gmail.com <jameyer06@gmail.com>  
**Sent:** Monday, April 11, 2022 8:23 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTITY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** TX

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** James Arthur Meyer

**EMAIL:** [jameyer06@gmail.com](mailto:jameyer06@gmail.com)

**COMPANY:**

**ADDRESS:** 150 BASIL  
LIVINGSTON TX 77351-4761

**PHONE:** 7138284660

**FAX:**

**COMMENTS:** I am a property owner along Bastrop Bayou. I am extremely concerned about the potential negative impact that this facility and its high amount of water discharge will have on the environment and aquatic life of Bastrop Bayou and its associated coastal lakes and bays. I respectfully request a public hearing to provide more details of this project and to fully address the environmental concerns.

**TCEQ Public Meeting Form**  
**July 28, 2022**

**Undine Texas Environmental, LLC**  
**New TPDES Permit for Municipal Wastewater**  
**Permit No. WQ0016046001**

*PLEASE PRINT*

Name: James A. Meyer

Mailing Address: 150 Basil, Livingston, TX 77351

Physical Address (if different): \_\_\_\_\_

City/State: Livingston, TX Zip: 77351

**\*\*This information is subject to public disclosure under the Texas Public Information Act\*\***

Email: jameyer06@gmail.com

Phone Number: 713-828-4660

- Are you here today representing a municipality, legislator, agency, or group?  Yes  No

If yes, which one? \_\_\_\_\_

Please add me to the mailing list.

I wish to provide formal *ORAL COMMENTS* at tonight's public meeting.

I wish to provide formal *WRITTEN COMMENTS* at tonight's public meeting.

(Written comments may be submitted at any time during the meeting)  
Please give this form to the person at the information table. Thank you.



Question:

What criteria was used to

~~size~~ size the wastewater plant

operation?

How was the number 250,000 gals

a day ~~derived~~ derived?

James A. Meyer

RECEIVED

JUL 28 2022

AT PUBLIC MEETING

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, April 12, 2022 11:12 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** jameyer06@gmail.com <jameyer06@gmail.com>  
**Sent:** Tuesday, April 12, 2022 10:23 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** James Arthur Meyer

**EMAIL:** [jameyer06@gmail.com](mailto:jameyer06@gmail.com)

**COMPANY:**

**ADDRESS:** 150 BASIL  
LIVINGSTON TX 77351-4761

**PHONE:** 7138284660

**FAX:**

**COMMENTS:** I am a property owner along Bastrop Bayou. I am extremely concerned about the potential negative impact that this facility and its high amount of water discharge will have on the environment of Bastrop Bayou and its associated coastal lakes and bays. I respectfully request a public meeting to get more details of the project and any environmental issues.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 7, 2022 8:07 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** Laurenvogel25@gmail.com <Laurenvogel25@gmail.com>  
**Sent:** Wednesday, April 6, 2022 3:04 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Lauren Milliorn

**EMAIL:** [Laurenvogel25@gmail.com](mailto:Laurenvogel25@gmail.com)

**COMPANY:**

**ADDRESS:** 214 RIVERSIDE DR  
ANGLETON TX 77515-9108

**PHONE:** 2817964608

**FAX:**

**COMMENTS:** Re: NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR MUNICIPAL WASTEWATER: PERMIT NO. WQ0016046001 Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou (change to

ditch number if not on the bayou) living at 214 riverside dr angleton, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at.....if you have any questions. Sincerely, Lauren Vogel Milliorn

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 7, 2022 8:08 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

**From:** Laurenvogel25@gmail.com <Laurenvogel25@gmail.com>  
**Sent:** Wednesday, April 6, 2022 2:54 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Lauren Milliorn

**EMAIL:** [Laurenvogel25@gmail.com](mailto:Laurenvogel25@gmail.com)

**COMPANY:**

**ADDRESS:** 214 RIVERSIDE DR  
ANGLETON TX 77515-9108

**PHONE:** 2817964608

**FAX:**

**COMMENTS:** I was informed that a company is wanting to dump waste water into Bastrop bayou in angleton texas. I do not want any company dumping waste water into the bayou near my house. I feel its not safe for me my neighbors or the environment. Please don't let this happen where we fish play swim in. Thank you.

## Vander Gold

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, December 19, 2022 9:47 AM  
**To:** PUBCOMMENT-WQ; PUBCOMMENT-ELD; PUBCOMMENT-OCC2; PUBCOMMENT-OPIC  
**Subject:** FW: Public comment on Permit Number WQ0016046001

RFR

---

**From:** Ernestina\_mook@yahoo.com <Ernestina\_mook@yahoo.com>  
**Sent:** Friday, December 16, 2022 6:45 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME** RESERVE AT ANGLETON WWTP

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Ernestina Mook

**EMAIL:** [Ernestina\\_mook@yahoo.com](mailto:Ernestina_mook@yahoo.com)

**COMPANY:**

**ADDRESS:** 583 COUNTY ROAD 687  
ANGLETON TX 77515-8689

**PHONE:** 9792368865

**FAX:**

**COMMENTS:** When we purchased our home on county road 687 we were told that no waste water from our aerobic septic tank should be dumped in the bastrop bayou that is in our back yard. We were told we would be fined several thousands of dollars if we didn't get a company to com out every 3 months to check our septic tank. But it's okay for you to dump into our bayou. How is that fair? Our house flooded during Harvey and it was not because of Harvey it was because of other towns pumping their water into our bayou. This will cause our house to flood with any little bit of rain

which you said in your meeting that it's four times 250,000. I would like to understand how you are able to do this when there is a open case for water being dumped into this exact bayou. I would appreciate it if you would reconsider and do not dump waste water into our bayou. It is not safe for our eco system.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 14, 2022 8:32 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** ernestina\_mook@yahoo.com <ernestina\_mook@yahoo.com>  
**Sent:** Wednesday, April 13, 2022 9:01 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Ernestina Mook

**EMAIL:** [ernestina\\_mook@yahoo.com](mailto:ernestina_mook@yahoo.com)

**COMPANY:**

**ADDRESS:** 583 Couny Road 687  
Angleton TX 77515

**PHONE:** 9792368865

**FAX:**

**COMMENTS:** Re: NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR MUNICIPAL WASTEWATER: PERMIT NO. WQ0016046001 Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou living at 583



CR 687, Angleton TX 77515, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at 979-236-8865, if you have any questions. Sincerely, Ernestina Mook

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 9:38 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM  
H

**From:** Gildoe57@gmail.com <Gildoe57@gmail.com>  
**Sent:** Friday, April 15, 2022 12:21 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Gilner Murrell

**EMAIL:** [Gildoe57@gmail.com](mailto:Gildoe57@gmail.com)

**COMPANY:**

**ADDRESS:** 1215 FAIRWAY DR  
ANGLETON TX 77515-8710

**PHONE:** 9796656057

**FAX:**

**COMMENTS:** I request a meeting/hearing.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 8, 2022 10:20 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

**From:** Gildoe57@gmail.com <Gildoe57@gmail.com>  
**Sent:** Thursday, April 7, 2022 8:31 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Gilner Murrell

**EMAIL:** [Gildoe57@gmail.com](mailto:Gildoe57@gmail.com)

**COMPANY:**

**ADDRESS:** 1215 FAIRWAY DR  
ANGLETON TX 77515-8710

**PHONE:** 9796656057

**FAX:**

**COMMENTS:** We do not want waste water in our bayous.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 21, 2022 3:50 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** csequimentrental1@gmail.com <csequimentrental1@gmail.com>  
**Sent:** Thursday, April 21, 2022 1:18 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Debra Oliver

**EMAIL:** [csequimentrental1@gmail.com](mailto:csequimentrental1@gmail.com)

**COMPANY:**

**ADDRESS:** 221 COUNTY ROAD 839  
ANGLETON TX 77515-8601

**PHONE:** 9798495910

**FAX:**

**COMMENTS:** lets have a hearing before this is allowed

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 14, 2022 8:43 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** JWPerouty@gmail.com <JWPerouty@gmail.com>  
**Sent:** Wednesday, April 13, 2022 7:06 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** James W Perouty

**EMAIL:** [JWPerouty@gmail.com](mailto:JWPerouty@gmail.com)

**COMPANY:**

**ADDRESS:** 419 REDFISH DR  
FREEPORT TX 77541-7997

**PHONE:** 2818504110

**FAX:**

**COMMENTS:** Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou living at 419 Redfish Drive, Freeport, TX 77541, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this

brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at 281-850-4110 if you have any questions. Sincerely, James W. Perouty

29

TCEQ Public Meeting Form  
July 28, 2022

Undine Texas Environmental, LLC  
New TPDES Permit for Municipal Wastewater  
Permit No. WQ0016046001

PLEASE PRINT

Name: JAMES Perouty

Mailing Address: 419 Redfish Dr

Physical Address (if different): \_\_\_\_\_

City/State: Freeport Tx Zip: 77541

\*\*This information is subject to public disclosure under the Texas Public Information Act\*\*

Email: JW Perouty@GMAIL.COM

Phone Number: \_\_\_\_\_

• Are you here today representing a municipality, legislator, agency, or group?  Yes  No

If yes, which one? \_\_\_\_\_

Please add me to the mailing list.

I wish to provide formal *ORAL COMMENTS* at tonight's public meeting.

I wish to provide formal *WRITTEN COMMENTS* at tonight's public meeting.

(Written comments may be submitted at any time during the meeting)  
Please give this form to the person at the information table. Thank you.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 14, 2022 8:43 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** Mattie.Perouty@gmail.com <Mattie.Perouty@gmail.com>  
**Sent:** Wednesday, April 13, 2022 7:16 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MRS Mattie Moore Perouty

**EMAIL:** [Mattie.Perouty@gmail.com](mailto:Mattie.Perouty@gmail.com)

**COMPANY:**

**ADDRESS:** 419 REDFISH DR  
FREEPORT TX 77541-7997

**PHONE:** 4092938010

**FAX:**

**COMMENTS:** Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou living at 419 Redfish Drive, Freeport, TX 77541, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this



brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at 409-293 8010 if you have any questions. Sincerely, Mattie Moore-Perouty

## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 1:24 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

---

**From:** james.p1933@att.net <james.p1933@att.net>  
**Sent:** Friday, December 16, 2022 12:39 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MR James Pfeffer

**EMAIL:** [james.p1933@att.net](mailto:james.p1933@att.net)

**COMPANY:**

**ADDRESS:** 2827 BAYOU DR  
ANGLETON TX 77515-9127

**PHONE:** 7138515469

**FAX:**

**COMMENTS:** Re: TCEQ Permit WQ0016046001 I respectfully request a Contested Case Hearing regarding the subject permit. Common sense would indicate that the approval of such a large sewage system effluent upstream of many residents on Bastrop Bayou with the likelihood of sewage system malfunctions, typical lack of maintenance and expected growth and expansion will cause negative public health and environmental impacts. Personal experience indicates that Bastrop Bayou, near the proposed site, being so far inland, is not significantly tidally impacted.

Concentrated sewage system malfunctions, let alone the typical flow of effluent of such a large system may not be adequately dispersed and will be detrimental to the public health of the downstream residents and the environment. Furthermore, the additional daily freshwater load may impact the delicate balance of the salinity of the brackish water downstream of the new facility. Also, the applicant, Undine Texas Environmental has a history of noncompliance as documented in public records. Also, discharge of this effluent into Bastrop Bayou appears to be a convenient solution to the applicant in lieu of a solution that is best for the local community and the downstream residents of Bastrop Bayou. Lastly, the residents that may be potentially affected by this installation, including the undersigned, as a group, are clearly against the approval of such permit due to the significant risks to health and detrimental environmental impacts of the downstream Bastrop Bayou watershed. Negative impacts to Bastrop Bayou will also significantly reduce property values to the area residents and landowners. Approval of this permit will no doubt foster a a perpetual negative relationship between the TCEQ, local authorities and the residents on and near Bastrop Bayou.

REVIEWED

MWD  
126449

APR 05 2022 H

By GCW

March 29, 2022

**Re:** NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR  
TPDES PERMIT FOR MUNICIPAL WASTEWATER: PERMIT NO.  
WQ0016046001

Dear Sir or Madam:

**Concerning:** Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed **250,000 gallons per day**.

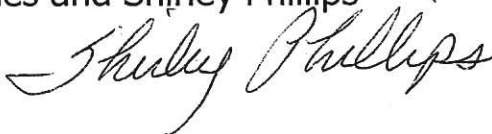
We are 47 year residents on Bastrop Bayou living at 507 County Road 687, Angleton, Texas 77515. During the 47 years we have canoed, kayaked, fished, water skied and swam in the bayou along with sitting on the bank to picnic and enjoy the serenity and fresh air. I have significant concerns regarding this permit application and the quality of life of living on the bayou. Also, the potential impact on the salinity regime of this brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou.

I am requesting a public hearing to learn more about the application, ask questions of the applicant, and provide the public ample opportunity to submit comments on the application.

Please feel free to contact me at sphillips400@comcast.net if you have any questions.

Sincerely,

James and Shirley Phillips

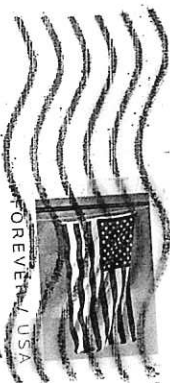


RECEIVED  
MAY 01 10 01 AM '22  
ON 5/1/22

James & Shirley Phillips  
507 County Road 687  
Angleton, Texas 77515

NORTH HOUSTON TX 773

31 MAR 2022 PM 3 L



TEXAS  
ON THE MOUNTAIN

APR 04 2022

POST OFFICE  
FEDERAL CENTER  
MT

Office of the Chief Clerk, MC 105  
Texas Commission on Environmental Quality

P.O. Box 13087

Austin, Texas

78711-3087

78711-3087



MWD  
126449

Re: NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR MUNICIPAL WASTEWATER: PERMIT NO. WQ0016046001

Dear Sir or Madam:

Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day.

As a resident on Bastrop Bayou living at 415 Riverside Dr. in Angleton, Texas 77515, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou.

I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application.

Please feel free to contact me at [ejpro@sbcglobal.net](mailto:ejpro@sbcglobal.net) or 979-583-6771 if you have any questions.

Sincerely,

Emil E. Pihoda

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

REVIEWED  
APR 12 2022  
By Gou H

CHIEF CLERKS OFFICE

APR 11 AM 11:07

TEXAS  
COMMISSION  
ON ENVIRONMENTAL  
QUALITY

Emil E. Pihoda  
313 Riverside Dr  
Angleton, TX 77515

TEXAS  
COMMISSION  
ON ENVIRONMENTAL  
QUALITY

APR 11 AM 11:07

CHIEF CLERKS OFFICE

*Texas Commission on Environmental Quality*  
*Office of the Chief Clerk MCI05*  
*PO Box 13087*  
*Austin, Texas 78711-3087*

APR 11 2022

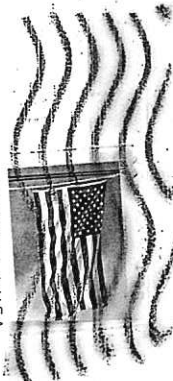
TOEQ MAIL CENTER  
BC

78711-308787



NORTH HOUSTON TX 773

7 APR 2022 PM 6:1



FOREVER / USA

Re: NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR MUNICIPAL WASTEWATER: PERMIT NO. WQ0016046001

MWD  
126449

Dear Sir or Madam:

Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day.

As a resident on Bastrop Bayou living at 314 Riverside Dr. in Angleton, Texas 77515, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou.

I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application.

Please feel free to contact me at [ejpro@sbcglobal.net](mailto:ejpro@sbcglobal.net) or 979-583-6771 if you have any questions.

Sincerely,

Emil E. Pihoda

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

REVIEWED  
APR 12 2022  
By GCW H  
CHIEF CLERKS OFFICE  
APR 11 AM 11:07  
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



TEXAS  
COMMISSION  
ON ENVIRONMENTAL  
QUALITY

APR 11 AM 11:07

CHIEF CLERKS OFFICE

Emil E. Prinhoda  
313 Riverside Dr  
Angleton, TX 77515

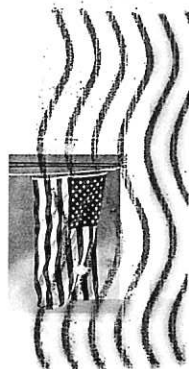
*Texas Commission on Environmental Quality  
Office of the Chief Clerk MC 105  
PO Box 13087  
Austin Texas 78711-3087*

RECEIVED  
APR 11 2022

TCEQ MAIL CENTER  
BC

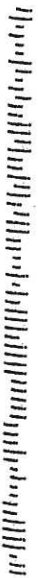
NORTH HOUSTON TX 773

7 APR 2022 PM 5 L



FOREVER USA

78711-3087



MWD  
126449

Re: NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR MUNICIPAL WASTEWATER: PERMIT NO. WQ0016046001

Dear Sir or Madam:

Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day.

As a resident on Bastrop Bayou living at 313 Riverside Dr. in Angleton, Texas 77515, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou.

I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application.

Please feel free to contact me at [ejpro@sbcglobal.net](mailto:ejpro@sbcglobal.net) or 979-583-6771 if you have any questions.

Sincerely,



Emil E. Pihoda

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

REVIEWED  
APR 12 2022  
By GCW T

CHIEF CLERKS OFFICE

2022 APR 11 AM 11:06

TEXAS  
COMMISSION  
ON ENVIRONMENTAL  
QUALITY

TEXAS  
COMMISSION  
ON ENVIRONMENTAL  
QUALITY

APR 11 AM 11:06

CHIEF CLERKS OFFICE

Emil E. Prithoda  
313 Riverside Dr  
Angleton, TX 77515

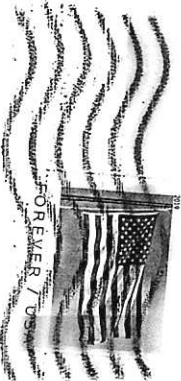
*Topical Commission on Environmental Quality  
PO Box 13087  
Austin Texas 78711-3087*

TELEMAIL CENTER

APR 11 2002

RECEIVED

ANGLETON TEXAS TX 77515



78711-3087



**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, April 19, 2022 2:02 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM  
H

**From:** Bob@purnell.biz <Bob@purnell.biz>  
**Sent:** Tuesday, April 19, 2022 10:38 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Robert Purnell

**EMAIL:** [Bob@purnell.biz](mailto:Bob@purnell.biz)

**COMPANY:**

**ADDRESS:** 12006 COUNTY ROAD 596  
ANGLETON TX 77515-8251

**PHONE:** 8327941040

**FAX:**

**COMMENTS:** We would like to request a public meeting or hearing regarding the listed permit above. Thank you, Robert Purnell

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 14, 2022 8:31 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** Melody@purnell.biz <Melody@purnell.biz>  
**Sent:** Wednesday, April 13, 2022 9:47 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Melody Purnell

**EMAIL:** [Melody@purnell.biz](mailto:Melody@purnell.biz)

**COMPANY:**

**ADDRESS:** 12006 COUNTY ROAD 596  
ANGLETON TX 77515-8251

**PHONE:** 9796657767

**FAX:**

**COMMENTS:** Re: NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR MUNICIPAL WASTEWATER: PERMIT NO. WQ0016046001 Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou at 12006

County Road 596, Angleton. I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou, oyster reefs, and the national wildlife refuge. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at 979-665-7767 if you have any questions. Sincerely, Bob and Melody Purnell

## Vander Gold

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, December 19, 2022 9:47 AM  
**To:** PUBCOMMENT-WQ; PUBCOMMENT-ELD; PUBCOMMENT-OCC2; PUBCOMMENT-OPIC  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** Request for Contested Case Hearing with Kenneth Purswell6.pdf

eComment = H  
Attachment = H

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**From:** kpurswell@sbcglobal.net <kpurswell@sbcglobal.net>  
**Sent:** Friday, December 16, 2022 6:39 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Kenneth R. Purswell

**EMAIL:** [kpurswell@sbcglobal.net](mailto:kpurswell@sbcglobal.net)

**COMPANY:**

**ADDRESS:** 12027 WALDEMAR DR  
HOUSTON TX 77077-4956

**PHONE:** 8323688808

**FAX:**

**COMMENTS:** I request a contested case hearing regarding TPDES Permit No. WQ0016046001 for Undine Texas Environmental, LLC. My property is located at 127 & 131 Redfish Drive on DemiJohn Island the following address: is in proximity of Bastrop Bayou or the Angleton Drainage District ditch into which the proposed waste water treatment plant

will discharge. I believe a contested case hearing is necessary. In addition, I believe a contested case hearing is necessary for the following reasons: The lack of a Comprehensive Environment Impact Study relative to the Bastrop Bayou Watershed. I am an affected person because of the location of my property and because I use the affected waterways for the following purposes: Recreational Water Sports, Fishing, and Hunting. The proposed discharge would affect me in the following ways: Diminishing of Real Estate Values, Health & Well-Being.



Laurie Gharis  
Office of the Chief Clerk, MC 105  
TCEQ  
PO Box 13087  
Austin, TX 78711-3087

RE: TPDES Permit No. WQ0016046001

Dear Chief Clerk Gharis:

My name is Kenneth R. Purswell. I request a contested case hearing regarding TPDES Permit No. WQ0016046001 for Undine Texas Environmental, LLC. My property is located at the following address: 127 & 131 Redfish Drive on DemiJohn Island this is only \_\_\_\_\_ feet from Bastrop Bayou or the Angleton Drainage District ditch into which the proposed wastewater treatment plant will discharge.

I have attached a letter from Brazoria County that lays out the reasons I believe a contested case hearing is necessary. In addition, I believe a contested case hearing is necessary for the following reasons: The lack of a Comprehensive Environment Impact Study relative to the Bastrop Bayou Watershed

\_\_\_\_\_

\_\_\_\_\_.

I am an affected person because of the location of my property and because I use the affected waterways for the following purposes: Recreational Watersports, Fishing, and Hunting

\_\_\_\_\_

\_\_\_\_\_.

The proposed discharge would affect me in the following ways: Deminishing of Real Estate Values, Heath & Well-Being.

\_\_\_\_\_

\_\_\_\_\_.

My contact information is below:

Name: Kenneth Purswell  
Address: 12027 Waldemar Dr. Houston Texas 77077  
Daytime Phone Number: 832.368.8808  
Fax Number: kpurswell@sbcglobal.net

Thank you for your time and for considering my request.

Sincerely,

Kenneth Purswell

MARY ALDOUS  
First Assistant  
  
CHASE CLAYTON  
Chief - Criminal Division



RAETHELLA JONES  
Chief - Civil Division  
  
E. J. KING, JR.  
Chief Investigator

**TOM SELLECK**  
CRIMINAL DISTRICT ATTORNEY  
BRAZORIA COUNTY

December 16, 2022

*Via Certified Mail, Return Receipt Requested  
and electronic filing*

Laurie Gharis  
Office of the Chief Clerk,  
MC 105  
TCEQ  
PO Box 13087  
Austin, TX 78711-3087

RE: Undine Texas Environmental, LLC  
TPDES Permit No. WQ0016046001

Dear Chief Clerk Gharis:

Brazoria County (the "County") requests a contested case hearing on the above-referenced permit. Brazoria County has a justiciable interest related this permit. The County qualifies as an affected person under Title 30 Texas Administration Code Section 55.203. The County is a governmental entity with statutory authority over or interest in the issues relevant to the application. In addition, there is a reasonable relationship between the interests claimed by the County and the discharge of the wastewater from the plant. The discharge of the wastewater will adversely impact the aquatic life use and the recreational use of Bastrop Bayou, into which the wastewater would ultimately discharge. The County operates and controls a boat dock which provides public access to the Bayou and connected water systems. The dock and water access is maintained by the County as a governmental function.

It is our firm position and objection to the executive director's response(s) to the numerous comments submitted during the public comment period. Specifically, responses numbers 33, 57, and 63.

Response 33 does not include monitoring requirements for bacterial species important in tidal streams such as Enterococci limits. The effluent will discharge to an impaired tidal waterbody that is currently on the 303d list and, limits for E. Coli are not generally acceptable as monitoring species for tidal waterbodies.

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

Angleton Area  
(979) 864-1233

Houston Area  
(281) 756-1233

Brazosport Area  
(979) 864-1525

Fax-Criminal Division  
(979) 864-1525

Fax-Civil Division  
(979) 864-1712

Response 57 indicates that the Bastrop Bayou and Angleton Drainage District Ditch No. 22 are considered high aquatic life use, but the permit used 2.0 mg/l for dissolved oxygen criteria in the modeling process. High Aquatic life use streams are assigned higher dissolved oxygen criteria such as 4 or 5 mg/l. We feel that this modeling process is not protective of the current life use in the receiving stream.

In addition, in Response 63, the TCEQ mentioned that the discharge is less than three (3) stream miles from the Tidal Bastrop Bayou segment. The proposed confluence location of the drainage ditch to Bastrop Bayou is salt water and it does not appear that saltwater criteria or limitations are being applied in this permit. The 303d list status of Bastrop Bayou for bacteria starts within that three (3) miles downstream of the proposed effluent. TCEQ procedures for the implementation of surface water quality standards require consideration of three (3) stream miles. There are additional objections as well and we find the current responses from the executive director to be unreasonable and unprotective of water quality in Bastrop Bayou Tidal and upstream segments.

Additionally, Brazoria County has concerns that the following questions have not been fully vetted by the process.

1. Whether the discharge from the facility will adversely affect the water quality in Bastrop Bayou;
2. Whether the discharge from the facility will adversely affect the water quality of Christmas Bay, and whether there will be an adverse effect on existing wildlife or aquatic life downstream, specifically sea grasses and fish hatcheries;
3. Whether the proposed discharge from the facility will adversely affect recreation on Bastrop Bayou;
4. Whether the proposed facility will be a hazard to the health of the community in a flood event allowing sewage to become free form in surface water, as the location of the proposed discharge ditch is often inundated and is located in a flood zone;
5. Whether the proposed permit provisions are sufficient to ensure proper operation and maintenance of the proposed facility, as the entity is not a taxing authority or subdivision of the state, the long-term viability and maintenance of the operation to remain in compliance with the permit are at risk and;
6. Whether the salinity of the Bastrop Bayou will be adversely effected by the discharge. Salinity levels within the receiving waterbody is crucial to the aquatic life score. Dilution of the salinity levels may have adverse effect on critical fisheries and other critical habitat.

The proposed domestic wastewater treatment plant would be located in Brazoria County and discharge into the Bastrop Bayou that is an unchannelized bayou flowing into the Galveston Bay Estuary and Christmas Bay, a Texas Coastal Preserve. It is the home of some of the last

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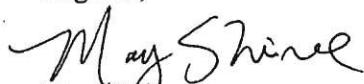
Laurie Gharis  
Texas Commission on Environmental Quality  
December 16, 2022  
Page 3

assemblages of submerged aquatic vegetation on the Upper Texas Coast. Christmas Bay is one of the last pristine estuaries on the Texas Gulf Coast. The County is concerned that TCEQ's classification of this system as a freshwater system fails to take into account the fluctuating tidal nature of this delicate ecosystem. Bastrop Bayou provides valuable habitat for endangered or threatened shorebirds, waterfowl, grassland species, and birds of prey and the area borders on the Brazoria National Wildlife Refuge. The discharge would enter the Bayou only a mile upstream of TCEQ stream segment 1105, which Texas Parks and Wildlife describes as ecologically significant.

Further concern is that Undine Texas Environmental LLC's Board of Directors also manages and operates Undine Texas LLC that provides public water to numerous subdivisions. These two companies share the exact same board members. TCEQ has an extensive complaint history on Undine LLC and at least 10 complaints on Undine Texas Environment, LLC since 2018. Attached with this letter are a list of complaints received by TCEQ. It is unrealistic to believe that this company would operate this facility with a greater degree of care than the systems they currently maintain.

Brazoria County requests a contested case hearing based on the aforementioned factors. Should you have any questions, please do not hesitate to contact me office at 979-864-1233. My office's fax number is 979-864-1712. The District Attorney's address is 111 East Locust Street, Suite 408A, Angleton, Texas 77515. The County Judge's Office is 111 East Locust Street, Suite 102A, Angleton, Texas 77515.

Regards,



Mary Shine  
Assistant District Attorney  
On behalf of Brazoria County

cc: L.M. "Matt" Sebesta, Jr. County Judge  
Donald "Dude" Payne, Commissioner Precinct 1  
Ryan Cade, Commissioner Precinct 2  
Stacy Adams, Commissioner Precinct 3  
David Linder, Commissioner, Precinct 4

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Fax-Civil Division  
(979) 864-1712

## TCEQ Web Access to Complaint Information

Your search returned 10 records. You may also view and save this list with additional fields (county, region) as an  Excel spreadsheet.

1-10 of 10 Records

Complaint Tracking # ▼	RN	RE Name	Associated Customer	Status ⓘ	County	Received Date
365750	RN102344157	GRAND RANCH PHASE 2	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	JOHNSON	08/26/2021
359716	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	06/03/2021
359532	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/31/2021
359530	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/31/2021
359528	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/30/2021
350824	RN102287109	MAYFAIR ADDITION	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	TARRANT	02/16/2021
343377	RN103637807	LAGUNA HARBOR WWTP	CN600624589 BOLIVAR PENINSULA SUD CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	10/05/2020
334152	RN101522464	SUGARTREE WWTF	CN602295370 GENERIC INCIDENT PRINCIPAL CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	04/12/2020
319345	RN101522464	SUGARTREE WWTF	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	08/20/2019
292278	RN101522464	SUGARTREE WWTF	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	08/17/2018

1-10 of 10 Records

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### Search Criteria

CN: CN604519330

Undine TX LLC

Water System

Estimate

Complaints

COMPLAINT TRACKING NO	RN	RE NAME	LS_INCID_PRINC	STATUS	COUNTY	RECEIVED DATE	REGION
376843	RN101252534	PIONEER TRAILS SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	05/17/2022	12
376698	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	03/18/2022	12
376438	RN102680287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BRAZORIA	03/09/2022	12
375939	RN102680287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BRAZORIA	03/08/2022	12
375938	RN102680287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BRAZORIA	03/08/2022	12
374951	RN102686705	APACHE HILLS	CN605397827	CLOSED	BURLESON	02/23/2022	9
374933	RN102686705	APACHE HILLS	CN605397827	CLOSED	BURLESON	02/22/2022	9
374367	RN101259596	BUFFALO CREEK	CN605397827	CLOSED	JOHNSON	02/09/2022	4
371691	RN101268191	TOWN BLUFF WATER SYSTEM	CN602295370	CLOSED	TYLER	12/16/2021	10
370446	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLESON	11/22/2021	9
370353	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLESON	11/18/2021	9
367362	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLESON	09/27/2021	9
367358	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLESON	09/27/2021	9
367114	RN101187201	COLONY TRAILS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	09/20/2021	12
364560	RN101280165	JOHN DAME	CN605397827	CLOSED	JOHNSON	08/10/2021	4
363707	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLESON	07/27/2021	9
361661	RN101231975	MEADOWLAKE ESTATES	CN605397827	CLOSED	HARRIS	06/30/2021	12
361259	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	06/30/2021	12
361063	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	06/23/2021	12
361010	RN101450674	SPRING CREEK VALLEY ESTATES	CN605397827	CLOSED	HARRIS	06/24/2021	12
3605016	RN102317591	SAN BERNARD RIVER ESTATES	CN605397827	CLOSED	BRAZORIA	04/29/2021	12
352747	RN105698775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/15/2021	12
352744	RN105698775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/15/2021	12
351698	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/15/2021	12
350990	RN101207751	LOST LAKES	CN605397827	CLOSED	FORT BEND	02/25/2021	12
348462	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
348084	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/22/2020	12
348082	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
348000	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
347994	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
346918	RN101175037	BEAUMONT PLACE	CN605397827	CLOSED	HARRIS	12/21/2020	12
344876	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	10/26/2020	12
339996	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	08/03/2020	12
339045	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	07/14/2020	12
338363	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	07/05/2020	12
337828	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	CLOSED	BRAZORIA	06/25/2020	12
332823	RN101231975	MEADOWLAKE ESTATES	CN605397827	CLOSED	HARRIS	03/17/2020	12
332622	RN101175037	BEAUMONT PLACE	CN605397827	CLOSED	HARRIS	03/17/2020	12
332621	RN101257301	HIGHLAND RIDGE SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332620	RN101198554	FOREST MANOR SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332609	RN101204303	HEATHERGATE ESTATES	CN605397827	CLOSED	HARRIS	03/17/2020	12
332417	RN101251627	HIGHLAND MOBILE HOME SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332416	RN101260255	HUFFMAN HEIGHTS SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332402	RN101205922	RESERVOIR ACRES SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332398	RN101187128	PEACH CREEK OAKS SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332386	RN101230100	JOY VILLAGE	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332341	RN101155501	PORTER TERRACE	CN605397827	CLOSED	HARRIS	03/17/2020	12
332340	RN101201127	URBAN ACRES SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332339	RN101217552	SPRINGMONT SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332338	RN101252542	SPRING FOREST SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332337	RN101252963	CYPRESS BEND SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332336	RN101241081	CASTLEWOOD SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332335	RN101252534	PIONEER TRAILS SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332334	RN101276287	GREENGATE ACRES SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332333	RN101459501	LAKEMOOD COLONY	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332331	RN101279321	SWEETGUM FOREST	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
331535	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/04/2020	12
331527	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/04/2020	12
330911	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	02/14/2020	12
330498	RN101175037	BEAUMONT PLACE	CN605397827	CLOSED	HARRIS	02/14/2020	12
329251	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	FORT BEND	01/28/2020	12
327777	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	12/23/2019	12
326973	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	FORT BEND	12/17/2019	12

326897	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/17/2019	12
326543	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/30/2019	12
325933	RN101175057	BEAUMONT PLACE	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	12/02/2019	12
323918	RN104038203	GENERIC INCIDENT ZIP CODE 76058	CN605397827	UNDINE TEXAS LLC	CLOSED	JOHNSON	10/24/2019	4
322474	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	10/09/2019	12
321642	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	09/23/2019	12
320954	RN102679842	CROWLEY II ACRE SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	JOHNSON	09/16/2019	4
320796	RN101438174	BEAR CREEK ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	TARRANT	09/11/2019	4
319473	RN101252863	CYPRESS BEND SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	08/22/2019	12
317596	RN101283638	BERNARD OAKS SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	07/26/2019	12
315213	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	07/07/2019	12
311267	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	06/11/2019	12
305263	RN101182608	MARK V ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	03/20/2019	12
304117	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	03/05/2019	12
293146	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	09/26/2018	12
291648	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	09/04/2018	12
289692	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	07/17/2018	12
289476	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	07/17/2018	12
287653	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	07/03/2018	12
287295	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/26/2018	12
287172	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/22/2018	12
287169	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/22/2018	12
287004	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/22/2018	12
285567	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/08/2018	12
285428	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/01/2018	12
285425	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	06/01/2018	12
285579	RN101180559	ROSHARON ROAD ESTATES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/29/2018	12
284832	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/16/2018	12
284351	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/16/2018	12
283957	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/15/2018	12
283952	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/14/2018	12
283951	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283949	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283948	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283947	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283946	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283503	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283406	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
282540	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
277105	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	04/19/2018	12
276946	RN101241081	CASTLEWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/23/2018	12
276793	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	01/19/2018	12
276779	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/19/2018	12
275259	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/22/2017	12
268221	RN101270312	COUNTRY ACRE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	09/16/2017	12

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 2:05 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** kpurswell@sbcglobal.net <kpurswell@sbcglobal.net>  
**Sent:** Monday, April 18, 2022 12:41 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** TX

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Kenneth Purswell

**EMAIL:** [kpurswell@sbcglobal.net](mailto:kpurswell@sbcglobal.net)

**COMPANY:** Kenneth Purswell

**ADDRESS:** 12027 WALDEMAR DR  
HOUSTON TX 77077-4956

**PHONE:** 8323688808

**FAX:**

**COMMENTS:** As a resident on Bastrop Bayou living at 127 & 131 Redfish Drive, Freeport, TX 77541, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou and the Brazoria National Wildlife Refuge. I am requesting a public hearing to learn more about the application, ask questions of the



applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at 832-368-8808 or [kpurswell@sbcglobal.net](mailto:kpurswell@sbcglobal.net) if you have any questions. Sincerely, Kenneth Purswell

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 14, 2022 8:44 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

**From:** kpurswell@sbcglobal.net <kpurswell@sbcglobal.net>  
**Sent:** Wednesday, April 13, 2022 5:57 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** TX

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Kenneth R. Purswell

**EMAIL:** [kpurswell@sbcglobal.net](mailto:kpurswell@sbcglobal.net)

**COMPANY:**

**ADDRESS:** 12027 WALDEMAR DR  
HOUSTON TX 77077-4956

**PHONE:** 8323688808

**FAX:**

**COMMENTS:** My family has had a home on Bastrop Bayou since 1970. The bayou is abundant with aquatic species and wildlife, also utilized for recreational watersports. I have concerns that the vast amount of treated water discharge will have a impact on the Brazoria National Wildlife Refuge, and the Bastrop/Christmas Bay Eco Systems. Has there be a Environment Impact Stateemnt? Any diminishing of aquatic species, wildlife, or watersports will effect recreational enjoyment and property values.

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 9:23 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** BARRYTODDREYNOLDS@GMAIL.COM <BARRYTODDREYNOLDS@GMAIL.COM>  
**Sent:** Saturday, April 16, 2022 5:09 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** BARRY T REYNOLDS

**EMAIL:** [BARRYTODDREYNOLDS@GMAIL.COM](mailto:BARRYTODDREYNOLDS@GMAIL.COM)

**COMPANY:**

**ADDRESS:** 45 TROUT LN  
FREEPORT TX 77541-7914

**PHONE:** 7132022407

**FAX:**

**COMMENTS:** I REQUEST A PUBLIC HEARING ON THIS MATTER. PERMIT NUMBER: WQ0016046001

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 9:34 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** BARRYTODDREYNOLDS@GMAIL.COM <BARRYTODDREYNOLDS@GMAIL.COM>  
**Sent:** Saturday, April 16, 2022 12:12 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** BARRY T. REYNOLDS

**EMAIL:** [BARRYTODDREYNOLDS@GMAIL.COM](mailto:BARRYTODDREYNOLDS@GMAIL.COM)

**COMPANY:**

**ADDRESS:** 45 TROUT LN  
FREEPORT TX 77541-7914

**PHONE:** 7132022407

**FAX:**

**COMMENTS:** Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou living at 45 Trout Ln., Freeport, TX 77541, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this brackish

water system, and as a result, the impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at 713-202-2407 if you have any questions. Sincerely, Barry T. Reynolds

## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, December 19, 2022 9:45 AM  
**To:** PUBCOMMENT-WQ; PUBCOMMENT-ELD; PUBCOMMENT-OCC2; PUBCOMMENT-OPIC  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H  
RFR

---

**From:** LAWANAUPL@COMCAST.NET <LAWANAUPL@COMCAST.NET>  
**Sent:** Friday, December 16, 2022 4:50 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** MS LAWANA J REYNOLDS

**EMAIL:** [LAWANAUPL@COMCAST.NET](mailto:LAWANAUPL@COMCAST.NET)

**COMPANY:**

**ADDRESS:** 8702 ANDANTE DR  
HOUSTON TX 77040-2541

**PHONE:** 8324673173

**FAX:**

**COMMENTS:** I request a Contested Case Hearing on Undine Texas Environmental LLC's permit # WQ0016046001. I have owned the property at 45 Trout Lane, Freeport, Texas 77541 since 1999. The residence is located on Demi-John Island on Bastrop Bayou. My family & friends will be directly affected by the discharge by Undine into the bayou which will reduce the salinity and contribute contaminates resulting in an unhealthy bayou. We fish, crab, boat, tube, ski & bird

watch in the bayou. We consume fish & crabs caught in the bayou. I feel that any upsets in the wastewater treatment process at the proposed facility would lead to heightened toxic conditions in the bayou. \*Eating fish & crabs taken from the bayou could cause medical issues & financial burden. \*Skiing & swimming in the bayou could cause medical issues & financial burden. \*The added water from the discharge during a rain event could cause flooding & a financial burden. \*Poor quality of water will affect recreation, aquatic life, birds & animals who feed from the bayou. I feel the permit as written is NOT accurate or complete. We were told at the meeting that the discharge could be 1,000,000 or more gallons. I oppose the approval of Permit Application No. WQ0016046001 submitted by Undine Texas Environmental LLC and urge the Executive Director's decision be reconsidered. Thank you for your consideration. Lawana J. Reynolds

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 9:23 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** LAWANAUPL@COMCAST.NET <LAWANAUPL@COMCAST.NET>  
**Sent:** Saturday, April 16, 2022 5:05 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** LAWANA REYNOLDS

**EMAIL:** LAWANAUPL@COMCAST.NET

**COMPANY:**

**ADDRESS:** 45 TROUT LN  
FREEPORT TX 77541-7914

**PHONE:** 8324673173

**FAX:**

**COMMENTS:** I request a public hearing on this matter. Project number: WQ0016046001



**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 9:34 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** LAWANAUPL@COMCAST.NET <LAWANAUPL@COMCAST.NET>  
**Sent:** Saturday, April 16, 2022 12:07 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** LAWANA REYNOLDS

**EMAIL:** [LAWANAUPL@COMCAST.NET](mailto:LAWANAUPL@COMCAST.NET)

**COMPANY:**

**ADDRESS:** 45 TROUT LN  
FREEPORT TX 77541-7914

**PHONE:** 8324673173

**FAX:**

**COMMENTS:** Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new a Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons. As a resident on Bastrop Bayou living at 45 Trout Lane, Freeport, TX 77541, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this

brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at 832-467-3173 if you have any questions. Sincerely, Lawana Reynolds

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 9:23 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** LAWANAUPL@COMCAST.NET <LAWANAUPL@COMCAST.NET>  
**Sent:** Saturday, April 16, 2022 5:12 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** LAWANA REYNOLDS

**EMAIL:** LAWANAUPL@COMCAST.NET

**COMPANY:**

**ADDRESS:** 45 TROUT LN  
FREEPORT TX 77541-7914

**PHONE:** 8324673173

**FAX:**

**COMMENTS:** I request a public meeting on this matter.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 15, 2022 12:02 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** treyrusso@gmail.com <treyrusso@gmail.com>  
**Sent:** Friday, April 15, 2022 9:48 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Bill Joseph Russo

**EMAIL:** [treyrusso@gmail.com](mailto:treyrusso@gmail.com)

**COMPANY:** BILL RUSSO

**ADDRESS:** 367 REDFISH DR  
FREEPORT TX 77541-7995

**PHONE:** 7134179824

**FAX:**

**COMMENTS:** Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou living at 367 Redfish, Freeport, TX 77541, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this brackish

water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at 713-417-9824 if you have any questions. Sincerely, Bill Russo III

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Wednesday, April 6, 2022 9:16 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

**From:** treyrusso@gmail.com <treyrusso@gmail.com>  
**Sent:** Tuesday, April 5, 2022 10:54 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Bill Joseph Russo

**EMAIL:** [treyrusso@gmail.com](mailto:treyrusso@gmail.com)

**COMPANY:**

**ADDRESS:** 367 REDFISH DR  
FREEPORT TX 77541-7995

**PHONE:** 7134179824

**FAX:**

**COMMENTS:** I fully oppose the dumping of additional waste water in Bastrop Bayou, harming an important ecosystem and community.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 15, 2022 12:01 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** jrusso2004@gmail.com <jrusso2004@gmail.com>  
**Sent:** Friday, April 15, 2022 9:52 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Jennifer Russo

**EMAIL:** [jrusso2004@gmail.com](mailto:jrusso2004@gmail.com)

**COMPANY:**

**ADDRESS:** 367 REDFISH DR  
FREEPORT TX 77541-7995

**PHONE:** 7134179061

**FAX:**

**COMMENTS:** Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou living at 367 Redfish Dr, Freeport, TX 77541, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this

brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at 713-417-9061 if you have any questions. Sincerely, Jennifer Russo



## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, December 15, 2022 9:06 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** Reconsideration Request Letter.pdf

RFR

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**From:** aheston@brazoria-county.com <aheston@brazoria-county.com>  
**Sent:** Wednesday, December 14, 2022 1:46 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Andrew Michael Heston

**EMAIL:** [aheston@brazoria-county.com](mailto:aheston@brazoria-county.com)

**COMPANY:** Brazoria County

**ADDRESS:** 111 E LOCUST ST Suite 408A  
ANGLETON TX 77515-4642

**PHONE:** 9798641233

**FAX:** 9798641712

**COMMENTS:** Please see the attached letter requesting reconsideration from Brazoria County. Thank you, Andrew Heston

L.M. "Matt" Sebesta, Jr.  
County Judge



Lacey Powell  
Chief of Staff

## Brazoria County

December 14, 2022

Laurie Gharis  
Office of the Chief Clerk, MC 105  
TCEQ  
PO Box 13087  
Austin, TX 78711-3087

RE: TPDES Permit No. WQ0016046001

Dear Chief Clerk Gharis:

Brazoria County is requesting that the Executive Director reconsider his decision regarding Permit No. WQ0016046001. The proposed domestic wastewater treatment plant would be located in Brazoria County.

Brazoria County is requesting a reconsideration due to the following concerns:

The proposed system would emit up to 250,000 gallons of treated wastewater per day and would serve the first phase of a 300 home community that is eventually expected to more than double in size. This would place the sewage treatment for a community the size of a small city in the hands of a private entity. Even if the current developer diligently operates and maintains the wastewater treatment system, there is no guarantee that subsequent purchasers would do the same. In the event of a malfunction, the potential for 250,000 gallons or more per day of untreated sewage emptying into the bayou is very concerning.

Furthermore, Brazoria County has significant concerns regarding the potential impacts on the salinity regime of this brackish water system and on aquatic species within the bayou. Brazoria County is concerned that TCEQ's classification of this system as a freshwater system fails to take into account the fluctuating tidal nature of this delicate ecosystem. Bastrop Bayou provides valuable habitat for endangered or threatened shorebirds, waterfowl, grassland species, and birds of prey and the area borders on the Brazoria National Wildlife Refuge. The discharge would enter the Bayou only a mile upstream of TNRCC stream segment 1105, which Texas Parks and Wildlife describes as ecologically significant. Furthermore, while the intended discharge stream is along Angleton Drainage District ditches, the proposed plant is located significantly closer to the upper reaches of Bastrop Bayou. This means any incident at the plant has the potential to affect the entire course of the waterway.

Brazoria County requests your reconsideration based on the aforementioned factors. Should you have any questions, please do not hesitate to contact my office at 979-864-1200. My office's fax number is 979-849-4655. My office's address is 111 East Locust Street, Suite 102A, Angleton, TX 77515.

Warm Regards,

A handwritten signature in black ink, appearing to read "L.M. Sebesta, Jr.", is written over the typed name.

L.M. "Matt" Sebesta, Jr.  
County Judge  
Brazoria County

MARY ALDOUS  
First Assistant  
BRIAN HRACH  
Criminal Division Chief



RAETHELLA JONES  
Chief - Civil Division  
DARRELL COLLINS  
Chief Investigator

**TOM SELLECK**

CRIMINAL DISTRICT ATTORNEY  
BRAZORIA COUNTY

April 19, 2022

MWD  
126449

REVIEWED

APR 22 2022 PM  
By GCW

Laurie Gharis  
Office of the Chief Clerk, MC 105  
TCEQ  
PO Box 13087  
Austin, TX 78711-3087  
Fax: 512-239-3311

RE: TPDES Permit No. WQ0016046001

Dear Chief Clerk Gharis:

TEXAS  
COMMISSION  
ON ENVIRONMENTAL  
QUALITY  
2022 APR 21 PM 2:48  
CHIEF CLERKS OFFICE

Today, April 19, 2022, the Brazoria County Commissioners Court passed the attached resolution requesting a public meeting regarding TPDES Permit No. WQ0016046001. Please let this serve as an official request for a public meeting on behalf of the Brazoria County Commissioners Court.

Please call me at (979)-864-1233 if you have any questions or comments concerning this matter.

Warm Regards,

Andrew Heston  
Assistant District Attorney  
Brazoria County

Attachment:

Resolution Regarding TPDES Permit No. WQ0016046001

# RESOLUTION

WHEREAS, the Texas Commission on Environmental Quality has issued a draft permit for Proposed Permit Number WQ0016046001; and

WHEREAS, Proposed Permit Number WQ0016046001 is for a Waste Water Treatment Plant for the proposed mobile home park known as The Reserve in Angleton located south of County Road 220 in unincorporated Brazoria County; and

WHEREAS, the proposed plant will serve approximately 300 homes, with future expansions in the community planned for over 800 homes; and

WHEREAS, the proposed system would emit up to 250,000 gallons of treated wastewater per day; and

WHEREAS, the treated wastewater from the proposed plant will discharge into Bastrop Bayou, a body of water used and enjoyed by the residents of Brazoria County for a variety of recreational purposes; and

WHEREAS, the public's enjoyment of Bastrop Bayou may be adversely affected by the introduction of 250,000 gallons of raw sewage per day if the proposed plant should malfunction; and

WHEREAS, Bastrop Bayou is a brackish body of water with a complex ecosystem and delicate salinity balance that may be affected by the addition of 250,000 gallons of treated wastewater per day; and

WHEREAS, the proposed plant would be operated by a private entity instead of a publicly controlled municipality or district; and

WHEREAS, the private entity operating the plant in a decade may bear no relation to the private entity currently seeking the permit, so there is no way to evaluate the diligence of future operators; and

WHEREAS, homeowners in the surrounding area and along Bastrop Bayou have not yet had the opportunity to evince their concerns in a public meeting; and

WHEREAS, the First Amendment of the Constitution of the United States of America guarantees the right of the people to petition their government for redress of grievances.

NOW, THEREFORE, BE IT RESOLVED that the Brazoria County Commissioners Court respectfully requests that the Texas Commission on Environmental Quality hold a public meeting on Proposed Permit Number WQ0016046001 and that a copy of this resolution be sent to the Texas Commission on Environmental Quality, Office of the Chief Clerk.

APPROVED this 19th day of April, 2022.

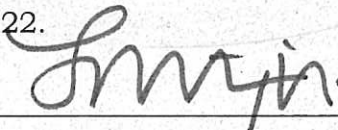


Commissioner, Precinct 1

Donald "Dude" Payne

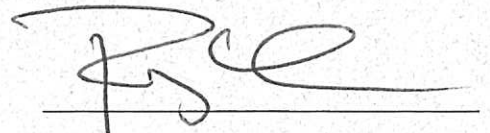
Commissioner, Precinct 3

Stacy L. Adams



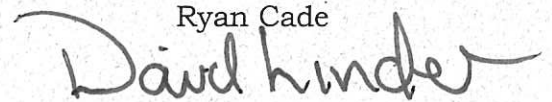
Brazoria County Judge

L. M. "Matt" Sebesta, Jr.



Commissioner, Precinct 2

Ryan Cade



Commissioner, Precinct 4

David Linder

TOM SELLECK / DISTRICT  
ATTORNEY PA  
BRAZORIA COUNTY  
111 E Locust St  
Angleton, TX 77515-4676

USPS CERTIFIED MAIL



9414 8149 0316 4669 0013 58

Ms. Laurie Gharis  
Office of the Chief Clerk, MC 105  
PO BOX 13087  
Austin, TX 78711-3087

TEXAS  
COMMISSION  
ON ENVIRONMENTAL  
QUALITY

2022 APR 21 PM 2:48

CHIEF CLERKS OFFICE

Shipper Ref:

Waste Water

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, April 19, 2022 2:12 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** Resolution and Cover Letter1.pdf

PM

**From:** aheston@brazoria-county.com <aheston@brazoria-county.com>  
**Sent:** Tuesday, April 19, 2022 9:57 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Andrew Michael Heston

**EMAIL:** [aheston@brazoria-county.com](mailto:aheston@brazoria-county.com)

**COMPANY:** Brazoria County

**ADDRESS:** 111 E LOCUST ST Suite 408A  
ANGLETON TX 77515-4642

**PHONE:** 9798641233

**FAX:** 9798641712

**COMMENTS:** Please see the attached cover letter and resolution. Thank you, Andrew Heston

MARY ALDOUS  
First Assistant

BRIAN HRACH  
Criminal Division Chief



RAETHELLA JONES  
Chief - Civil Division

DARRELL COLLINS  
Chief Investigator

# TOM SELLECK

CRIMINAL DISTRICT ATTORNEY  
BRAZORIA COUNTY

April 19, 2022

Laurie Gharis  
Office of the Chief Clerk, MC 105  
TCEQ  
PO Box 13087  
Austin, TX 78711-3087  
Fax: 512-239-3311

RE: TPDES Permit No. WQ0016046001

Dear Chief Clerk Gharis:

Today, April 19, 2022, the Brazoria County Commissioners Court passed the attached resolution requesting a public meeting regarding TPDES Permit No. WQ0016046001. Please let this serve as an official request for a public meeting on behalf of the Brazoria County Commissioners Court.

Please call me at (979)-864-1233 if you have any questions or comments concerning this matter.

Warm Regards,

A handwritten signature in black ink, appearing to read "A. Heston".

Andrew Heston  
Assistant District Attorney  
Brazoria County

Attachment:

Resolution Regarding TPDES Permit No. WQ0016046001

# RESOLUTION

WHEREAS, the Texas Commission on Environmental Quality has issued a draft permit for Proposed Permit Number WQ0016046001; and

WHEREAS, Proposed Permit Number WQ0016046001 is for a Waste Water Treatment Plant for the proposed mobile home park known as The Reserve in Angleton located south of County Road 220 in unincorporated Brazoria County; and

WHEREAS, the proposed plant will serve approximately 300 homes, with future expansions in the community planned for over 800 homes; and

WHEREAS, the proposed system would emit up to 250,000 gallons of treated wastewater per day; and

WHEREAS, the treated wastewater from the proposed plant will discharge into Bastrop Bayou, a body of water used and enjoyed by the residents of Brazoria County for a variety of recreational purposes; and

WHEREAS, the public's enjoyment of Bastrop Bayou may be adversely affected by the introduction of 250,000 gallons of raw sewage per day if the proposed plant should malfunction; and

WHEREAS, Bastrop Bayou is a brackish body of water with a complex ecosystem and delicate salinity balance that may be affected by the addition of 250,000 gallons of treated wastewater per day; and

WHEREAS, the proposed plant would be operated by a private entity instead of a publicly controlled municipality or district; and

WHEREAS, the private entity operating the plant in a decade may bear no relation to the private entity currently seeking the permit, so there is no way to evaluate the diligence of future operators; and

WHEREAS, homeowners in the surrounding area and along Bastrop Bayou have not yet had the opportunity to evince their concerns in a public meeting; and

WHEREAS, the First Amendment of the Constitution of the United States of America guarantees the right of the people to petition their government for redress of grievances.

NOW, THEREFORE, BE IT RESOLVED that the Brazoria County Commissioners Court respectfully requests that the Texas Commission on Environmental Quality hold a public meeting on Proposed Permit Number WQ0016046001 and that a copy of this resolution be sent to the Texas Commission on Environmental Quality, Office of the Chief Clerk.

APPROVED this 19th day of April, 2022.

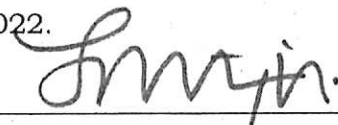


Commissioner, Precinct 1

Donald "Dude" Payne

Commissioner, Precinct 3


Stacy L. Adams



Brazoria County Judge

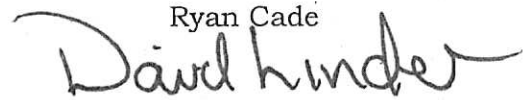
L. M. "Matt" Sebesta, Jr.





Commissioner, Precinct 2

Ryan Cade



Commissioner, Precinct 4

David Linder



## Vander Gold

---

**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 4:28 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** Signed Request for Contested Case Hearing3.pdf

H

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**From:** maryc@brazoriacountytx.gov <maryc@brazoriacountytx.gov>  
**Sent:** Friday, December 16, 2022 2:38 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Mary Shine

**EMAIL:** [maryc@brazoriacountytx.gov](mailto:maryc@brazoriacountytx.gov)

**COMPANY:** Brazoria County

**ADDRESS:** 111 E LOCUST ST Suite 408A  
ANGLETON TX 77515-4642

**PHONE:** 9798641233

**FAX:** 9798641712

**COMMENTS:** Please see the attached request for a contested case hearing regarding TCEQ Permit No. WQ0016046001 on behalf of Brazoria County.

MARY ALDOUS  
First Assistant  
  
CHASE CLAYTON  
Chief - Criminal Division



RAETHELLA JONES  
Chief - Civil Division  
  
E. J. KING, JR.  
Chief Investigator

**TOM SELLECK**  
**CRIMINAL DISTRICT ATTORNEY**  
**BRAZORIA COUNTY**

December 16, 2022

*Via Certified Mail, Return Receipt Requested  
and electronic filing*

Laurie Gharis  
Office of the Chief Clerk,  
MC 105  
TCEQ  
PO Box 13087  
Austin, TX 78711-3087

RE: Undine Texas Environmental, LLC  
TPDES Permit No. WQ0016046001

Dear Chief Clerk Gharis:

Brazoria County (the "County") requests a contested case hearing on the above-referenced permit. Brazoria County has a justiciable interest related this permit. The County qualifies as an affected person under Title 30 Texas Administration Code Section 55.203. The County is a governmental entity with statutory authority over or interest in the issues relevant to the application. In addition, there is a reasonable relationship between the interests claimed by the County and the discharge of the wastewater from the plant. The discharge of the wastewater will adversely impact the aquatic life use and the recreational use of Bastrop Bayou, into which the wastewater would ultimately discharge. The County operates and controls a boat dock which provides public access to the Bayou and connected water systems. The dock and water access is maintained by the County as a governmental function.

It is our firm position and objection to the executive director's response(s) to the numerous comments submitted during the public comment period. Specifically, responses numbers 33, 57, and 63.

Response 33 does not include monitoring requirements for bacterial species important in tidal streams such as Enterococci limits. The effluent will discharge to an impaired tidal waterbody that is currently on the 303d list and, limits for E. Coli are not generally acceptable as monitoring species for tidal waterbodies.

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

Angleton Area  
(979) 864-1233

Houston Area  
(281) 756-1233

Brazosport Area  
(979) 864-1525

Fax-Criminal Division  
(979) 864-1525

Fax-Civil Division  
(979) 864-1712

Response 57 indicates that the Bastrop Bayou and Angleton Drainage District Ditch No. 22 are considered high aquatic life use, but the permit used 2.0 mg/l for dissolved oxygen criteria in the modeling process. High Aquatic life use streams are assigned higher dissolved oxygen criteria such as 4 or 5 mg/l. We feel that this modeling process is not protective of the current life use in the receiving stream.

In addition, in Response 63, the TCEQ mentioned that the discharge is less than three (3) stream miles from the Tidal Bastrop Bayou segment. The proposed confluence location of the drainage ditch to Bastrop Bayou is salt water and it does not appear that saltwater criteria or limitations are being applied in this permit. The 303d list status of Bastrop Bayou for bacteria starts within that three (3) miles downstream of the proposed effluent. TCEQ procedures for the implementation of surface water quality standards require consideration of three (3) stream miles. There are additional objections as well and we find the current responses from the executive director to be unreasonable and unprotective of water quality in Bastrop Bayou Tidal and upstream segments.

Additionally, Brazoria County has concerns that the following questions have not been fully vetted by the process.

1. Whether the discharge from the facility will adversely affect the water quality in Bastrop Bayou;
2. Whether the discharge from the facility will adversely affect the water quality of Christmas Bay, and whether there will be an adverse effect on existing wildlife or aquatic life downstream, specifically sea grasses and fish hatcheries;
3. Whether the proposed discharge from the facility will adversely affect recreation on Bastrop Bayou;
4. Whether the proposed facility will be a hazard to the health of the community in a flood event allowing sewage to become free form in surface water, as the location of the proposed discharge ditch is often inundated and is located in a flood zone;
5. Whether the proposed permit provisions are sufficient to ensure proper operation and maintenance of the proposed facility, as the entity is not a taxing authority or subdivision of the state, the long-term viability and maintenance of the operation to remain in compliance with the permit are at risk and;
6. Whether the salinity of the Bastrop Bayou will be adversely effected by the discharge. Salinity levels within the receiving waterbody is crucial to the aquatic life score. Dilution of the salinity levels may have adverse effect on critical fisheries and other critical habitat.

The proposed domestic wastewater treatment plant would be located in Brazoria County and discharge into the Bastrop Bayou that is an unchannelized bayou flowing into the Galveston Bay Estuary and Christmas Bay, a Texas Coastal Preserve. It is the home of some of the last

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

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(979) 864-1712

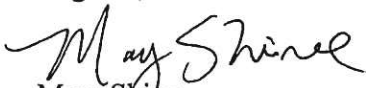
Laurie Gharis  
Texas Commission on Environmental Quality  
December 16, 2022  
Page 3

assemblages of submerged aquatic vegetation on the Upper Texas Coast. Christmas Bay is one of the last pristine estuaries on the Texas Gulf Coast. The County is concerned that TCEQ's classification of this system as a freshwater system fails to take into account the fluctuating tidal nature of this delicate ecosystem. Bastrop Bayou provides valuable habitat for endangered or threatened shorebirds, waterfowl, grassland species, and birds of prey and the area borders on the Brazoria National Wildlife Refuge. The discharge would enter the Bayou only a mile upstream of TCEQ stream segment 1105, which Texas Parks and Wildlife describes as ecologically significant.

Further concern is that Undine Texas Environmental LLC's Board of Directors also manages and operates Undine Texas LLC that provides public water to numerous subdivisions. These two companies share the exact same board members. TCEQ has an extensive complaint history on Undine LLC and at least 10 complaints on Undine Texas Environment, LLC since 2018. Attached with this letter are a list of complaints received by TCEQ. It is unrealistic to believe that this company would operate this facility with a greater degree of care than the systems they currently maintain.

Brazoria County requests a contested case hearing based on the aforementioned factors. Should you have any questions, please do not hesitate to contact me office at 979-864-1233. My office's fax number is 979-864-1712. The District Attorney's address is 111 East Locust Street, Suite 408A, Angleton, Texas 77515. The County Judge's Office is 111 East Locust Street, Suite 102A, Angleton, Texas 77515.

Regards,



Mary Shine  
Assistant District Attorney  
On behalf of Brazoria County

cc: L.M. "Matt" Sebesta, Jr. County Judge  
Donald "Dude" Payne, Commissioner Precinct 1  
Ryan Cade, Commissioner Precinct 2  
Stacy Adams, Commissioner Precinct 3  
David Linder, Commissioner, Precinct 4

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

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(979) 864-1712

## TCEQ Web Access to Complaint Information

Your search returned 10 records. You may also view and save this list with additional fields (county, region) as an  Excel spreadsheet.

1-10 of 10 Records

Complaint Tracking # ▼	RN	RE Name	Associated Customer	Status	County	Received Date
365750	RN102344157	GRAND RANCH PHASE 2	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	JOHNSON	08/26/2021
359716	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	06/03/2021
359532	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/31/2021
359530	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/31/2021
359528	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/30/2021
350824	RN102287109	MAYFAIR ADDITION	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	TARRANT	02/16/2021
343377	RN103637807	LAGUNA HARBOR WWTP	CN600624589 BOLIVAR PENINSULA SUD CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	10/05/2020
334152	RN101522464	SUGARTREE WWTF	CN602295370 GENERIC INCIDENT PRINCIPAL CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	04/12/2020
319345	RN101522464	SUGARTREE WWTF	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	08/20/2019
292278	RN101522464	SUGARTREE WWTF	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	08/17/2018

1-10 of 10 Records

[Search Again](#)

### Search Criteria

CN: CN604519330

Water System

Undine IX LLC

Empire

COMPLAINT TRACKING NO.	RN	RE NAME	LS_INCID_PRINC	STATUS	COUNTY	RECEIVED DATE	REGION
379843	RN101252534	PIONEER TRAILS SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	05/17/2022	12
376698	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	03/18/2022	12
376438	RN102660287	SOUTHWOOD ESTATES	CN605397827	CLOSED	CHAMBERS	03/09/2022	12
375939	RN102660287	SOUTHWOOD ESTATES	CN605397827	CLOSED	CHAMBERS	03/09/2022	12
375938	RN102660287	SOUTHWOOD ESTATES	CN605397827	CLOSED	CHAMBERS	03/09/2022	12
374951	RN102666705	APACHE HILLS	CN605397827	CLOSED	CHAMBERS	02/23/2022	9
374951	RN102666705	APACHE HILLS	CN605397827	CLOSED	CHAMBERS	02/23/2022	9
374933	RN102666705	APACHE HILLS	CN605397827	CLOSED	CHAMBERS	02/23/2022	9
374937	RN101259595	BUFFALO CREEK	CN605397827	CLOSED	BURLESON	02/23/2022	9
371691	RN101268191	TOWN BLUFF WATER SYSTEM	CN605397827	CLOSED	BURLESON	02/09/2022	9
370446	RN102666705	APACHE HILLS	CN605397827	CLOSED	BURLESON	12/16/2021	4
370353	RN102666705	APACHE HILLS	CN605397827	CLOSED	TYLER	11/22/2021	10
367362	RN102666705	APACHE HILLS	CN605397827	CLOSED	BURLESON	11/18/2021	9
367358	RN102666705	APACHE HILLS	CN605397827	CLOSED	BURLESON	09/27/2021	9
367114	RN10187201	COLONY TRAILS SUBDIVISION	CN605397827	CLOSED	BURLESON	09/27/2021	9
364580	RN101280105	JOHN DAME	CN605397827	CLOSED	BURLESON	09/27/2021	9
363707	RN102666705	APACHE HILLS	CN605397827	CLOSED	BURLESON	09/27/2021	9
361651	RN101231975	MEADOWLAKE ESTATES	CN605397827	CLOSED	BURLESON	06/30/2021	9
361259	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	BURLESON	06/30/2021	9
361063	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	BURLESON	06/30/2021	9
361010	RN101450674	SPRING CREEK VALLEY ESTATES	CN605397827	CLOSED	JOHNSON	06/10/2021	4
355016	RN102317591	SAN BERNARD RIVER ESTATES	CN605397827	CLOSED	BURLESON	07/27/2021	9
352747	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	HARRIS	06/02/2021	12
352744	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	CHAMBERS	06/02/2021	12
351698	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	CHAMBERS	06/02/2021	12
350890	RN101207751	LOST LAKES	CN605397827	CLOSED	CHAMBERS	06/02/2021	12
348462	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
348084	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
348082	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
348000	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
347994	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
346918	RN101175057	BEAUMONT PLACE	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
344876	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
339996	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
339045	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
338563	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
337828	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	CLOSED	CHAMBERS	12/22/2020	12
332623	RN101231975	MEADOWLAKE ESTATES	CN605397827	CLOSED	CHAMBERS	12/21/2020	12
332622	RN101175057	BEAUMONT PLACE	CN605397827	CLOSED	CHAMBERS	12/21/2020	12
332621	RN101257301	HIGHLAND RIDGE SUBDIVISION	CN605397827	CLOSED	CHAMBERS	12/21/2020	12
332620	RN101198554	FOREST MANOR SUBDIVISION	CN605397827	CLOSED	CHAMBERS	12/21/2020	12
332609	RN101204303	HEATHERGATE ESTATES	CN605397827	CLOSED	CHAMBERS	12/21/2020	12
332417	RN101251627	HIGHLAND MOBILE HOME SUBDIVISION	CN605397827	CLOSED	CHAMBERS	10/26/2020	12
332416	RN101260255	HUFFMAN HEIGHTS SUBDIVISION	CN605397827	CLOSED	CHAMBERS	08/03/2020	12
332402	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827	CLOSED	CHAMBERS	07/14/2020	12
332398	RN101167128	PEACH CREEK OAKS SUBDIVISION	CN605397827	CLOSED	CHAMBERS	07/05/2020	12
332366	RN101230100	JOY VILLAGE	CN605397827	CLOSED	CHAMBERS	06/25/2020	12
332341	RN101195501	PORTER TERRACE	CN605397827	CLOSED	HARRIS	03/17/2020	12
332340	RN101201127	URBAN ACRES	CN605397827	CLOSED	HARRIS	03/17/2020	12
332339	RN101217552	SPRINGMONT SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332338	RN101252542	SPRING FOREST SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332337	RN101252963	CYPRESS BEND SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332336	RN101241081	CASTLEWOOD SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332335	RN101252534	PIONEER TRAILS SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332334	RN101275287	GREENGATE ACRES SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332333	RN101459501	LAKEWOOD COLONY	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332331	RN101279321	SWEETGUM FOREST	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
331535	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
330911	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	03/04/2020	12
330498	RN101175057	BEAUMONT PLACE	CN605397827	CLOSED	CHAMBERS	03/04/2020	12
329251	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	CHAMBERS	02/14/2020	12
327777	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	CHAMBERS	01/29/2020	12
326973	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	CHAMBERS	12/23/2019	12
326973	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	CHAMBERS	12/17/2019	12

PRINCIPAL:CN605397827 UNINDINE TEXAS LLC

326897	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/17/2019	12
326543	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/30/2019	12
325933	RN101175057	BEAUMONT PLACE	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	12/02/2019	12
323918	RN104038203	GENERIC INCIDENT ZIP CODE 76058	CN605397827	UNDINE TEXAS LLC	CLOSED	JOHNSON	10/24/2019	4
322474	RN101208922	RESERVOIR ACRES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	10/08/2019	12
321642	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	09/23/2019	12
320954	RN102679842	CROWLEY II ACRE SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	JOHNSON	09/16/2019	4
320796	RN101438174	BEAR CREEK ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	TARRANT	09/11/2019	4
319473	RN101252963	CYPRESS BEND SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	08/22/2019	12
317586	RN101283638	BERNARD OAKS SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	07/26/2019	12
315213	RN101208922	RESERVOIR ACRES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	07/07/2019	12
311267	RN101286857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	06/11/2019	12
305263	RN101182608	MARK V ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	03/20/2019	12
304117	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	03/05/2019	12
293146	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	09/26/2018	12
291543	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	09/04/2018	12
288692	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	07/17/2018	12
286476	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	07/17/2018	12
287653	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	07/03/2018	12
287295	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/26/2018	12
287172	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/22/2018	12
287169	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/22/2018	12
287004	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/18/2018	12
286567	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/08/2018	12
286428	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/01/2018	12
286425	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	06/01/2018	12
285579	RN101180693	ROSHARON ROAD ESTATES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	05/29/2018	12
284352	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/16/2018	12
284351	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/16/2018	12
283957	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	05/15/2018	12
283952	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283951	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283949	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283948	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283947	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283946	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283503	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	05/08/2018	12
283406	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	05/08/2018	12
282540	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	04/19/2018	12
277105	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/23/2018	12
276848	RN101241081	CASTLEWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	01/18/2018	12
276793	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/18/2018	12
276779	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/18/2018	12
275258	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/22/2017	12
268221	RN101270312	COUNTRY ACRE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	09/18/2017	12

## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 4:28 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

RFR

**From:** jimmie.silvers@yahoo.com <jimmie.silvers@yahoo.com>  
**Sent:** Friday, December 16, 2022 3:20 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME** RESERVE AT ANGLETON WWTP

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Jimmie Silvers

**EMAIL:** [jimmie.silvers@yahoo.com](mailto:jimmie.silvers@yahoo.com)

**COMPANY:**

**ADDRESS:** 31410 BAYOU BND  
RICHWOOD TX 77515-7091

**PHONE:** 7138187030

**FAX:**

**COMMENTS:** Please reconsider permit application WQ0016046001. I oppose this permit. As a resident living on Bastrop Bayou I am very concerned about the detrimental affect this will have on the ecosystem on the bayou.



## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, December 19, 2022 9:53 AM  
**To:** PUBCOMMENT-WQ; PUBCOMMENT-ELD; PUBCOMMENT-OCC2; PUBCOMMENT-OPIC  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** braz cty Request for Contested Case Hearing.pdf

H

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**From:** stricklyfun@sbcglobal.net <stricklyfun@sbcglobal.net>  
**Sent:** Friday, December 16, 2022 10:23 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** LINDA STRICKLAND

**EMAIL:** [stricklyfun@sbcglobal.net](mailto:stricklyfun@sbcglobal.net)

**COMPANY:**

**ADDRESS:** 726 RIVERSIDE DR  
ANGLETON TX 77515-9118

**PHONE:** 9792018258

**FAX:**

**COMMENTS:** DATE: December 15, 2022 TO: Executive Director Texas Commission on Environmental Quality RE: Undine Texas Environmental, LLC, permit number WQ0016046001 Please accept this as our updated request for a Contested Case Hearing for Timothy and Linda Strickland, 726 Riverside Drive, Angleton. Applicant: Undine Texas Environmental, LLC, permit number WQ0016046001. We have lived on Bastrop Bayou for 21 years approximately 1 mile east from FM

523 bridge. I oppose this plan from Undine Texas Environmental for many reasons, but flooding is the problem that most directly affects us. Our property flooded during the aftermath of Harvey – not from the hurricane rains themselves, but 4 days later as Richwood subdivisions pumped their excess water into the Bastrop Bayou Watershed and ultimately into our bayou. This flooded properties downstream in an attempt to save properties inland. This plan for Undine follows that thinking. Flooding is an ever present problem for us and we pay a high premium in insurance to live here. Healthwise, flooded property is a nightmare of mold, bugs and chemical runoff. This added water flow into our bayou is wrong for many reasons including introducing regular water into a saline ecosystem. Property owners on Bastrop Bayou cannot dispose of our treated wastewater into the bayou. How is it possible that a corporation is allowed this right? There is no question in my mind that this will affect the wildlife, which affects our health, and recreation. I feel the permit as written was neither accurate nor complete. Proper notice of effluents to be discharged was written as 250,000 gallons. At the public meeting we were told the discharge could be four times that. That is a significant increase. I believe that Undine Texas Environmental has other options for the treatment and disposal of their wastewater and request that you deny this application. Along with these concerns, I also agree completely with the information provided to you in the attached letter from Brazoria County. Timothy and Linda Strickland, 726 Riverside Drive, Angleton, Texas 77515 979-201-8258

MARY ALDOUS  
First Assistant  
CHASE CLAYTON  
Chief - Criminal Division



RAETHELLA JONES  
Chief - Civil Division  
E. J. KING, JR.  
Chief Investigator

# TOM SELLECK

CRIMINAL DISTRICT ATTORNEY  
BRAZORIA COUNTY

December 16, 2022

*Via Certified Mail, Return Receipt Requested  
and electronic filing*

Laurie Gharis  
Office of the Chief Clerk,  
MC 105  
TCEQ  
PO Box 13087  
Austin, TX 78711-3087

RE: Undine Texas Environmental, LLC  
TPDES Permit No. WQ0016046001

Dear Chief Clerk Gharis:

Brazoria County (the "County") requests a contested case hearing on the above-referenced permit. Brazoria County has a justiciable interest related this permit. The County qualifies as an affected person under Title 30 Texas Administration Code Section 55.203. The County is a governmental entity with statutory authority over or interest in the issues relevant to the application. In addition, there is a reasonable relationship between the interests claimed by the County and the discharge of the wastewater from the plant. The discharge of the wastewater will adversely impact the aquatic life use and the recreational use of Bastrop Bayou, into which the wastewater would ultimately discharge. The County operates and controls a boat dock which provides public access to the Bayou and connected water systems. The dock and water access is maintained by the County as a governmental function.

It is our firm position and objection to the executive director's response(s) to the numerous comments submitted during the public comment period. Specifically, responses numbers 33, 57, and 63.

Response 33 does not include monitoring requirements for bacterial species important in tidal streams such as Enterococci limits. The effluent will discharge to an impaired tidal waterbody that is currently on the 303d list and, limits for E. Coli are not generally acceptable as monitoring species for tidal waterbodies.

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

Angleton Area  
(979) 864-1233

Houston Area  
(281) 756-1233

Brazosport Area  
(979) 864-1525

Fax-Criminal Division  
(979) 864-1525

Fax-Civil Division  
(979) 864-1712

Response 57 indicates that the Bastrop Bayou and Angleton Drainage District Ditch No. 22 are considered high aquatic life use, but the permit used 2.0 mg/l for dissolved oxygen criteria in the modeling process. High Aquatic life use streams are assigned higher dissolved oxygen criteria such as 4 or 5 mg/l. We feel that this modeling process is not protective of the current life use in the receiving stream.

In addition, in Response 63, the TCEQ mentioned that the discharge is less than three (3) stream miles from the Tidal Bastrop Bayou segment. The proposed confluence location of the drainage ditch to Bastrop Bayou is salt water and it does not appear that saltwater criteria or limitations are being applied in this permit. The 303d list status of Bastrop Bayou for bacteria starts within that three (3) miles downstream of the proposed effluent. TCEQ procedures for the implementation of surface water quality standards require consideration of three (3) stream miles. There are additional objections as well and we find the current responses from the executive director to be unreasonable and unprotective of water quality in Bastrop Bayou Tidal and upstream segments.

Additionally, Brazoria County has concerns that the following questions have not been fully vetted by the process.

1. Whether the discharge from the facility will adversely affect the water quality in Bastrop Bayou;
2. Whether the discharge from the facility will adversely affect the water quality of Christmas Bay, and whether there will be an adverse effect on existing wildlife or aquatic life downstream, specifically sea grasses and fish hatcheries;
3. Whether the proposed discharge from the facility will adversely affect recreation on Bastrop Bayou;
4. Whether the proposed facility will be a hazard to the health of the community in a flood event allowing sewage to become free form in surface water, as the location of the proposed discharge ditch is often inundated and is located in a flood zone;
5. Whether the proposed permit provisions are sufficient to ensure proper operation and maintenance of the proposed facility, as the entity is not a taxing authority or subdivision of the state, the long-term viability and maintenance of the operation to remain in compliance with the permit are at risk and;
6. Whether the salinity of the Bastrop Bayou will be adversely effected by the discharge. Salinity levels within the receiving waterbody is crucial to the aquatic life score. Dilution of the salinity levels may have adverse effect on critical fisheries and other critical habitat.

The proposed domestic wastewater treatment plant would be located in Brazoria County and discharge into the Bastrop Bayou that is an unchannelized bayou flowing into the Galveston Bay Estuary and Christmas Bay, a Texas Coastal Preserve. It is the home of some of the last

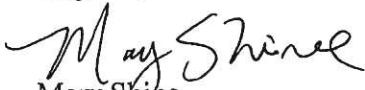
Laurie Gharis  
Texas Commission on Environmental Quality  
December 16, 2022  
Page 3

assemblages of submerged aquatic vegetation on the Upper Texas Coast. Christmas Bay is one of the last pristine estuaries on the Texas Gulf Coast. The County is concerned that TCEQ's classification of this system as a freshwater system fails to take into account the fluctuating tidal nature of this delicate ecosystem. Bastrop Bayou provides valuable habitat for endangered or threatened shorebirds, waterfowl, grassland species, and birds of prey and the area borders on the Brazoria National Wildlife Refuge. The discharge would enter the Bayou only a mile upstream of TCEQ stream segment 1105, which Texas Parks and Wildlife describes as ecologically significant.

Further concern is that Undine Texas Environmental LLC's Board of Directors also manages and operates Undine Texas LLC that provides public water to numerous subdivisions. These two companies share the exact same board members. TCEQ has an extensive complaint history on Undine LLC and at least 10 complaints on Undine Texas Environment, LLC since 2018. Attached with this letter are a list of complaints received by TCEQ. It is unrealistic to believe that this company would operate this facility with a greater degree of care than the systems they currently maintain.

Brazoria County requests a contested case hearing based on the aforementioned factors. Should you have any questions, please do not hesitate to contact me office at 979-864-1233. My office's fax number is 979-864-1712. The District Attorney's address is 111 East Locust Street, Suite 408A, Angleton, Texas 77515. The County Judge's Office is 111 East Locust Street, Suite 102A, Angleton, Texas 77515.

Regards,



Mary Shine  
Assistant District Attorney  
On behalf of Brazoria County

cc: L.M. "Matt" Sebesta, Jr. County Judge  
Donald "Dude" Payne, Commissioner Precinct 1  
Ryan Cade, Commissioner Precinct 2  
Stacy Adams, Commissioner Precinct 3  
David Linder, Commissioner, Precinct 4

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

Angleton Area  
(979) 864-1233

Houston Area  
(281) 756-1233

Brazosport Area  
(979) 864-1525

Fax-Criminal Division  
(979) 864-1525

Fax-Civil Division  
(979) 864-1712

## TCEQ Web Access to Complaint Information

Your search returned 10 records. You may also view and save this list with additional fields (county, region) as an  Excel spreadsheet.

1-10 of 10 Records

Complaint Tracking # ▼	RN	RE Name	Associated Customer	Status	County	Received Date
365750	RN102344157	GRAND RANCH PHASE 2	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	JOHNSON	08/26/2021
359716	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	06/03/2021
359532	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/31/2021
359530	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/31/2021
359528	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/30/2021
350824	RN102287109	MAYFAIR ADDITION	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	TARRANT	02/16/2021
343377	RN103637807	LAGUNA HARBOR WWTP	CN600624589 BOLIVAR PENINSULA SUD CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	10/05/2020
334152	RN101522464	SUGARTREE WWTF	CN602295370 GENERIC INCIDENT PRINCIPAL CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	04/12/2020
319345	RN101522464	SUGARTREE WWTF	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	08/20/2019
292278	RN101522464	SUGARTREE WWTF	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	08/17/2018

1-10 of 10 Records

[Search Again](#)

### Search Criteria

CN: CN604519330

Undine TX LLC

Water System

Chambers Complainant

COMPLAINT TRACKING NO.	RN	RE NAME	LS_INCID_PRINC	STATUS	COUNTY	RECEIVED DATE	REGION
379843	RN101252534	PIONEER TRAILS SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	MONTGOMERY	05/17/2022	12
376698	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827 UNDINE TEXAS LLC	CLOSED	CHAMBERS	03/18/2022	12
376438	RN102660287	SOUTHWOOD ESTATES	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	03/09/2022	12
375839	RN102660287	SOUTHWOOD ESTATES	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	03/08/2022	12
375838	RN102660287	SOUTHWOOD ESTATES	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	03/08/2022	12
374951	RN102666706	APACHE HILLS	CN605397827 UNDINE TEXAS LLC	CLOSED	BURLESON	02/23/2022	9
374833	RN102666706	APACHE HILLS	CN605397827 UNDINE TEXAS LLC	CLOSED	BURLESON	02/22/2022	9
374367	RN101239596	BUFFALO CREEK	CN605397827 UNDINE TEXAS LLC	CLOSED	BURLESON	02/22/2022	9
371691	RN101268191	TOWN BLUFF WATER SYSTEM	CN605397827 UNDINE TEXAS LLC	CLOSED	JOHNSON	02/09/2022	4
370446	RN102666706	APACHE HILLS	PRINCIPAL/CN605397827 UNDINE TEXAS LLC	CLOSED	TYLER	12/16/2021	10
370353	RN102666706	APACHE HILLS	CN605397827 UNDINE TEXAS LLC	CLOSED	BURLESON	11/18/2021	9
367362	RN102666706	APACHE HILLS	CN605397827 UNDINE TEXAS LLC	CLOSED	BURLESON	09/27/2021	9
367358	RN102666706	APACHE HILLS	CN605397827 UNDINE TEXAS LLC	CLOSED	BURLESON	09/27/2021	9
367114	RN101187201	COLONY TRAILS SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	BURLESON	09/20/2021	12
364980	RN101280105	JOHN DAME	CN605397827 UNDINE TEXAS LLC	CLOSED	JOHNSON	09/10/2021	4
363707	RN102666706	APACHE HILLS	CN605397827 UNDINE TEXAS LLC	CLOSED	BURLESON	07/27/2021	9
361661	RN101231975	MEADOWLAKE ESTATES	CN605397827 UNDINE TEXAS LLC	CLOSED	HARRIS	06/30/2021	12
361259	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827 UNDINE TEXAS LLC	CLOSED	HARRIS	06/30/2021	12
361063	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827 UNDINE TEXAS LLC	CLOSED	CHAMBERS	06/30/2021	12
361010	RN101450674	SPRING CREEK VALLEY ESTATES	CN605397827 UNDINE TEXAS LLC	CLOSED	CHAMBERS	06/23/2021	12
359016	RN102317591	SAN BERNARD RIVER ESTATES	CN605397827 UNDINE TEXAS LLC	CLOSED	HARRIS	06/23/2021	12
352744	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	06/23/2021	12
351698	RN105447775	KUCERA FARMS SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	04/29/2021	12
350980	RN101207751	LOST LAKES	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	03/15/2021	12
348462	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827 UNDINE TEXAS LLC	CLOSED	FORT BEND	02/25/2021	12
348084	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827 UNDINE TEXAS LLC	CLOSED	CHAMBERS	02/19/2021	12
348082	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	12/22/2020	12
348080	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	12/21/2020	12
348000	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	12/21/2020	12
347994	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	12/21/2020	12
346918	RN101175057	BEAUMONT PLACE	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	12/21/2020	12
344876	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827 UNDINE TEXAS LLC	CLOSED	HARRIS	12/02/2020	12
339986	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	10/26/2020	12
339044	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	09/03/2020	12
338363	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	07/14/2020	12
337828	RN101197648	BEECHWOOD SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	07/05/2020	12
332623	RN101231975	MEADOWLAKE ESTATES	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	06/25/2020	12
332622	RN101175057	BEAUMONT PLACE	CN605397827 UNDINE TEXAS LLC	CLOSED	HARRIS	03/17/2020	12
332621	RN101257301	HIGHLAND RIDGE SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	HARRIS	03/17/2020	12
332620	RN101786554	FOREST MANOR SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	HARRIS	03/17/2020	12
332609	RN101204303	HEATHERGATE ESTATES	CN605397827 UNDINE TEXAS LLC	CLOSED	HARRIS	03/17/2020	12
332417	RN101251627	HIGHLAND MOBILE HOME SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	HARRIS	03/17/2020	12
332416	RN101260255	HUFFMAN HEIGHTS SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	HARRIS	03/17/2020	12
332402	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	HARRIS	03/17/2020	12
332398	RN101187128	PEACH CREEK OAKS SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	HARRIS	03/17/2020	12
332386	RN101230100	JOY VILLAGE	CN605397827 UNDINE TEXAS LLC	CLOSED	MONTGOMERY	03/17/2020	12
332341	RN101195501	PORTER TERRACE	CN605397827 UNDINE TEXAS LLC	CLOSED	MONTGOMERY	03/17/2020	12
332340	RN101201127	URBAN ACRES SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	MONTGOMERY	03/17/2020	12
332339	RN101217552	SPRINGMONT SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	HARRIS	03/17/2020	12
332338	RN101252542	SPRING FOREST SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	HARRIS	03/17/2020	12
332337	RN101252963	CYPRESS BEND SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	MONTGOMERY	03/17/2020	12
332336	RN101241081	CASTLEWOOD SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	HARRIS	03/17/2020	12
332335	RN101252534	PIONEER TRAILS SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	HARRIS	03/17/2020	12
332334	RN101275287	GREENGATE ACRES SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	MONTGOMERY	03/17/2020	12
332333	RN101458501	LAKEWOOD COLONY	CN605397827 UNDINE TEXAS LLC	CLOSED	HARRIS	03/17/2020	12
332331	RN101279321	SWEETGUM FOREST	CN605397827 UNDINE TEXAS LLC	CLOSED	MONTGOMERY	03/17/2020	12
331535	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	03/04/2020	12
331627	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	03/04/2020	12
330911	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	02/14/2020	12
330498	RN101175057	BEAUMONT PLACE	CN605397827 UNDINE TEXAS LLC	CLOSED	HARRIS	02/14/2020	12
329251	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	FORT BEND	01/28/2020	12
327777	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	BRAZORIA	12/23/2019	12
326973	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827 UNDINE TEXAS LLC	CLOSED	FORT BEND	12/17/2019	12

## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 1:13 PM  
**To:** PUBCOMMENT-WQ; PUBCOMMENT-ELD; PUBCOMMENT-OCC2; PUBCOMMENT-OPIC  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** lindastrick726@gmail.com <lindastrick726@gmail.com>  
**Sent:** Thursday, December 15, 2022 10:30 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Linda Strickland

**EMAIL:** [lindastrick726@gmail.com](mailto:lindastrick726@gmail.com)

**COMPANY:**

**ADDRESS:** 726 RIVERSIDE DR  
ANGLETON TX 77515-9118

**PHONE:** 9792018258

**FAX:**

**COMMENTS:** DATE: December 15, 2022 TO: Executive Director Texas Commission on Environmental Quality RE: Undine Texas Environmental, LLC, permit number WQ0016046001 Please accept this as our request for a Contested Case Hearing for Timothy and Linda Strickland, 726 Riverside Drive, Angleton. Applicant: Undine Texas Environmental, LLC, permit number WQ0016046001. We have lived on Bastrop Bayou for 21 years approximately 1 mile east from FM 523 bridge. I oppose this plan from Undine Texas Environmental for many reasons, but flooding is the problem that most



directly affects us. Our property flooded during the aftermath of Harvey – not from the hurricane rains themselves, but 4 days later as Richwood subdivisions pumped their excess water into the Bastrop Bayou Watershed and ultimately into our bayou. This flooded properties downstream in an attempt to save properties inland. This plan for Undine follows that thinking. Flooding is an ever present problem for us and we pay a high premium in insurance to live here. Healthwise, flooded property is a nightmare of mold, bugs and chemical runoff. This added water flow into our bayou is wrong for many reasons including introducing regular water into a saline ecosystem. Property owners on Bastrop Bayou cannot dispose of our treated wastewater into the bayou. How is it possible that a corporation is allowed this right? There is no question in my mind that this will affect the wildlife, which affects our health, and recreation. I feel the permit as written was neither accurate nor complete. Proper notice of effluents to be discharged was written as 250,000 gallons. At the public meeting we were told the discharge could be four times that. That is a significant increase. I believe that Undine Texas Environmental has other options for the treatment and disposal of their wastewater and request that you deny this application. Timothy and Linda Strickland, 726 Riverside Drive, Angleton, Texas 77515 979-201-8258

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 25, 2022 9:08 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** stricklyfun@sbcglobal.net <stricklyfun@sbcglobal.net>  
**Sent:** Saturday, April 23, 2022 3:26 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Linda Strickland

**EMAIL:** [stricklyfun@sbcglobal.net](mailto:stricklyfun@sbcglobal.net)

**COMPANY:**

**ADDRESS:** 726 RIVERSIDE DR  
ANGLETON TX 77515-9118

**PHONE:** 9792018258

**FAX:**

**COMMENTS:** Please find petition for Public Meeting attacheed

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, April 12, 2022 11:30 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** stricklyfun@sbcglobal.net <stricklyfun@sbcglobal.net>  
**Sent:** Tuesday, April 12, 2022 9:24 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Linda Strickland

**EMAIL:** [stricklyfun@sbcglobal.net](mailto:stricklyfun@sbcglobal.net)

**COMPANY:**

**ADDRESS:** 726 RIVERSIDE DR  
ANGLETON TX 77515-9118

**PHONE:** 9792018258

**FAX:**

**COMMENTS:** We request a Public Meeting to discuss the dumping of wastewater into Bastrop Bayou.

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, April 12, 2022 12:02 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

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**From:** stricklyfun@sbcglobal.net <stricklyfun@sbcglobal.net>  
**Sent:** Monday, April 11, 2022 5:31 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Linda Strickland

**EMAIL:** [stricklyfun@sbcglobal.net](mailto:stricklyfun@sbcglobal.net)

**COMPANY:**

**ADDRESS:** 726 RIVERSIDE DR  
ANGLETON TX 77515-9118

**PHONE:** 9792018258

**FAX:**

**COMMENTS:** I am fundamentally against any dumping into our brackish bayou habitat but even if the water is safe to dump in Bastrop Bayou, the bayou can't handle it. My waterfront lots go under water 6 or more times a year. Hurricane Harvey is a case in point. My house flooded after the bayou received the floodwaters from inland. Harvey also changed the topography of Bastrop Bayou as much is silted in. Please protect our bayou and protect our properties.

**Michael O'Malley**

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, May 2, 2022 3:24 PM  
**To:** PUBCOMMENT-WQ; PUBCOMMENT-ELD; PUBCOMMENT-OCC2; PUBCOMMENT-OPIC  
**Subject:** FW: Public comment on Permit Number WQ0016046001

MWD  
126449

**From:** stricklyfun@sbcglobal.net <stricklyfun@sbcglobal.net>  
**Sent:** Monday, May 2, 2022 12:30 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTITY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Timothy Strickland

**EMAIL:** [stricklyfun@sbcglobal.net](mailto:stricklyfun@sbcglobal.net)

**COMPANY:**

**ADDRESS:** 726 RIVERSIDE DR  
ANGLETON TX 77515-9118

**PHONE:** 9792018258

**FAX:**

**COMMENTS:** I have questions to be addressed at the Public Meeting. 1. I understand the wastewater will run through pipes, to a ditch, then a second ditch before entering Bastrop Bayou. How far will this wastewater travel before entering the bayou? 2. Will it be tested upon entering the bayou? If so, who does the testing and who reports results? 3. Flooding is becoming more and more frequent. What will be done to keep our property from flooding? 4. Recreational use of the

Bayou is very popular, how will that safety be ensured? 5. Polyfluorinated Substances are a problem in many wastewater treatment plants. How will this be avoided?

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, April 15, 2022 8:08 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** jane.tumlinson@yahoo.com <jane.tumlinson@yahoo.com>  
**Sent:** Thursday, April 14, 2022 10:54 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Jane Tumlinson

**EMAIL:** [jane.tumlinson@yahoo.com](mailto:jane.tumlinson@yahoo.com)

**COMPANY:**

**ADDRESS:** 30 TROUT LN  
FREEPORT TX 77541-7914

**PHONE:** 8323066637

**FAX:**

**COMMENTS:** Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou living at YOUR ADDRESS, Freeport, TX 77541, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this

brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at YOUR CELL / LANDLINE if you have any questions. Sincerely, Jane Tumlinson



## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, December 19, 2022 9:51 AM  
**To:** PUBCOMMENT-WQ; PUBCOMMENT-ELD; PUBCOMMENT-OCC2; PUBCOMMENT-OPIC  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** Request for Contested Case Hearing with Cover Letter4.pdf

H

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**From:** fish4bruce@gmail.com <fish4bruce@gmail.com>  
**Sent:** Friday, December 16, 2022 9:00 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Bruce Vincent

**EMAIL:** [fish4bruce@gmail.com](mailto:fish4bruce@gmail.com)

**COMPANY:**

**ADDRESS:** 403 REDFISH DR  
FREEPORT TX 77541-7997

**PHONE:** 7134436122

**FAX:**

**COMMENTS:** Request for contested case hearing

Laurie Gharis  
Office of the Chief Clerk, MC 105  
TCEQ  
PO Box 13087  
Austin, TX 78711-3087

RE: TPDES Permit No. WQ0016046001

Dear Chief Clerk Gharis:

My name is Bruce Vincent. I request a contested case hearing regarding TPDES Permit No. WQ0016046001 for Undine Texas Environmental, LLC. My property is located at the following address: 403 RedfishDr. Freeport TX 77541 this is only 5 feet from Bastrop Bayou or the Angleton Drainage District ditch into which the proposed wastewater treatment plant will discharge.

I have attached a letter from Brazoria County that lays out the reasons I believe a contested case hearing is necessary. In addition, I believe a contested case hearing is necessary for the following reasons: To protect the salinity and water quality for fish crabs and oysters and the health of all that consume these.

I am an affected person because of the location of my property and because I use the affected waterways for the following purposes: Fishing ,Crabing, boating

The proposed discharge would affect me in the following ways: Eating of fish and crabs

My contact information is below:

Name: Bruce Vincent  
Address: 403 Redfish DR.  
Daytime Phone Number: 7134436122  
Fax Number: \_\_\_\_\_

Thank you for your time and for considering my request.

Sincerely,

Bruce Vincent

MARY ALDOUS  
First Assistant  
  
CHASE CLAYTON  
Chief - Criminal Division



RAETHELLA JONES  
Chief - Civil Division  
  
E. J. KING, JR.  
Chief Investigator

**TOM SELLECK**  
CRIMINAL DISTRICT ATTORNEY  
BRAZORIA COUNTY

December 16, 2022

*Via Certified Mail, Return Receipt Requested  
and electronic filing*

Laurie Gharis  
Office of the Chief Clerk,  
MC 105  
TCEQ  
PO Box 13087  
Austin, TX 78711-3087

RE: Undine Texas Environmental, LLC  
TPDES Permit No. WQ0016046001

Dear Chief Clerk Gharis:

Brazoria County (the "County") requests a contested case hearing on the above-referenced permit. Brazoria County has a justiciable interest related this permit. The County qualifies as an affected person under Title 30 Texas Administration Code Section 55.203. The County is a governmental entity with statutory authority over or interest in the issues relevant to the application. In addition, there is a reasonable relationship between the interests claimed by the County and the discharge of the wastewater from the plant. The discharge of the wastewater will adversely impact the aquatic life use and the recreational use of Bastrop Bayou, into which the wastewater would ultimately discharge. The County operates and controls a boat dock which provides public access to the Bayou and connected water systems. The dock and water access is maintained by the County as a governmental function.

It is our firm position and objection to the executive director's response(s) to the numerous comments submitted during the public comment period. Specifically, responses numbers 33, 57, and 63.

Response 33 does not include monitoring requirements for bacterial species important in tidal streams such as Enterococci limits. The effluent will discharge to an impaired tidal waterbody that is currently on the 303d list and, limits for E. Coli are not generally acceptable as monitoring species for tidal waterbodies.

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

Angleton Area  
(979) 864-1233

Houston Area  
(281) 756-1233

Brazosport Area  
(979) 864-1525

Fax-Criminal Division  
(979) 864-1525

Fax-Civil Division  
(979) 864-1712

Response 57 indicates that the Bastrop Bayou and Angleton Drainage District Ditch No. 22 are considered high aquatic life use, but the permit used 2.0 mg/l for dissolved oxygen criteria in the modeling process. High Aquatic life use streams are assigned higher dissolved oxygen criteria such as 4 or 5 mg/l. We feel that this modeling process is not protective of the current life use in the receiving stream.

In addition, in Response 63, the TCEQ mentioned that the discharge is less than three (3) stream miles from the Tidal Bastrop Bayou segment. The proposed confluence location of the drainage ditch to Bastrop Bayou is salt water and it does not appear that saltwater criteria or limitations are being applied in this permit. The 303d list status of Bastrop Bayou for bacteria starts within that three (3) miles downstream of the proposed effluent. TCEQ procedures for the implementation of surface water quality standards require consideration of three (3) stream miles. There are additional objections as well and we find the current responses from the executive director to be unreasonable and unprotective of water quality in Bastrop Bayou Tidal and upstream segments.

Additionally, Brazoria County has concerns that the following questions have not been fully vetted by the process.

1. Whether the discharge from the facility will adversely affect the water quality in Bastrop Bayou;
2. Whether the discharge from the facility will adversely affect the water quality of Christmas Bay, and whether there will be an adverse effect on existing wildlife or aquatic life downstream, specifically sea grasses and fish hatcheries;
3. Whether the proposed discharge from the facility will adversely affect recreation on Bastrop Bayou;
4. Whether the proposed facility will be a hazard to the health of the community in a flood event allowing sewage to become free form in surface water, as the location of the proposed discharge ditch is often inundated and is located in a flood zone;
5. Whether the proposed permit provisions are sufficient to ensure proper operation and maintenance of the proposed facility, as the entity is not a taxing authority or subdivision of the state, the long-term viability and maintenance of the operation to remain in compliance with the permit are at risk and;
6. Whether the salinity of the Bastrop Bayou will be adversely effected by the discharge. Salinity levels within the receiving waterbody is crucial to the aquatic life score. Dilution of the salinity levels may have adverse effect on critical fisheries and other critical habitat.

The proposed domestic wastewater treatment plant would be located in Brazoria County and discharge into the Bastrop Bayou that is an unchannelized bayou flowing into the Galveston Bay Estuary and Christmas Bay, a Texas Coastal Preserve. It is the home of some of the last

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

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(979) 864-1712

Laurie Gharis  
Texas Commission on Environmental Quality  
December 16, 2022  
Page 3

assemblages of submerged aquatic vegetation on the Upper Texas Coast. Christmas Bay is one of the last pristine estuaries on the Texas Gulf Coast. The County is concerned that TCEQ's classification of this system as a freshwater system fails to take into account the fluctuating tidal nature of this delicate ecosystem. Bastrop Bayou provides valuable habitat for endangered or threatened shorebirds, waterfowl, grassland species, and birds of prey and the area borders on the Brazoria National Wildlife Refuge. The discharge would enter the Bayou only a mile upstream of TCEQ stream segment 1105, which Texas Parks and Wildlife describes as ecologically significant.

Further concern is that Undine Texas Environmental LLC's Board of Directors also manages and operates Undine Texas LLC that provides public water to numerous subdivisions. These two companies share the exact same board members. TCEQ has an extensive complaint history on Undine LLC and at least 10 complaints on Undine Texas Environment, LLC since 2018. Attached with this letter are a list of complaints received by TCEQ. It is unrealistic to believe that this company would operate this facility with a greater degree of care than the systems they currently maintain.

Brazoria County requests a contested case hearing based on the aforementioned factors. Should you have any questions, please do not hesitate to contact me office at 979-864-1233. My office's fax number is 979-864-1712. The District Attorney's address is 111 East Locust Street, Suite 408A, Angleton, Texas 77515. The County Judge's Office is 111 East Locust Street, Suite 102A, Angleton, Texas 77515.

Regards,



Mary Shine

Assistant District Attorney  
On behalf of Brazoria County

cc: L.M. "Matt" Sebesta, Jr. County Judge  
Donald "Dude" Payne, Commissioner Precinct 1  
Ryan Cade, Commissioner Precinct 2  
Stacy Adams, Commissioner Precinct 3  
David Linder, Commissioner, Precinct 4

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

Angleton Area  
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Brazosport Area  
(979) 864-1525

Fax-Criminal Division  
(979) 864-1525

Fax-Civil Division  
(979) 864-1712

## TCEQ Web Access to Complaint Information

Your search returned 10 records. You may also view and save this list with additional fields (county, region) as an  Excel spreadsheet.

1-10 of 10 Records

Complaint Tracking # ▼	RN	RE Name	Associated Customer	Status ⓘ	County	Received Date
365750	RN102344157	GRAND RANCH PHASE 2	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	JOHNSON	08/26/2021
359716	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	06/03/2021
359532	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/31/2021
359530	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/31/2021
359528	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/30/2021
350824	RN102287109	MAYFAIR ADDITION	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	TARRANT	02/16/2021
343377	RN103637807	LAGUNA HARBOR WWTP	CN600624589 BOLIVAR PENINSULA SUD CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	10/05/2020
334152	RN101522464	SUGARTREE WWTF	CN602295370 GENERIC INCIDENT PRINCIPAL CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	04/12/2020
319345	RN101522464	SUGARTREE WWTF	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	08/20/2019
292278	RN101522464	SUGARTREE WWTF	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	08/17/2018

1-10 of 10 Records

[Search Again](#)

### Search Criteria

CN: CN604519330

Undine TX LLC

Water System

Complaints

COMPLAINT TRACKING NO.	RN	RE NAME	LS_INCID_PRINC	STATUS	COUNTY	RECEIVED DATE	REGION
375943	RN101252534	PIONEER TRAILS SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	05/17/2022	12
376698	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	03/19/2022	12
376438	RN102680287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BRAZORIA	03/09/2022	12
375838	RN102680287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BRAZORIA	03/08/2022	12
375838	RN102680287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BRAZORIA	03/08/2022	12
374951	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLINSON	02/23/2022	9
374953	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLINSON	02/23/2022	9
374367	RN101259596	BUFFALO CREEK	CN605397827	CLOSED	JOHNSON	02/09/2022	4
371691	RN101268191	TOWN BLUFF WATER SYSTEM	CN602295370	CLOSED	TYLER	12/16/2021	10
370446	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLINSON	11/22/2021	9
370353	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLINSON	11/18/2021	9
367362	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLINSON	09/27/2021	9
367358	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLINSON	09/27/2021	9
367114	RN101187201	COLONY TRAILS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	09/20/2021	12
364580	RN101280105	JOHN DAME	CN605397827	CLOSED	JOHNSON	08/10/2021	4
363707	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLINSON	07/27/2021	9
361661	RN101231975	MEADOWLAKE ESTATES	CN605397827	CLOSED	HARRIS	06/30/2021	12
361259	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	HARRIS	06/30/2021	12
361063	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	06/30/2021	12
361010	RN101450674	SPRING CREEK VALLEY ESTATES	CN605397827	CLOSED	CHAMBERS	06/23/2021	12
355016	RN102317591	SAN BERNARD RIVER ESTATES	CN605397827	CLOSED	HARRIS	06/24/2021	12
352747	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	04/29/2021	12
352744	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/15/2021	12
351698	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/15/2021	12
350890	RN101207751	LOST LAKES	CN605397827	CLOSED	BRAZORIA	02/25/2021	12
348462	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
348068	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
348000	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
347994	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
346918	RN101175057	BEAUMONT PLACE	CN605397827	CLOSED	CHAMBERS	12/22/2020	12
344876	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
339956	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
339045	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
338363	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
337828	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
332623	RN101231975	MEADOWLAKE ESTATES	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
332622	RN101175057	BEAUMONT PLACE	CN605397827	CLOSED	HARRIS	12/02/2020	12
332621	RN101257301	HIGHLAND RIDGE SUBDIVISION	CN605397827	CLOSED	HARRIS	12/02/2020	12
332620	RN101198654	FOREST MANOR SUBDIVISION	CN605397827	CLOSED	HARRIS	12/02/2020	12
332609	RN101204303	HEATHERGATE ESTATES	CN605397827	CLOSED	HARRIS	07/14/2020	12
332417	RN101251627	HIGHLAND MOBILE HOME SUBDIVISION	CN605397827	CLOSED	BRAZORIA	07/05/2020	12
332416	RN101280255	HUFFMAN HEIGHTS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	06/25/2020	12
332402	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332398	RN101187128	PEACH CREEK OAKS SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332386	RN101230100	JOY VILLAGE	CN605397827	CLOSED	HARRIS	03/17/2020	12
332341	RN101195601	PORTER TERRACE	CN605397827	CLOSED	HARRIS	03/17/2020	12
332340	RN101201127	URBAN ACRES SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332339	RN101217552	SPRINGMONT SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332338	RN101252542	SPRING FOREST SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332337	RN101252963	CYPRESS BEND SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332336	RN101241081	CASTLEWOOD SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332335	RN101252534	PIONEER TRAILS SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332334	RN101275287	GREENGATE ACRES SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332333	RN101459501	LAKEWOOD COLONY	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332331	RN101279321	SWEETGUM FOREST	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
331535	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
331527	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/04/2020	12
330911	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	08/04/2020	12
330468	RN101175057	BEAUMONT PLACE	CN605397827	CLOSED	BRAZORIA	02/14/2020	12
329251	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	HARRIS	01/28/2020	12
327777	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	FORTE BEND	12/23/2019	12
326973	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	FORTE BEND	12/17/2019	12

326897	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/17/2019	12
326843	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/30/2019	12
325933	RN101175057	BEAUMONT PLACE	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	12/02/2019	12
323918	RN104038203	GENERIC INCIDENT ZIP CODE 76058	CN605397827	UNDINE TEXAS LLC	CLOSED	JOHNSON	10/24/2019	4
322474	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	10/08/2019	12
321642	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	09/23/2019	12
320964	RN102679842	CROWLEY II ACRE SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	JOHNSON	09/16/2019	4
320798	RN101438174	BEAR CREEK ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	TARRANT	09/11/2019	4
319473	RN101252963	CYPRESS BEND SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	08/22/2019	12
317586	RN101283638	BERNARD OAKS SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	07/26/2019	12
315213	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	07/07/2019	12
311267	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	06/11/2019	12
305263	RN101182608	MARK V ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	03/20/2019	12
304117	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	03/05/2019	12
293146	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	09/04/2018	12
291543	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	07/17/2018	12
286892	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	07/17/2018	12
288476	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	07/03/2018	12
287653	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/26/2018	12
287295	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/22/2018	12
287172	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/22/2018	12
287169	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/22/2018	12
287004	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/18/2018	12
286567	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/08/2018	12
286428	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/01/2018	12
286435	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	06/01/2018	12
285579	RN101180693	ROSHARON ROAD ESTATES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/29/2018	12
284352	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/16/2018	12
284351	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/16/2018	12
283957	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/15/2018	12
283952	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/14/2018	12
283951	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283949	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283948	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283947	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283946	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283503	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/08/2018	12
283406	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/08/2018	12
282540	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	04/19/2018	12
277105	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/23/2018	12
276848	RN101241081	CASTLEWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	01/18/2018	12
276793	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/18/2018	12
276779	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/18/2018	12
275258	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/22/2017	12
268221	RN101270312	COUNTRY ACRE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	09/18/2017	12



## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 1:23 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

RFR

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**From:** fish4bruce@gmail.com <fish4bruce@gmail.com>  
**Sent:** Friday, December 16, 2022 10:02 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Bruce Vincent

**EMAIL:** [fish4bruce@gmail.com](mailto:fish4bruce@gmail.com)

**COMPANY:**

**ADDRESS:** 403 REDFISH DR  
FREEPORT TX 77541-7997

**PHONE:** 7134436122

**FAX:**

**COMMENTS:** I am writing this letter to ask for the reconsideration of the Undine permit. I live on Bastrop Bayou and I want to protect this watershed from any pollution as should TCEQ. The fact that this watershed does not have a flow but is reliant on tidal movement is a huge concern to take into consideration. Please reconsider and allow Undine time to find an alternate solution i.e. routing to a moving body of water such as the Brazos River or possibly creating a lake to use the water for irrigation. Thank You, Bruce Vincent

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 9:38 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** fish4bruce@gmail.com <fish4bruce@gmail.com>  
**Sent:** Friday, April 15, 2022 12:32 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Bruce Vincent

**EMAIL:** [fish4bruce@gmail.com](mailto:fish4bruce@gmail.com)

**COMPANY:**

**ADDRESS:** 403 REDFISH DR  
FREEPORT TX 77541-7997

**PHONE:** 7134436122

**FAX:**

**COMMENTS:** To whom it may concern ,I am concerned about the discharge of up to 250,000 gal a day of sewer effluent into the waters of Bastrop Bayou. I am requesting a public hearing on this permit application. I believe all other avenues should be examined first to preserve the the water quality and salinity of Bastrop Bayou "ie" retention ponds and surface irrigation. Thanks for your consideration on this matter

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 9:29 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** fish4bruce@gmail.com <fish4bruce@gmail.com>  
**Sent:** Saturday, April 16, 2022 11:17 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Bruce Vincent

**EMAIL:** [fish4bruce@gmail.com](mailto:fish4bruce@gmail.com)

**COMPANY:**

**ADDRESS:** 403 REDFISH DR  
FREEPORT TX 77541-7997

**PHONE:** 7134436122

**FAX:**

**COMMENTS:** I request a public meeting

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, April 12, 2022 5:52 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** WQ0016046001.pdf

H

**From:** jwaite.asm@gmail.com <jwaite.asm@gmail.com>  
**Sent:** Tuesday, April 12, 2022 2:20 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Janet Waite

**EMAIL:** [jwaite.asm@gmail.com](mailto:jwaite.asm@gmail.com)

**COMPANY:**

**ADDRESS:** 131 BASTROP BAYOU DR  
ANGLETON TX 77515-8371

**PHONE:** 9798489346

**FAX:**

**COMMENTS:** Attached Letter

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

04/12/2022

NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR MUNICIPAL  
WASTEWATER: PERMIT NO. WQ0016046001


Dear Sir or Madam:

Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day.

As a resident on Bastrop Bayou living at 131 Bastrop Bayou Dr. I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou.

I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application.

Please feel free to contact me at....979-848-9346. if you have any questions.

Sincerely,  
  
Janet Waite

131 Bastrop Bayou Dr.  
Angleton, TX 77515

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, April 14, 2022 8:31 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

**From:** fishingirl2@gmail.com <fishingirl2@gmail.com>  
**Sent:** Wednesday, April 13, 2022 9:53 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Donna Walker

**EMAIL:** [fishingirl2@gmail.com](mailto:fishingirl2@gmail.com)

**COMPANY:**

**ADDRESS:** 119 REDFISH DR  
FREEPORT TX 77541-7907

**PHONE:** 8324953534

**FAX:**

**COMMENTS:** Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou living at 119 Redfish Drive Freeport, TX 77541, I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this

brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me using my cell number 832-495-3534 if you have any questions. Sincerely, Donna Walker

## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 1:23 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

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**From:** Fishinggirl2@gmail.com <Fishinggirl2@gmail.com>  
**Sent:** Friday, December 16, 2022 10:16 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Donna Walker

**EMAIL:** [Fishinggirl2@gmail.com](mailto:Fishinggirl2@gmail.com)

**COMPANY:**

**ADDRESS:** 119 REDFISH DR  
FREEPORT TX 77541-7907

**PHONE:** 8324953534

**FAX:**

**COMMENTS:** I respectfully oppose the mentioned permit. We have worked very hard to clean up our Bayou System in this area and would like to keep it that way. I am not impressed with Undine compliance history and so I do not trust this to be handled in an efficient manner. Please listen to what the residents of this area are asking for and consider our rights to have a non polluted water system.



## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, December 19, 2022 9:48 AM  
**To:** PUBCOMMENT-WQ; PUBCOMMENT-ELD; PUBCOMMENT-OCC2; PUBCOMMENT-OPIC  
**Subject:** FW: Public comment on Permit Number WQ0016046001

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**From:** Fishingirl2@gmail.com <Fishingirl2@gmail.com>  
**Sent:** Friday, December 16, 2022 8:34 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Donna Walker

**EMAIL:** [Fishingirl2@gmail.com](mailto:Fishingirl2@gmail.com)

**COMPANY:**

**ADDRESS:** 119 REDFISH DR  
FREEPORT TX 77541-7907

**PHONE:** 8324953534

**FAX:**

**COMMENTS:** I respectfully oppose the mentioned permit. We have worked very hard to clean up our Bayou System in this area and would like to keep it that way. I am not impressed with Undine compliance history and so I do not trust this to be handled in an efficient manner. Please listen to what the residents of this area are asking for and consider our rights to have a non polluted water system.

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 18, 2022 9:24 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** fishingirl2@gmail.com <fishingirl2@gmail.com>  
**Sent:** Saturday, April 16, 2022 3:15 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Donna Walker

**EMAIL:** [fishingirl2@gmail.com](mailto:fishingirl2@gmail.com)

**COMPANY:**

**ADDRESS:** 119 REDFISH DR  
FREEPORT TX 77541-7907

**PHONE:** 8324953534

**FAX:**

**COMMENTS:** I request a public meeting to take place

## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 1:21 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

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**From:** jwiegel@comcast.net <jwiegel@comcast.net>  
**Sent:** Friday, December 16, 2022 9:25 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME** RESERVE AT ANGLETON WWTP

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** James Wiegel

**EMAIL:** [jwiegel@comcast.net](mailto:jwiegel@comcast.net)

**COMPANY:**

**ADDRESS:** 32026 BAYOU BND  
RICHWOOD TX 77515-7074

**PHONE:** 8323412902

**FAX:**

**COMMENTS:** I request a public hearing on the discharge of wastewater clean or otherwise in Bastrop Bayou.

## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, December 19, 2022 9:49 AM  
**To:** PUBCOMMENT-WQ; PUBCOMMENT-ELD; PUBCOMMENT-OCC2; PUBCOMMENT-OPIC  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** Request for Contested Case Hearing with Cover Letter.pdf

H

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**From:** czlebis07@gmail.com <czlebis07@gmail.com>  
**Sent:** Friday, December 16, 2022 8:43 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Carole J Zieber

**EMAIL:** [czlebis07@gmail.com](mailto:czlebis07@gmail.com)

**COMPANY:**

**ADDRESS:** 3418 SURREY LN  
DEER PARK TX 77536-5292

**PHONE:** 8327215113

**FAX:**

**COMMENTS:** Dear Chief Clerk Gharis: My name is Carole Zieber. I request a contested case hearing regarding TPDES Permit No. WQ0016046001 for Undine Texas Environmental, LLC. My property is located at the following address: 2515 Bayou Dr. (CR807A) this is only 0 feet from Bastrop Bayou or the Angleton Drainage District ditch into which the proposed wastewater treatment plant will discharge. I have attached a letter from Brazoria County that lays out the

reasons I believe a contested case hearing is necessary. In addition, I believe a contested case hearing is necessary for the following reasons: An unhealthy bayou due to reduced salinity and other contaminants can result in a dead or dying bayou it will affect our lives in the areas of health, finances, water quality, recreation, flooding and wildlife. For example, I am an affected person because of the location of my property and because I use the affected waterways for the following purposes: We live, fish, crab, swim, bird watch, tube and ski, partake in the annual boat parade and Trash Bash, all between Highway 288 and Highway 288B all the way to the Gulf of Mexico, including the tidal portion of ditch 22. The proposed discharge would affect me in the following ways: Health, eating fish and crabs, swimming and skiing could cause medical issues. Finances, medical, food and recreation costs would be affected, approximately 20% of our protein is sourced from the bayou we would have to use other sources to provide that, we would have to pay for recreation outside of the bayou and if we were to get ill we would incur medical expenses. Flooding, any added water in a rain event can make the difference between a home flooding or not. This year we had 4 weeks of a bull tide. These tides caused water to be on or at the edge of our property. Water quality, poor water quality will affect all categories listed above. Wildlife, A dead bayou can not support the aquatic life used to feed the birds and our 4 legged creatures. I feel the permit as written was neither accurate or complete. Proper notice of effluents to be discharged was written as 250,000 gallons. At the public meeting we were told the discharge could be four times that My contact information is below: Name: Carole Zieber Address: 3418 Surrey Lane, Deer Park TX 77536 Daytime Phone Number: 832-721-5113 Fax Number: 832-864-3214 Thank you for your time and for considering my request. Sincerely, Carole Zieber

MARY ALDOUS  
First Assistant  
  
CHASE CLAYTON  
Chief - Criminal Division



RAETHELLA JONES  
Chief - Civil Division  
  
E. J. KING, JR.  
Chief Investigator

# TOM SELLECK

CRIMINAL DISTRICT ATTORNEY  
BRAZORIA COUNTY

December 16, 2022

*Via Certified Mail, Return Receipt Requested  
and electronic filing*

Laurie Gharis  
Office of the Chief Clerk,  
MC 105  
TCEQ  
PO Box 13087  
Austin, TX 78711-3087

RE: Undine Texas Environmental, LLC  
TPDES Permit No. WQ0016046001

Dear Chief Clerk Gharis:

Brazoria County (the "County") requests a contested case hearing on the above-referenced permit. Brazoria County has a justiciable interest related this permit. The County qualifies as an affected person under Title 30 Texas Administration Code Section 55.203. The County is a governmental entity with statutory authority over or interest in the issues relevant to the application. In addition, there is a reasonable relationship between the interests claimed by the County and the discharge of the wastewater from the plant. The discharge of the wastewater will adversely impact the aquatic life use and the recreational use of Bastrop Bayou, into which the wastewater would ultimately discharge. The County operates and controls a boat dock which provides public access to the Bayou and connected water systems. The dock and water access is maintained by the County as a governmental function.

It is our firm position and objection to the executive director's response(s) to the numerous comments submitted during the public comment period. Specifically, responses numbers 33, 57, and 63.

Response 33 does not include monitoring requirements for bacterial species important in tidal streams such as Enterococci limits. The effluent will discharge to an impaired tidal waterbody that is currently on the 303d list and, limits for E. Coli are not generally acceptable as monitoring species for tidal waterbodies.

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

Angleton Area  
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Houston Area  
(281) 756-1233

Brazosport Area  
(979) 864-1525

Fax-Criminal Division  
(979) 864-1525

Fax-Civil Division  
(979) 864-1712

Response 57 indicates that the Bastrop Bayou and Angleton Drainage District Ditch No. 22 are considered high aquatic life use, but the permit used 2.0 mg/l for dissolved oxygen criteria in the modeling process. High Aquatic life use streams are assigned higher dissolved oxygen criteria such as 4 or 5 mg/l. We feel that this modeling process is not protective of the current life use in the receiving stream.

In addition, in Response 63, the TCEQ mentioned that the discharge is less than three (3) stream miles from the Tidal Bastrop Bayou segment. The proposed confluence location of the drainage ditch to Bastrop Bayou is salt water and it does not appear that saltwater criteria or limitations are being applied in this permit. The 303d list status of Bastrop Bayou for bacteria starts within that three (3) miles downstream of the proposed effluent. TCEQ procedures for the implementation of surface water quality standards require consideration of three (3) stream miles. There are additional objections as well and we find the current responses from the executive director to be unreasonable and unprotective of water quality in Bastrop Bayou Tidal and upstream segments.

Additionally, Brazoria County has concerns that the following questions have not been fully vetted by the process.

1. Whether the discharge from the facility will adversely affect the water quality in Bastrop Bayou;
2. Whether the discharge from the facility will adversely affect the water quality of Christmas Bay, and whether there will be an adverse effect on existing wildlife or aquatic life downstream, specifically sea grasses and fish hatcheries;
3. Whether the proposed discharge from the facility will adversely affect recreation on Bastrop Bayou;
4. Whether the proposed facility will be a hazard to the health of the community in a flood event allowing sewage to become free form in surface water, as the location of the proposed discharge ditch is often inundated and is located in a flood zone;
5. Whether the proposed permit provisions are sufficient to ensure proper operation and maintenance of the proposed facility, as the entity is not a taxing authority or subdivision of the state, the long-term viability and maintenance of the operation to remain in compliance with the permit are at risk and;
6. Whether the salinity of the Bastrop Bayou will be adversely effected by the discharge. Salinity levels within the receiving waterbody is crucial to the aquatic life score. Dilution of the salinity levels may have adverse effect on critical fisheries and other critical habitat.

The proposed domestic wastewater treatment plant would be located in Brazoria County and discharge into the Bastrop Bayou that is an unchannelized bayou flowing into the Galveston Bay Estuary and Christmas Bay, a Texas Coastal Preserve. It is the home of some of the last

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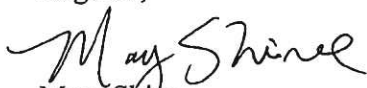
Laurie Gharis  
Texas Commission on Environmental Quality  
December 16, 2022  
Page 3

assemblages of submerged aquatic vegetation on the Upper Texas Coast. Christmas Bay is one of the last pristine estuaries on the Texas Gulf Coast. The County is concerned that TCEQ's classification of this system as a freshwater system fails to take into account the fluctuating tidal nature of this delicate ecosystem. Bastrop Bayou provides valuable habitat for endangered or threatened shorebirds, waterfowl, grassland species, and birds of prey and the area borders on the Brazoria National Wildlife Refuge. The discharge would enter the Bayou only a mile upstream of TCEQ stream segment 1105, which Texas Parks and Wildlife describes as ecologically significant.

Further concern is that Undine Texas Environmental LLC's Board of Directors also manages and operates Undine Texas LLC that provides public water to numerous subdivisions. These two companies share the exact same board members. TCEQ has an extensive complaint history on Undine LLC and at least 10 complaints on Undine Texas Environment, LLC since 2018. Attached with this letter are a list of complaints received by TCEQ. It is unrealistic to believe that this company would operate this facility with a greater degree of care than the systems they currently maintain.

Brazoria County requests a contested case hearing based on the aforementioned factors. Should you have any questions, please do not hesitate to contact me office at 979-864-1233. My office's fax number is 979-864-1712. The District Attorney's address is 111 East Locust Street, Suite 408A, Angleton, Texas 77515. The County Judge's Office is 111 East Locust Street, Suite 102A, Angleton, Texas 77515.

Regards,



Mary Shine

Assistant District Attorney  
On behalf of Brazoria County

cc: L.M. "Matt" Sebesta, Jr. County Judge  
Donald "Dude" Payne, Commissioner Precinct 1  
Ryan Cade, Commissioner Precinct 2  
Stacy Adams, Commissioner Precinct 3  
David Linder, Commissioner, Precinct 4

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## TCEQ Web Access to Complaint Information

Your search returned 10 records. You may also view and save this list with additional fields (county, region) as an  Excel spreadsheet.

1-10 of 10 Records

Complaint Tracking # ▼	RN	RE Name	Associated Customer	Status ?	County	Received Date
365750	RN102344157	GRAND RANCH PHASE 2	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	JOHNSON	08/26/2021
359716	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	06/03/2021
359532	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/31/2021
359530	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/31/2021
359528	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/30/2021
350824	RN102287109	MAYFAIR ADDITION	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	TARRANT	02/16/2021
343377	RN103637807	LAGUNA HARBOR WWTP	CN600624589 BOLIVAR PENINSULA SUD CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	10/05/2020
334152	RN101522464	SUGARTREE WWTF	CN602295370 GENERIC INCIDENT PRINCIPAL CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	04/12/2020
319345	RN101522464	SUGARTREE WWTF	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	08/20/2019
292278	RN101522464	SUGARTREE WWTF	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	08/17/2018

1-10 of 10 Records

[Search Again](#)

### Search Criteria

CN: CN604519330

Undine TX LLC

Water System

Estados Compinans

COMPLAINT TRACKING NO.	RN	RE NAME	LS_INCID_PRINC	STATUS	COUNTY	RECEIVED DATE	REGION
379843	RN101252534	PIONEER TRAILS SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	05/17/2022	12
376998	RN101241222	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	03/18/2022	12
376438	RN102660287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BRAZORIA	03/09/2022	12
375839	RN102660287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BRAZORIA	03/08/2022	12
375838	RN102660287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BRAZORIA	03/08/2022	12
374951	RN102666705	APACHE HILLS	CN605397827	CLOSED	BURLESON	02/23/2022	9
374953	RN102666705	APACHE HILLS	CN605397827	CLOSED	BURLESON	02/22/2022	9
374967	RN101259596	BUFFALO CREEK	CN605397827	CLOSED	BURLESON	02/09/2022	4
371691	RN101268191	TOWN BLUFF WATER SYSTEM	CN605397827	CLOSED	TYLER	12/16/2021	10
370446	RN102666705	APACHE HILLS	CN605397827	CLOSED	BURLESON	11/22/2021	9
370353	RN102666705	APACHE HILLS	CN605397827	CLOSED	BURLESON	11/18/2021	9
367362	RN102666705	APACHE HILLS	CN605397827	CLOSED	BURLESON	09/27/2021	9
367358	RN102666705	APACHE HILLS	CN605397827	CLOSED	BURLESON	09/27/2021	9
367114	RN101187201	COLONY TRAILS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	09/20/2021	12
364580	RN101280105	JOHN DAME	CN605397827	CLOSED	JOHNSON	08/10/2021	4
363707	RN102666705	APACHE HILLS	CN605397827	CLOSED	BURLESON	07/27/2021	9
361661	RN1012319175	MEADOWLAKE ESTATES	CN605397827	CLOSED	HARRIS	06/30/2021	12
361259	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	HARRIS	06/30/2021	12
361063	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	06/23/2021	12
361010	RN101453674	SPRING CREEK VALLEY ESTATES	CN605397827	CLOSED	CHAMBERS	06/23/2021	12
359016	RN102317591	SAN BERNARD RIVER ESTATES	CN605397827	CLOSED	HARRIS	06/24/2021	12
348084	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	04/29/2021	12
348082	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	04/29/2021	12
348080	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	04/15/2021	12
347954	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	03/15/2021	12
346918	RN101175057	BEAUMONT PLACE	CN605397827	CLOSED	FORT BEND	02/25/2021	12
344876	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
339896	RN1011902078	DEMI JOHN I S WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/22/2020	12
339045	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/22/2020	12
338363	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	07/14/2020	12
337828	RN101197548	BEECHWOOD SUBDIVISION	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
332623	RN1012319175	MEADOWLAKE ESTATES	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
332622	RN101175057	BEAUMONT PLACE	CN605397827	CLOSED	HARRIS	12/21/2020	12
332621	RN101257301	HIGHLAND RIDGE SUBDIVISION	CN605397827	CLOSED	HARRIS	10/26/2020	12
332609	RN101198554	FOREST MANOR SUBDIVISION	CN605397827	CLOSED	BRAZORIA	09/03/2020	12
332417	RN101251627	HIGHLAND MOBILE HOME SUBDIVISION	CN605397827	CLOSED	BRAZORIA	07/14/2020	12
332416	RN101250255	HUFFMAN HEIGHTS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	07/05/2020	12
332402	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827	CLOSED	HARRIS	06/25/2020	12
332398	RN101187128	PEACH CREEK OAKS SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332386	RN101230100	JOY VILLAGE	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332341	RN101195501	PORTER TERRACE	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332340	RN101201127	URBAN ACRES SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332339	RN101217552	SPRINGMONT SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332338	RN101252542	SPRING FOREST SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332337	RN101252963	CYPRESS BEND SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332336	RN101241081	CASTLEWOOD SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332335	RN101252534	PIONEER TRAILS SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332334	RN101275287	GREENGATE ACRES SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332333	RN101459501	LAKEWOOD COLONY	CN605397827	CLOSED	HARRIS	03/17/2020	12
332331	RN101279321	SWEETGUM FOREST	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
331535	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/04/2020	12
331527	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/04/2020	12
330911	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	06/04/2020	12
330498	RN101175057	BEAUMONT PLACE	CN605397827	CLOSED	HARRIS	02/14/2020	12
329251	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	FORT BEND	01/28/2020	12
327777	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	12/23/2019	12
326973	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	FORT BEND	12/17/2019	12

326897	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/17/2019	12
326543	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/30/2019	12
323953	RN101175057	BEAUMONT PLACE	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	10/24/2019	12
323918	RN104038203	GENERIC INCIDENT ZIP CODE 76058	CN605397827	UNDINE TEXAS LLC	CLOSED	JOHNSON	10/24/2019	4
322474	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	10/08/2019	12
321642	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	09/23/2019	12
320954	RN102879842	CROWLEY II ACRE SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	JOHNSON	09/16/2019	4
320796	RN101438174	BEAR CREEK ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	TARRANT	09/11/2019	4
319473	RN101252963	CYPRESS BEND SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	08/22/2019	12
317586	RN101263638	BERNARD OAKS SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	07/26/2019	12
315213	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	07/07/2019	12
311267	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	06/11/2019	12
305263	RN101182608	MARK V ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	03/20/2019	12
304117	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	03/05/2019	12
293146	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	09/26/2018	12
291543	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	09/04/2018	12
286692	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	07/17/2018	12
286476	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	07/17/2018	12
287653	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	07/03/2018	12
287295	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/26/2018	12
287172	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/22/2018	12
287169	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/22/2018	12
287004	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/22/2018	12
286567	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/18/2018	12
286428	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/08/2018	12
286425	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/01/2018	12
285579	RN101180693	ROSHARON ROAD ESTATES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	06/01/2018	12
284352	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	05/28/2018	12
284351	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	05/16/2018	12
283957	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/18/2018	12
283952	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	05/15/2018	12
283951	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	05/14/2018	12
283949	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	05/14/2018	12
283948	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	05/14/2018	12
283947	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	05/14/2018	12
283946	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	05/14/2018	12
283503	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283406	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/08/2018	12
282540	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	05/08/2018	12
277105	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	04/19/2018	12
276848	RN101241081	CASTLEWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/23/2018	12
276793	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	01/18/2018	12
276779	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/18/2018	12
275258	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/18/2018	12
268221	RN101270312	COUNTRY ACRE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	12/22/2017	12
						BRAZORIA	09/18/2017	12

**Debbie Zachary**

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, July 29, 2022 9:08 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

**From:** Czlebis07@gmail.com <Czlebis07@gmail.com>  
**Sent:** Thursday, July 28, 2022 11:44 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Carole Zieber

**EMAIL:** [Czlebis07@gmail.com](mailto:Czlebis07@gmail.com)

**COMPANY:**

**ADDRESS:** 3418 SURREY LN  
DEER PARK TX 77536-5292

**PHONE:** 8327215113

**FAX:**

**COMMENTS:** Good evening, Thank you for allowing our community to express our concerns tonight. I think you can tell we all have a lot of passion when it comes to our bayou. I would like to share with you a verbal transaction I had with one of the Undine representatives after the meeting tonight, specifically, it was the tall gentleman sitting on the very far side of the stage (left side while facing it). I was one of the last people in the parking lot as I was walking to my car I noticed his truck was parked right in front of mine. He was standing at his driver's side smoking a cigarette and as I

approached my vehicle I simply said "have a good night" as any Texan would he said "you too", I thought that would be the end of our exchange, but unfortunately it wasn't. As I was stepping onto my running board to get into my truck he said "Hey, you know I have answers if you would ask actual questions." I said "no thank you" he said "ok" I said "you can't answer my questions because your interest is not the same as mine" he acted as if he didn't hear what I said and asked me to repeat myself, so I did "you can't answer my questions because your interest are not the same as mine" he laughed in a very condescending way shrugged his shoulders and said "that's true". And unfortunately that is true. As we agreed our interest is most certainly on the environment and the future of the bayou. Their interest is money, plain and simple. If this man is willing to speak to a potential customer this was with such a ugly thing to say when he heard all the emotions in that room tonight, I can't imagine what it will be like if they are allowed to start dumping into our bayou. Please, I feel like we are fighting for our lives with this. Please consider another solution for the waste water. There has to be another solution to this. Thank you. Carole Zieber

## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, December 19, 2022 9:52 AM  
**To:** PUBCOMMENT-WQ; PUBCOMMENT-ELD; PUBCOMMENT-OCC2; PUBCOMMENT-OPIC  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** Request for Contested Case Hearing with Cover Letter4.pdf

H

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**From:** tammi.zieber@gmail.com <tammi.zieber@gmail.com>  
**Sent:** Friday, December 16, 2022 9:04 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Tammi Zieber

**EMAIL:** [tammi.zieber@gmail.com](mailto:tammi.zieber@gmail.com)

**COMPANY:**

**ADDRESS:** 2515 BAYOU DR  
ANGLETON TX 77515-9121

**PHONE:** 7139072692

**FAX:**

**COMMENTS:** Please accept this as our updated request for a Contested Case Hearing for Charles and Tammi Zieber. Applicant:Undine Texas Environmental, LLC, permit number WQ0016046001. Not only will my husband and I be personally affected, but our children, grandchildren and friends will also be affected. We reside only about 2 miles from where the discharge will enter the bayou. The bayou is our life. We live, fish, crab, swim, bird watch, tube and ski,

partake in the annual boat parade and Trash Bash, all between Highway 288 and Highway 288B all the way to the Gulf of Mexico, including the tidal portion of ditch 22. An unhealthy bayou due to reduced salinity and other contaminants can result in a dead or dying bayou it will affect our lives in the areas of health, finances, water quality, recreation, flooding and wildlife. For example, a. Health, eating fish and crabs, swimming and skiing could cause medical issues. b. Finances, medical, food and recreation costs would be affected, approximately 20% of our protein is sourced from the bayou we would have to use other sources to provide that, we would have to pay for recreation outside of the bayou and if we were to get ill we would incur medical expenses. c. Flooding, any added water in a rain event can make the difference between a home flooding or not. This year we had 4 weeks of a bull tide. These tides caused water to be on or at the edge of our property. d. Water quality, poor water quality will affect all categories listed above. e. Wildlife, A dead bayou can not support the aquatic life used to feed the birds and our 4 legged creatures. I feel the permit as written was neither accurate or complete. Proper notice of effluents to be discharged was written as 250,000 gallons. At the public meeting, we were told the discharge could be four times that. Charles and Tammi Zieber 2515 Bayou Dr. (CR807A), Angleton, TX 77515 713-907-2692 I have attached documents from Brazoria county that I would like to include with my request for a contested case hearing. The documents bring to light additional reasons for a contested case hearing. Thank you.

MARY ALDOUS  
First Assistant  
  
CHASE CLAYTON  
Chief - Criminal Division



RAETHELLA JONES  
Chief - Civil Division  
  
E. J. KING, JR.  
Chief Investigator

**TOM SELLECK**  
**CRIMINAL DISTRICT ATTORNEY**  
**BRAZORIA COUNTY**

December 16, 2022

*Via Certified Mail, Return Receipt Requested  
and electronic filing*

Laurie Gharis  
Office of the Chief Clerk,  
MC 105  
TCEQ  
PO Box 13087  
Austin, TX 78711-3087

RE: Undine Texas Environmental, LLC  
TPDES Permit No. WQ0016046001

Dear Chief Clerk Gharis:

Brazoria County (the "County") requests a contested case hearing on the above-referenced permit. Brazoria County has a justiciable interest related this permit. The County qualifies as an affected person under Title 30 Texas Administration Code Section 55.203. The County is a governmental entity with statutory authority over or interest in the issues relevant to the application. In addition, there is a reasonable relationship between the interests claimed by the County and the discharge of the wastewater from the plant. The discharge of the wastewater will adversely impact the aquatic life use and the recreational use of Bastrop Bayou, into which the wastewater would ultimately discharge. The County operates and controls a boat dock which provides public access to the Bayou and connected water systems. The dock and water access is maintained by the County as a governmental function.

It is our firm position and objection to the executive director's response(s) to the numerous comments submitted during the public comment period. Specifically, responses numbers 33, 57, and 63.

Response 33 does not include monitoring requirements for bacterial species important in tidal streams such as Enterococci limits. The effluent will discharge to an impaired tidal waterbody that is currently on the 303d list and, limits for E. Coli are not generally acceptable as monitoring species for tidal waterbodies.

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

Angleton Area  
(979) 864-1233

Houston Area  
(281) 756-1233

Brazosport Area  
(979) 864-1525

Fax-Criminal Division  
(979) 864-1525

Fax-Civil Division  
(979) 864-1712



Laurie Gharis  
Texas Commission on Environmental Quality  
December 16, 2022  
Page 2

Response 57 indicates that the Bastrop Bayou and Angleton Drainage District Ditch No. 22 are considered high aquatic life use, but the permit used 2.0 mg/l for dissolved oxygen criteria in the modeling process. High Aquatic life use streams are assigned higher dissolved oxygen criteria such as 4 or 5 mg/l. We feel that this modeling process is not protective of the current life use in the receiving stream.

In addition, in Response 63, the TCEQ mentioned that the discharge is less than three (3) stream miles from the Tidal Bastrop Bayou segment. The proposed confluence location of the drainage ditch to Bastrop Bayou is salt water and it does not appear that saltwater criteria or limitations are being applied in this permit. The 303d list status of Bastrop Bayou for bacteria starts within that three (3) miles downstream of the proposed effluent. TCEQ procedures for the implementation of surface water quality standards require consideration of three (3) stream miles. There are additional objections as well and we find the current responses from the executive director to be unreasonable and unprotective of water quality in Bastrop Bayou Tidal and upstream segments.

Additionally, Brazoria County has concerns that the following questions have not been fully vetted by the process.

1. Whether the discharge from the facility will adversely affect the water quality in Bastrop Bayou;
2. Whether the discharge from the facility will adversely affect the water quality of Christmas Bay, and whether there will be an adverse effect on existing wildlife or aquatic life downstream, specifically sea grasses and fish hatcheries;
3. Whether the proposed discharge from the facility will adversely affect recreation on Bastrop Bayou;
4. Whether the proposed facility will be a hazard to the health of the community in a flood event allowing sewage to become free form in surface water, as the location of the proposed discharge ditch is often inundated and is located in a flood zone;
5. Whether the proposed permit provisions are sufficient to ensure proper operation and maintenance of the proposed facility, as the entity is not a taxing authority or subdivision of the state, the long-term viability and maintenance of the operation to remain in compliance with the permit are at risk and;
6. Whether the salinity of the Bastrop Bayou will be adversely effected by the discharge. Salinity levels within the receiving waterbody is crucial to the aquatic life score. Dilution of the salinity levels may have adverse effect on critical fisheries and other critical habitat.

The proposed domestic wastewater treatment plant would be located in Brazoria County and discharge into the Bastrop Bayou that is an unchannelized bayou flowing into the Galveston Bay Estuary and Christmas Bay, a Texas Coastal Preserve. It is the home of some of the last

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

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Fax-Criminal Division  
(979) 864-1525

Fax-Civil Division  
(979) 864-1712

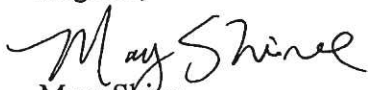
Laurie Gharis  
Texas Commission on Environmental Quality  
December 16, 2022  
Page 3

assemblages of submerged aquatic vegetation on the Upper Texas Coast. Christmas Bay is one of the last pristine estuaries on the Texas Gulf Coast. The County is concerned that TCEQ's classification of this system as a freshwater system fails to take into account the fluctuating tidal nature of this delicate ecosystem. Bastrop Bayou provides valuable habitat for endangered or threatened shorebirds, waterfowl, grassland species, and birds of prey and the area borders on the Brazoria National Wildlife Refuge. The discharge would enter the Bayou only a mile upstream of TCEQ stream segment 1105, which Texas Parks and Wildlife describes as ecologically significant.

Further concern is that Undine Texas Environmental LLC's Board of Directors also manages and operates Undine Texas LLC that provides public water to numerous subdivisions. These two companies share the exact same board members. TCEQ has an extensive complaint history on Undine LLC and at least 10 complaints on Undine Texas Environment, LLC since 2018. Attached with this letter are a list of complaints received by TCEQ. It is unrealistic to believe that this company would operate this facility with a greater degree of care than the systems they currently maintain.

Brazoria County requests a contested case hearing based on the aforementioned factors. Should you have any questions, please do not hesitate to contact me office at 979-864-1233. My office's fax number is 979-864-1712. The District Attorney's address is 111 East Locust Street, Suite 408A, Angleton, Texas 77515. The County Judge's Office is 111 East Locust Street, Suite 102A, Angleton, Texas 77515.

Regards,



Mary Shine  
Assistant District Attorney  
On behalf of Brazoria County

cc: L.M. "Matt" Sebesta, Jr. County Judge  
Donald "Dude" Payne, Commissioner Precinct 1  
Ryan Cade, Commissioner Precinct 2  
Stacy Adams, Commissioner Precinct 3  
David Linder, Commissioner, Precinct 4

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(979) 864-1712

## TCEQ Web Access to Complaint Information

Your search returned 10 records. You may also view and save this list with additional fields (county, region) as an  Excel spreadsheet.

1-10 of 10 Records

Complaint Tracking # ▼	RN	RE Name	Associated Customer	Status	County	Received Date
365750	RN102344157	GRAND RANCH PHASE 2	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	JOHNSON	08/26/2021
359716	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	06/03/2021
359532	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/31/2021
359530	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/31/2021
359528	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/30/2021
350824	RN102287109	MAYFAIR ADDITION	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	TARRANT	02/16/2021
343377	RN103637807	LAGUNA HARBOR WWTP	CN600624589 BOLIVAR PENINSULA SUD CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	10/05/2020
334152	RN101522464	SUGARTREE WWTF	CN602295370 GENERIC INCIDENT PRINCIPAL CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	04/12/2020
319345	RN101522464	SUGARTREE WWTF	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	08/20/2019
292278	RN101522464	SUGARTREE WWTF	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	08/17/2018

1-10 of 10 Records

[Search Again](#)

### Search Criteria

CN: CN604519330

Undine TX LLC

Water System

Estados Unidos

COMPLAINT TRACKING NO.	RN	RE NAME	LS_INCID_PRINC	STATUS	COUNTY	RECEIVED DATE	REGION
379843	RN101252534	PIONEER TRAILS SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	05/17/2022	12
376988	RN101241255	BAYTRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	03/18/2022	12
376438	RN1026860287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BRAZORIA	03/09/2022	12
375939	RN1026860287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BRAZORIA	03/08/2022	12
375938	RN1026860287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BRAZORIA	03/08/2022	12
374951	RN102686705	APACHE HILLS	CN605397827	CLOSED	BURLESON	02/23/2022	9
374033	RN102686705	APACHE HILLS	CN605397827	CLOSED	BURLESON	02/22/2022	9
374987	RN101259595	BUFFALO CREEK	CN605397827	CLOSED	BURLESON	02/09/2022	4
370446	RN101268191	TOWN BLUFF WATER SYSTEM	CN602298370	CLOSED	TYLER	12/16/2021	10
370446	RN102686705	APACHE HILLS	CN605397827	CLOSED	BURLESON	11/18/2021	9
370353	RN102686705	APACHE HILLS	CN605397827	CLOSED	BURLESON	11/18/2021	9
367362	RN102686705	APACHE HILLS	CN605397827	CLOSED	BURLESON	09/27/2021	9
367358	RN102686705	APACHE HILLS	CN605397827	CLOSED	BURLESON	09/27/2021	9
367114	RN101187201	COLONY TRAILS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	09/20/2021	12
364590	RN101280105	JOHN DAME	CN605397827	CLOSED	JOHNSON	08/10/2021	4
363707	RN102686705	APACHE HILLS	CN605397827	CLOSED	BURLESON	07/27/2021	9
361651	RN101231975	MEADOWLAKE ESTATES	CN605397827	CLOSED	HARRIS	06/30/2021	12
361259	RN101241255	BAYTRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	06/30/2021	12
361063	RN101241255	BAYTRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	06/23/2021	12
361010	RN101450674	SPRING CREEK VALLEY ESTATES	CN605397827	CLOSED	HARRIS	06/22/2021	12
355016	RN102317591	SAN BERNARD RIVER ESTATES	CN605397827	CLOSED	BRAZORIA	06/22/2021	12
352747	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	04/29/2021	12
352744	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/15/2021	12
351698	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/15/2021	12
350980	RN101207751	LOST LAKES	CN605397827	CLOSED	FORT BEND	02/25/2021	12
348462	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
348084	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/22/2020	12
348082	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
348000	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
347994	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
346918	RN101175057	BEAUMONT PLACE	CN605397827	CLOSED	HARRIS	12/21/2020	12
344876	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	10/26/2020	12
339986	RN101192078	DEMI JOHN IS WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	09/03/2020	12
339046	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	07/14/2020	12
338963	RN101192078	DEMI JOHN IS WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	07/14/2020	12
337828	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	CLOSED	BRAZORIA	07/05/2020	12
332623	RN101231975	MEADOWLAKE ESTATES	CN605397827	CLOSED	BRAZORIA	06/25/2020	12
332622	RN101175057	BEAUMONT PLACE	CN605397827	CLOSED	HARRIS	03/17/2020	12
332621	RN101257301	HIGHLAND RIDGE SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332609	RN101198554	FOREST MANOR SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332417	RN101251627	HEATHERGATE ESTATES	CN605397827	CLOSED	HARRIS	03/17/2020	12
332416	RN101251627	HIGHLAND MOBILE HOME SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332410	RN101209922	HUFFMAN HEIGHTS SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332398	RN101187128	RESERVOIR ACRES SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332386	RN101230100	PEACH CREEK OAKS SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332341	RN101195501	JOY VILLAGE	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332340	RN101201127	PORTER TERRACE	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332339	RN101217552	URBAN ACRES SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332338	RN101252542	SPRINGMONT SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332337	RN101252542	SPRING FOREST SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332336	RN101252963	CYPRESS BEND SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332335	RN101241081	CATTLEWOOD SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332334	RN101252534	PIONEER TRAILS SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332333	RN101275287	GREENGATE ACRES SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332331	RN101459501	LAKEWOOD COLONY	CN605397827	CLOSED	HARRIS	03/17/2020	12
331535	RN105598775	SWEETGUM FOREST	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
331527	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/04/2020	12
330911	RN101192078	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/04/2020	12
330496	RN101175057	DEMI JOHN IS WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	02/14/2020	12
327777	RN105544775	BEAUMONT PLACE	CN605397827	CLOSED	FORT BEND	01/28/2020	12
327777	RN105598775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	BRAZORIA	12/23/2019	12
326973	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	FORT BEND	12/17/2019	12

326897	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/17/2019	12
326543	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/30/2019	12
325933	RN101179057	BEAUMONT PLACE	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	12/02/2019	12
323918	RN104038203	GENERIC INCIDENT ZIP CODE 76058	CN605397827	UNDINE TEXAS LLC	CLOSED	JOHNSON	10/24/2019	4
322474	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	10/08/2019	12
321642	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	09/23/2019	12
320954	RN102879842	CROWLEY II ACRE SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	JOHNSON	09/16/2019	4
320796	RN101438174	BEAR CREEK ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	TARRANT	09/11/2019	4
319473	RN101252963	CYPRESS BEND SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	09/22/2019	12
317586	RN101283638	BERNARD OAKS SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	07/26/2019	12
315213	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	07/07/2019	12
311267	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	06/11/2019	12
305263	RN101182608	MARK V ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	03/20/2019	12
304117	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	03/05/2019	12
293146	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	09/26/2018	12
291543	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	09/04/2018	12
286592	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	07/17/2018	12
286476	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	07/17/2018	12
287653	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	07/03/2018	12
287295	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/26/2018	12
287172	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/22/2018	12
287169	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/22/2018	12
287004	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/18/2018	12
286528	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/08/2018	12
286425	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/01/2018	12
285579	RN101180693	ROSHARON ROAD ESTATES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	06/01/2018	12
284352	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	05/29/2018	12
284351	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/16/2018	12
283957	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/18/2018	12
283952	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	05/15/2018	12
283951	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283949	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283948	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283947	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283946	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283503	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	05/08/2018	12
283406	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	05/08/2018	12
282540	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	04/19/2018	12
277105	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/23/2018	12
276848	RN101241081	CASTLEWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/18/2018	12
276793	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	01/18/2018	12
276779	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/18/2018	12
275258	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/22/2017	12
268221	RN101270312	COUNTRY ACRE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	RAZORIA	09/18/2017	12

## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, December 12, 2022 9:00 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

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**From:** tammi.zieber@gmail.com <tammi.zieber@gmail.com>  
**Sent:** Saturday, December 10, 2022 5:02 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Charles & Tammi Zieber

**EMAIL:** [tammi.zieber@gmail.com](mailto:tammi.zieber@gmail.com)

**COMPANY:**

**ADDRESS:** 2515 BAYOU DR  
ANGLETON TX 77515-9121

**PHONE:** 7139072692

**FAX:**

**COMMENTS:** Please accept this as our request for a Contested Case Hearing for Charles and Tammi Zieber. Applicant: Undine Texas Environmental, LLC, permit number WQ0016046001. Not only will my husband and I be personally affected, our children, grandchildren and friends will be affected too. We reside only about 2 miles from where the discharge will enter the bayou. The bayou is our life. We live, fish, crab, swim, bird watch, tube and ski, partake in the annual boat parade and Trash Bash, all between Highway 288 and Highway 288B all the way to the Gulf of Mexico,

including the tidal portion of ditch 22. An unhealthy bayou due to reduced salinity and other contaminants can result in a dead or dying bayou it will affect our lives in the areas of health, finances, water quality, recreation, flooding and wildlife. For example, a. Health, eating fish and crabs, swimming and skiing could cause medical issues. b. Finances, medical, food and recreation costs would be affected, approximately 20% of our protein is sourced from the bayou we would have to use other sources to provide that, we would have to pay for recreation outside of the bayou and if we were to get l'll we would incur medical expenses. c. Flooding, any added water in a rain event can make the difference between a home flooding or not. This year we had 4 weeks of a bull tide. These tides caused water to be on or at the edge of our property. d. Water quality, poor water quality will affect all categories listed above. e. Wildlife, A dead bayou can not support the aquatic life used to feed the birds and our 4 legged creatures. I feel the permit as written was neither accurate or complete. Proper notice of effluents to be discharged was written as 250,000 gallons. At the public meeting we were told the discharge could be four times that. Charles and Tammi Zieber, 2515 Bayou Dr. (CR807A), Angleton, TX 77515 713-907-2692

## Christina Bourque

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 9, 2022 4:30 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

H

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**From:** tammi.zieber@gmail.com <tammi.zieber@gmail.com>  
**Sent:** Friday, December 9, 2022 3:00 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Charles & Tammi Zieber

**EMAIL:** [tammi.zieber@gmail.com](mailto:tammi.zieber@gmail.com)

**COMPANY:**

**ADDRESS:** 2515 BAYOU DR  
ANGLETON TX 77515-9121

**PHONE:** 7139072692

**FAX:**

**COMMENTS:** Please accept this as our request for a Contested Case Hearing for Charles and Tammi Zieber. Applicant: Undine Texas Environmental, LLC, permit number WQ0016046001. Not only will my husband and I be personally affected, our children, grandchildren and friends will be affected too. We reside only about 2 miles from where the discharge will enter the bayou. The bayou is our life. We live, fish, crab, swim, bird watch, tube and ski, partake in the annual boat parade and Trash Bash, all between Highway 288 and Highway 288B all the way to the Gulf of Mexico,



including the tidal portion of ditch 22. An unhealthy bayou due to reduced salinity and other contaminants can result in a dead or dying bayou it will affect our lives in the areas of health, finances, water quality, recreation, flooding and wildlife. For example, a. Health, eating fish and crabs, swimming and skiing could cause medical issues. b. Finances, medical, food and recreation costs would be affected, approximately 20% of our protein is sourced from the bayou we would have to use other sources to provide that, we would have to pay for recreation outside of the bayou and if we were to get ill we would incur medical expenses. c. Flooding, any added water in a rain event can make the difference between a home flooding or not. This year we had 4 weeks of a bull tide. These tides caused water to be on or at the edge of our property. d. Water quality, poor water quality will affect all categories listed above. e. Wildlife, A dead bayou can not support the aquatic life used to feed the birds and our 4 legged creatures. I feel the permit as written was neither accurate or complete. Proper notice of effluents to be discharged was written as 250,000 gallons. At the public meeting we were told the discharge could be four times that. Charles and Tammi Zieber, 2515 Bayou Dr. (CR807A), Angleton, TX 77515 713-907-2692

MWD  
1216449

NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR MUNICIPAL WASTEWATER: PERMIT NO. WQ0016046001

Dear Sir or Madam:

United Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day.

As a resident on Bastrop Bayou living at 2515 Bayou Dr., Angleton, TX 77515. I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou.

I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application.

Please feel free to contact me at.....if you have any questions.

**REVIEWED**

APR 05 2022

By SCW

H

Sincerely,  
Charles & Tammi Zieber  
2515 Bayou Dr  
Angleton, TX. 77514

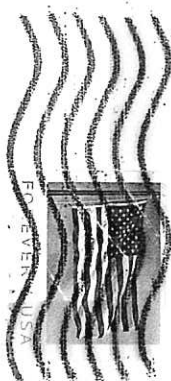
*Charles Zieber Jr*  
*Tammi Zieber*

OFFICE OF THE ATTORNEY GENERAL  
STATE OF TEXAS  
1000 FOSTER FRIEDLAND BUILDING  
AUSTIN, TEXAS 78701  
512.463.2100  
WWW.AGG.TX.GOV

Charles + Terrence Zuber  
2515 Bayou Dr  
Angleton, TX 77515

NORTH HOUSTON TX 773

31 MAR 2022 PM 2 L



Office of the Chief Clerk

RECEIVED Texas Commission on Environmental Quality

APR 05 2022

TCED MAIL CENTER

Dustin, TX

Box 13087

78711-3087

OFFICE OF THE CHIEF CLERK

8:00 AM - 5:00 PM

ENVIRONMENTAL

78711-3087



**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 4, 2022 7:33 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

MWD  
126449

H

**From:** Tammi.zieber@gmail.com <Tammi.zieber@gmail.com>  
**Sent:** Friday, April 1, 2022 4:06 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTITY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Tammi Zieber

**EMAIL:** [Tammi.zieber@gmail.com](mailto:Tammi.zieber@gmail.com)

**COMPANY:**

**ADDRESS:** 2515 BAYOU DR  
ANGLETON TX 77515-9121

**PHONE:** 7139072692

**FAX:**

**COMMENTS:** Re: NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR MUNICIPAL WASTEWATER: PERMIT NO. WQ0016046001 Dear Sir or Madam: Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016046001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 250,000 gallons per day. As a resident on Bastrop Bayou living at 2515

Bayou Dr., Angleton, TX 77515. I have significant concerns regarding this permit application and the potential impacts on the salinity regime of this brackish water system, and as a result, impacts any changes in salinity will have on aquatic species within the bayou. I am requesting a public hearing to learn more about the application, ask questions of the applicant and provide the public ample opportunity to submit comments on the application. Please feel free to contact me at.....if you have any questions. Sincerely, Charles & Tammi Zieber 2515 Bayou Dr Angleton, TX 77515 713-907-2692 Tammi 281-830-3457

WQ  
126449

**Debbie Zachary**

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**From:** PUBCOMMENT-OCC  
**Sent:** Wednesday, August 10, 2022 10:12 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public Meeting July 28, 2022

**Importance:** High

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**From:** Deanna Avalos <Deanna.Avalos@tceq.texas.gov>  
**Sent:** Monday, August 8, 2022 9:28 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** FW: Public Meeting July 28, 2022  
**Importance:** High

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**From:** Nancy Wollam <Nancy.Wollam@house.texas.gov>  
**Sent:** Friday, August 5, 2022 11:20 AM  
**To:** Deanna Avalos <Deanna.Avalos@tceq.texas.gov>  
**Subject:** RE: Public Meeting July 28, 2022  
**Importance:** High

Good morning Deanna,

It was nice meeting last week and appreciate the great job you did at facilitating the public meeting.

I wanted to share with you an email from Tammi Zieber she sent to our office and Governor Abbott's office on comment that was said from an Undine representative.

Dear Governor Abbott,

We the people of Brazoria County need your help.

I'm writing to you about a TCEQ pending permit. The permit number is WQ0016046001. This is for a wastewater treatment plant that wants to dump up to 1,000,000 gallons of chemically treated unfiltered water a day into Bastrop Bayou. Bastrop Bayou is under a Watershed Protection Plan that calls for fewer contaminants dumped in the bayou. It is tidal, not a stream. It is a saltwater bayou. About a month ago we had a bull tide for four weeks. That would have added up to 30,000,000 million gallons of chemically treated wastewater into our bayou with nowhere to go. The company that wants to do this is Undine. If permitted the water will run through 2 ditches, ditch 7 and 22 then into the bayou. There are at least 5 Brazoria County endangered species that live, near or eat from that area. They are the Bald Eagle, White Tailed Hawk, Alligator Gar, Southern Flounder and the Brazoria Crayfish. We had our public meeting with Undine and the TCEQ ON 7/28/2022. There were a couple hundred people at the meeting. Most of our questions were not answered but the ones that were answered seemed to

make no sense for Texas or our bayou. We asked them about the endangered species and their answer was "we use the US Endangered Species list". This is Texas, we have our own list. Texas knows what's endangered here. The question was asked about medications disposed of by throwing them in the toilet and through urine and feces. Answer, we don't test for that. It seems only 1 set of samples were collected and that was about a year ago. This Bayou changes daily, the water changes daily even hourly. We flood here and don't need their added water, chemicals or fecal matter. When TCEQ was asked what do you do if there is an incident or accident. That answer pretty much boiled down to we fine them. Undine pays the fine and they all move on. Next question was "Do you clean it up?" Answer We don't do that. 4 generations of my family currently swim, boat, fish and enjoy just looking at our bayou. We range in age 1 year to 80 years. Undine does have other ways that they could dispose of their wastewater but this is most cost effective for them. I live on the bayou and just spent almost 17,000 to put in a new septic system. Why was it so expensive? Because I can't put my treated wastewater into the bayou. There were more unanswered questions I could tell you about, instead I will copy my daughters comment to TCEQ about what happened to her in the parking lot.

Good evening, Thank you for allowing our community to express our concerns tonight. I think you can tell we all have a lot of passion when it comes to our bayou. **I would like to share with you a verbal transaction I had with one of the Undine representatives after the meeting tonight, specifically, it was the tall gentleman sitting on the very far side of the stage (left side while facing it). I was one of the last people in the parking lot as I was walking to my car I noticed his truck was parked right in front of mine. He was standing at his driver's side smoking a cigarette and as I approached my vehicle I simply said "have a good night" as any Texan would he said "you too", I thought that would be the end of our exchange, but unfortunately it wasn't. As I was stepping onto my running board to get into my truck he said "Hey, you know I have answers if you would ask actual questions." I said "no thank you" he said "ok" I said "you can't answer my questions because your interest is not the same as mine" he acted as if he didn't hear what I said and asked me to repeat myself, so I did "you can't answer my questions because your interest are not the same as mine" he laughed in a very condescending way shrugged his shoulders and said "that's true". And unfortunately that is true. As we agreed our interest is most certainly on the environment and the future of the bayou. Their interest is money, plain and simple. If this man is willing to speak to a potential customer this was with such a ugly thing to say when he heard all the emotions in that room tonight, I can't imagine what it will be like if they are allowed to start dumping into our bayou. Please, I feel like we are fighting for our lives with this. Please consider another solution for the waste water. There has to be another solution to this. Thank you**

Is this the type of company we want here? It's not. Nor do we need or want chemically treated unfiltered wastewater dumped into our bayou killing endangered species and the life we purchased property here for. Thank you for your time.

Tammi Zieber  
713-907-2692

Regards,

Nancy Wollam  
District Director  
Office of St. Rep. Cody Vasut-HD 25  
222 No. Velasco St., Suite 25  
Angleton, TX 77515  
Office: 979-848-1770  
Email: [nancy.wollam@house.texas.gov](mailto:nancy.wollam@house.texas.gov)



WQ0016046001

126449

**Debbie Zachary**

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**From:** PUBCOMMENT-OCC  
**Sent:** Thursday, August 4, 2022 11:40 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

**From:** Tammi.zieber@gmail.com <Tammi.zieber@gmail.com>  
**Sent:** Sunday, July 31, 2022 5:08 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Tammi Zieber

**EMAIL:** [Tammi.zieber@gmail.com](mailto:Tammi.zieber@gmail.com)

**COMPANY:**

**ADDRESS:** 2515 BAYOU DR  
ANGLETON TX 77515-9121

**PHONE:** 7139072692

**FAX:**

**COMMENTS:** Has Total Maximum Daily Load testing been done for substance and salinity for this project? If it has not been done, please accept this as my request for it to be done. Thank you

TCEQ Public Meeting Form  
July 28, 2022

Undine Texas Environmental, LLC  
New TPDES Permit for Municipal Wastewater  
Permit No. WQ0016046001

RECEIVED

JUL 28 2022

PLEASE PRINT

Name: Tammi Zieber

AT PUBLIC MEETING

Mailing Address: 2515 Bayou Dr

Physical Address (if different): \_\_\_\_\_

City/State: Angleton TX Zip: 77515

**\*\*This information is subject to public disclosure under the Texas Public Information Act\*\***

Email: tammi.zieber@gmail.com

Phone Number: 713-907-2692

- Are you here today representing a municipality, legislator, agency, or group?  Yes  No

If yes, which one? \_\_\_\_\_

Please add me to the mailing list.

I wish to provide formal **ORAL COMMENTS** at tonight's public meeting.

I wish to provide formal **WRITTEN COMMENTS** at tonight's public meeting.

my concern is that Undine's decision is financial. They didn't do the wastewater through Angleton because Angleton would not pay for half of the pipe

(Written comments may be submitted at any time during the meeting)

Please give this form to the person at the information table. Thank you.

for the water to travel through to Angleton wastewater plant

**Debbie Zachary**

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, July 29, 2022 8:53 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

**From:** Tammi.zieber@gmail.com <Tammi.zieber@gmail.com>  
**Sent:** Wednesday, July 27, 2022 11:18 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Tammi Zieber

**EMAIL:** [Tammi.zieber@gmail.com](mailto:Tammi.zieber@gmail.com)

**COMPANY:**

**ADDRESS:** 2515 BAYOU DR  
ANGLETON TX 77515-9121

**PHONE:** 7139072692

**FAX:**

**COMMENTS:** Has Total Maximum Daily Load testing been done for substance and salinity for this project? If it has not been done, please accept this as my request for it to be done. Thank you

WQ  
126449

**Debbie Zachary**

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**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, July 26, 2022 8:07 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

**From:** Tammi.zieber@gmail.com <Tammi.zieber@gmail.com>  
**Sent:** Monday, July 25, 2022 1:24 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Tammi Zieber

**EMAIL:** [Tammi.zieber@gmail.com](mailto:Tammi.zieber@gmail.com)

**COMPANY:**

**ADDRESS:** 2515 BAYOU DR  
ANGLETON TX 77515-9121

**PHONE:** 7139072692

**FAX:**

**COMMENTS:** Has Total Maximum Daily Load testing been done for substance and salinity for this project? If it has not been done, please accept this as my request for it to be done. Thank you

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Tuesday, April 26, 2022 1:19 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Comment Not Logged

**From:** Brad Patterson <Brad.Patterson@tceq.texas.gov>  
**Sent:** Tuesday, April 26, 2022 1:10 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** FW: Comment Not Logged

For permit No. WQ0016046001

**From:** Tammi Zieber <tammi.zieber@gmail.com>  
**Sent:** Tuesday, April 26, 2022 11:49 AM  
**To:** Brad Patterson <Brad.Patterson@tceq.texas.gov>  
**Subject:** Comment Not Logged

Per our conversation. Here is my questions and comments I would like addressed at the public meeting.

What type of testing was done to insure the salinity of the water will not change at the entrance of ditch 22 into the bayou or any other location on the bayou?

How many times a day will there be a discharge from the plant?

Why doesn't Undine use their property and create a leachfield as is required by the residents of Brazoria County who don't have city water or sewer?

We are not allowed to discharge our treated wastewater into the bayou why are they?

How often will the discharged water be tested?

We have had a bull tide mainly due to winds for about 10 days now. That would be 2.5 million gallons of water sitting in that area.

What effect will that have on the plant life, aquatic life, birds and people?

Thank you

Tammi Zieber

713-907-2692

[tammi.zieber@gmail.com](mailto:tammi.zieber@gmail.com)

Sent from my iPad

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 25, 2022 9:09 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

**From:** tammi.zieber@gmail.com <tammi.zieber@gmail.com>  
**Sent:** Saturday, April 23, 2022 9:56 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Tammi Zieber

**EMAIL:** [tammi.zieber@gmail.com](mailto:tammi.zieber@gmail.com)

**COMPANY:**

**ADDRESS:** 2515 BAYOU DR  
ANGLETON TX 77515-9121

**PHONE:** 7139072692

**FAX:**

**COMMENTS:** Has there been any testing to see if spike proteins from the Covid Vaccine would survive the treatment process and end up in the ditches and bayou?





**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 25, 2022 8:58 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

**From:** Tammi.zieber@gmail.com <Tammi.zieber@gmail.com>  
**Sent:** Friday, April 22, 2022 6:03 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Tammi Ziebet

**EMAIL:** [Tammi.zieber@gmail.com](mailto:Tammi.zieber@gmail.com)

**COMPANY:**

**ADDRESS:** 2515 BAYOU DR  
ANGLETON TX 77515-9121

**PHONE:** 7139072692

**FAX:**

**COMMENTS:** I would like to know since Bastrop Bayou is impaired How it was determined what the impact would be to the Bayou and details on how you determined that. What was the process used and was the salinity of the water taken into consideration.

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 25, 2022 8:57 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

**From:** tammi.zieber@gmail.com <tammi.zieber@gmail.com>  
**Sent:** Friday, April 22, 2022 8:03 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Tammi Zieber

**EMAIL:** [tammi.zieber@gmail.com](mailto:tammi.zieber@gmail.com)

**COMPANY:**

**ADDRESS:** 2515 BAYOU DR  
ANGLETON TX 77515-9121

**PHONE:** 7139072692

**FAX:**

**COMMENTS:** I would like to know since Bastrop Bayou is impaired How it was determined what the impact would be to the Bayou and details on how you determined that. What was the process used and was the salinity of the water taken into consideration.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Monday, April 25, 2022 8:58 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

**From:** tammi.zieber@gmail.com <tammi.zieber@gmail.com>  
**Sent:** Friday, April 22, 2022 7:05 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME** RESERVE AT ANGLETON WWTP

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Tammi Zieber

**EMAIL:** [tammi.zieber@gmail.com](mailto:tammi.zieber@gmail.com)

**COMPANY:**

**ADDRESS:** 2515 BAYOU DR  
ANGLETON TX 77515-9121

**PHONE:** 7139072692

**FAX:**

**COMMENTS:** I would like to know since Bastrop Bayou is impaired How it was determined what the impact would be to the Bayou and details on how you determined that. What was the process used and was the salinity of the water taken into consideration.

**Lori Rowe**

---

**From:** PUBCOMMENT-OCC  
**Sent:** Wednesday, April 13, 2022 2:35 PM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** tammi.zieber@gmail.com <tammi.zieber@gmail.com>  
**Sent:** Wednesday, April 13, 2022 11:46 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Tammi Zieber

**EMAIL:** [tammi.zieber@gmail.com](mailto:tammi.zieber@gmail.com)

**COMPANY:**

**ADDRESS:** 2515 BAYOU DR  
ANGLETON TX 77515-9121

**PHONE:** 7139072692

**FAX:**

**COMMENTS:** I am requesting a public meeting for this permit to express my concerns.

## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, December 19, 2022 9:52 AM  
**To:** PUBCOMMENT-WQ; PUBCOMMENT-ELD; PUBCOMMENT-OCC2; PUBCOMMENT-OPIC  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** Request for Contested Case Hearing with Cover Letter4.pdf

H

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**From:** c.zieber@hotmail.com <c.zieber@hotmail.com>  
**Sent:** Friday, December 16, 2022 9:18 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Charles E Zieber, III

**EMAIL:** [c.zieber@hotmail.com](mailto:c.zieber@hotmail.com)

**COMPANY:**

**ADDRESS:** 3112 MISTY SHORE DR  
LEAGUE CITY TX 77573-5989

**PHONE:** 2818307353

**FAX:**

**COMMENTS:** Dear Chief Clerk Gharis: My name is Charles and Heather Zieber. I request a contested case hearing regarding TPDES Permit No. WQ0016046001 for Undine Texas Environmental, LLC. My property is located at the following address: 2515 Bayou Dr. (CR807A) this is only 0 feet from Bastrop Bayou or the Angleton Drainage District ditch into which the proposed wastewater treatment plant will discharge. I have attached a letter from Brazoria County

that lays out the reasons I believe a contested case hearing is necessary. In addition, I believe a contested case hearing is necessary for the following reasons: An unhealthy bayou due to reduced salinity and other contaminants can result in a dead or dying bayou it will affect our lives in the areas of health, finances, water quality, recreation, flooding and wildlife. For example, I am an affected person because of the location of my property and because I use the affected waterways for the following purposes: We live, fish, crab, swim, bird watch, tube and ski, partake in the annual boat parade and Trash Bash, all between Highway 288 and Highway 288B all the way to the Gulf of Mexico, including the tidal portion of ditch 22. The proposed discharge would affect me in the following ways: Health, eating fish and crabs, swimming and skiing could cause medical issues. Finances, medical, food and recreation costs would be affected, approximately 20% of our protein is sourced from the bayou we would have to use other sources to provide that, we would have to pay for recreation outside of the bayou and if we were to get ill we would incur medical expenses. Flooding, any added water in a rain event can make the difference between a home flooding or not. This year we had 4 weeks of a bull tide. These tides caused water to be on or at the edge of our property. Water quality, poor water quality will affect all categories listed above. Wildlife, A dead bayou can not support the aquatic life used to feed the birds and our 4 legged creatures. I feel the permit as written was neither accurate or complete. Proper notice of effluents to be discharged was written as 250,000 gallons. At the public meeting we were told the discharge could be four times that. My contact information is below: Name: Charles and Heather Zieber Address: 3112 Misty Shore Drive, League City TX 77573 Daytime Phone Number: 281-830-7353 Fax Number: Thank you for your time and for considering my request. Sincerely, Charles Zieber

MARY ALDOUS  
First Assistant  
CHASE CLAYTON  
Chief - Criminal Division



RAETHELLA JONES  
Chief - Civil Division  
E. J. KING, JR.  
Chief Investigator

**TOM SELLECK**  
CRIMINAL DISTRICT ATTORNEY  
BRAZORIA COUNTY

December 16, 2022

*Via Certified Mail, Return Receipt Requested  
and electronic filing*

Laurie Gharis  
Office of the Chief Clerk,  
MC 105  
TCEQ  
PO Box 13087  
Austin, TX 78711-3087

RE: Undine Texas Environmental, LLC  
TPDES Permit No. WQ0016046001

Dear Chief Clerk Gharis:

Brazoria County (the "County") requests a contested case hearing on the above-referenced permit. Brazoria County has a justiciable interest related this permit. The County qualifies as an affected person under Title 30 Texas Administration Code Section 55.203. The County is a governmental entity with statutory authority over or interest in the issues relevant to the application. In addition, there is a reasonable relationship between the interests claimed by the County and the discharge of the wastewater from the plant. The discharge of the wastewater will adversely impact the aquatic life use and the recreational use of Bastrop Bayou, into which the wastewater would ultimately discharge. The County operates and controls a boat dock which provides public access to the Bayou and connected water systems. The dock and water access is maintained by the County as a governmental function.

It is our firm position and objection to the executive director's response(s) to the numerous comments submitted during the public comment period. Specifically, responses numbers 33, 57, and 63.

Response 33 does not include monitoring requirements for bacterial species important in tidal streams such as Enterococci limits. The effluent will discharge to an impaired tidal waterbody that is currently on the 303d list and, limits for E. Coli are not generally acceptable as monitoring species for tidal waterbodies.

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

Angleton Area  
(979) 864-1233

Houston Area  
(281) 756-1233

Brazosport Area  
(979) 864-1525

Fax-Criminal Division  
(979) 864-1525

Fax-Civil Division  
(979) 864-1712

Response 57 indicates that the Bastrop Bayou and Angleton Drainage District Ditch No. 22 are considered high aquatic life use, but the permit used 2.0 mg/l for dissolved oxygen criteria in the modeling process. High Aquatic life use streams are assigned higher dissolved oxygen criteria such as 4 or 5 mg/l. We feel that this modeling process is not protective of the current life use in the receiving stream.

In addition, in Response 63, the TCEQ mentioned that the discharge is less than three (3) stream miles from the Tidal Bastrop Bayou segment. The proposed confluence location of the drainage ditch to Bastrop Bayou is salt water and it does not appear that saltwater criteria or limitations are being applied in this permit. The 303d list status of Bastrop Bayou for bacteria starts within that three (3) miles downstream of the proposed effluent. TCEQ procedures for the implementation of surface water quality standards require consideration of three (3) stream miles. There are additional objections as well and we find the current responses from the executive director to be unreasonable and unprotective of water quality in Bastrop Bayou Tidal and upstream segments.

Additionally, Brazoria County has concerns that the following questions have not been fully vetted by the process.

1. Whether the discharge from the facility will adversely affect the water quality in Bastrop Bayou;
2. Whether the discharge from the facility will adversely affect the water quality of Christmas Bay, and whether there will be an adverse effect on existing wildlife or aquatic life downstream, specifically sea grasses and fish hatcheries;
3. Whether the proposed discharge from the facility will adversely affect recreation on Bastrop Bayou;
4. Whether the proposed facility will be a hazard to the health of the community in a flood event allowing sewage to become free form in surface water, as the location of the proposed discharge ditch is often inundated and is located in a flood zone;
5. Whether the proposed permit provisions are sufficient to ensure proper operation and maintenance of the proposed facility, as the entity is not a taxing authority or subdivision of the state, the long-term viability and maintenance of the operation to remain in compliance with the permit are at risk and;
6. Whether the salinity of the Bastrop Bayou will be adversely effected by the discharge. Salinity levels within the receiving waterbody is crucial to the aquatic life score. Dilution of the salinity levels may have adverse effect on critical fisheries and other critical habitat.

The proposed domestic wastewater treatment plant would be located in Brazoria County and discharge into the Bastrop Bayou that is an unchannelized bayou flowing into the Galveston Bay Estuary and Christmas Bay, a Texas Coastal Preserve. It is the home of some of the last

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515



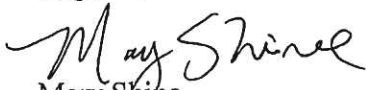
Laurie Gharis  
Texas Commission on Environmental Quality  
December 16, 2022  
Page 3

assemblages of submerged aquatic vegetation on the Upper Texas Coast. Christmas Bay is one of the last pristine estuaries on the Texas Gulf Coast. The County is concerned that TCEQ's classification of this system as a freshwater system fails to take into account the fluctuating tidal nature of this delicate ecosystem. Bastrop Bayou provides valuable habitat for endangered or threatened shorebirds, waterfowl, grassland species, and birds of prey and the area borders on the Brazoria National Wildlife Refuge. The discharge would enter the Bayou only a mile upstream of TCEQ stream segment 1105, which Texas Parks and Wildlife describes as ecologically significant.

Further concern is that Undine Texas Environmental LLC's Board of Directors also manages and operates Undine Texas LLC that provides public water to numerous subdivisions. These two companies share the exact same board members. TCEQ has an extensive complaint history on Undine LLC and at least 10 complaints on Undine Texas Environment, LLC since 2018. Attached with this letter are a list of complaints received by TCEQ. It is unrealistic to believe that this company would operate this facility with a greater degree of care than the systems they currently maintain.

Brazoria County requests a contested case hearing based on the aforementioned factors. Should you have any questions, please do not hesitate to contact me office at 979-864-1233. My office's fax number is 979-864-1712. The District Attorney's address is 111 East Locust Street, Suite 408A, Angleton, Texas 77515. The County Judge's Office is 111 East Locust Street, Suite 102A, Angleton, Texas 77515.

Regards,



Mary Shine  
Assistant District Attorney  
On behalf of Brazoria County

cc: L.M. "Matt" Sebesta, Jr. County Judge  
Donald "Dude" Payne, Commissioner Precinct 1  
Ryan Cade, Commissioner Precinct 2  
Stacy Adams, Commissioner Precinct 3  
David Linder, Commissioner, Precinct 4

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

Angleton Area  
(979) 864-1233

Houston Area  
(281) 756-1233

Brazosport Area  
(979) 864-1525

Fax-Criminal Division  
(979) 864-1525

Fax-Civil Division  
(979) 864-1712

## TCEQ Web Access to Complaint Information

Your search returned 10 records. You may also view and save this list with additional fields (county, region) as an  Excel spreadsheet.

1-10 of 10 Records

Complaint Tracking # ▼	RN	RE Name	Associated Customer	Status ⓘ	County	Received Date
365750	RN102344157	GRAND RANCH PHASE 2	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	JOHNSON	08/26/2021
359716	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	06/03/2021
359532	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/31/2021
359530	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/31/2021
359528	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/30/2021
350824	RN102287109	MAYFAIR ADDITION	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	TARRANT	02/16/2021
343377	RN103637807	LAGUNA HARBOR WWTP	CN600624589 BOLIVAR PENINSULA SUD CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	10/05/2020
334152	RN101522464	SUGARTREE WWTF	CN602295370 GENERIC INCIDENT PRINCIPAL CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	04/12/2020
319345	RN101522464	SUGARTREE WWTF	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	08/20/2019
292278	RN101522464	SUGARTREE WWTF	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	08/17/2018

1-10 of 10 Records

[Search Again](#)

### Search Criteria

CN: CN604519330

Undine TX LLC

Water System

Estados Unidos

COMPLAINT TRACKING NO.	RN	RE NAME	I.S. INCID_PRINC	STATUS	COUNTY	RECEIVED DATE	REGION
379843	RN101252534	PIONEER TRAILS SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	05/17/2022	12
376998	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	03/19/2022	12
376438	RN102660287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BRAZORIA	03/09/2022	12
375939	RN102660287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BRAZORIA	03/08/2022	12
375938	RN102660287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BRAZORIA	03/08/2022	12
374951	RN102668706	APACHE HILLS	CN605397827	CLOSED	BURLESON	02/23/2022	9
374893	RN102668706	APACHE HILLS	CN605397827	CLOSED	BURLESON	02/22/2022	9
374387	RN101259595	BUFFALO CREEK	CN605397827	CLOSED	BURLESON	02/09/2022	4
371691	RN101269191	TOWN BLUFF WATER SYSTEM	CN602295370	CLOSED	TYLER	12/16/2021	10
370446	RN102668706	APACHE HILLS	CN605397827	CLOSED	BURLESON	11/22/2021	9
370353	RN102668706	APACHE HILLS	CN605397827	CLOSED	BURLESON	11/19/2021	9
367362	RN102668706	APACHE HILLS	CN605397827	CLOSED	BURLESON	09/27/2021	9
367358	RN102668706	APACHE HILLS	CN605397827	CLOSED	BURLESON	09/27/2021	9
367114	RN101187201	COLONY TRAILS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	09/20/2021	12
364580	RN101280105	JOHN DAME	CN605397827	CLOSED	JOHNSON	08/10/2021	4
363707	RN102668706	APACHE HILLS	CN605397827	CLOSED	BURLESON	07/27/2021	9
361661	RN101231975	MEADOWLAKE ESTATES	CN605397827	CLOSED	HARRIS	06/30/2021	12
361259	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	HARRIS	06/30/2021	12
361063	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	FORT BEND	06/30/2021	12
361010	RN101490674	SPRING CREEK VALLEY ESTATES	CN605397827	CLOSED	CHAMBERS	06/23/2021	12
355016	RN102317591	SAN BERNARD RIVER ESTATES	CN605397827	CLOSED	HARRIS	06/24/2021	12
352747	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	04/29/2021	12
352744	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/15/2021	12
351698	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/15/2021	12
350980	RN101207751	LOST LAKES	CN605397827	CLOSED	CHAMBERS	02/25/2021	12
348462	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
348084	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/22/2020	12
348082	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
348000	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
347994	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
346918	RN101175057	BEAUMONT PLACE	CN605397827	CLOSED	HARRIS	12/02/2020	12
344876	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	10/28/2020	12
339996	RN101192078	DEMI JOHN S WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	09/03/2020	12
339045	RN101190361	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	07/14/2020	12
338763	RN101192078	DEMI JOHN S WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	07/05/2020	12
337828	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	CLOSED	BRAZORIA	06/25/2020	12
332623	RN101231975	MEADOWLAKE ESTATES	CN605397827	CLOSED	HARRIS	03/17/2020	12
332622	RN101175057	BEAUMONT PLACE	CN605397827	CLOSED	HARRIS	03/17/2020	12
332621	RN101257901	HIGHLAND RIDGE SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332620	RN101198954	FOREST MANOR SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332417	RN101251627	HEATHERGATE ESTATES	CN605397827	CLOSED	HARRIS	03/17/2020	12
332416	RN101260255	HIGHLAND MOBILE HOME SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332402	RN101209922	HUFFMAN HEIGHTS SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332386	RN101187128	RESERVOIR ACRES SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332385	RN101230100	PEACH CREEK OAKS SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332341	RN101195501	JOY VILLAGE	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332340	RN101201127	PORTER TERRACE	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332339	RN101217552	URBAN ACRES SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332338	RN101252542	SPRINGMONT SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332337	RN101252542	SPRING FOREST SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332336	RN101252963	CYPRESS BEND SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332335	RN101241081	CASTLEWOOD SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332334	RN101252534	PIONEER TRAILS SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332333	RN101459501	GREENGATE ACRES SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332331	RN101279321	LAKEWOOD COLONY	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
331535	RN105598775	SWEETGUM FOREST	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
331527	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/04/2020	12
330911	RN101192078	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/04/2020	12
330498	RN101175057	DEMI JOHN S WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	06/04/2020	12
329257	RN105447775	BEAUMONT PLACE	CN605397827	CLOSED	HARRIS	01/28/2020	12
327777	RN105598775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	FORT BEND	12/23/2019	12
326973	RN105447775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	12/23/2019	12
326972	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	FORT BEND	12/17/2019	12

326897	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/17/2019	12
326543	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/30/2019	12
325933	RN101175057	BEAUMONT PLACE	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	12/02/2019	12
323918	RN104038203	GENERIC INCIDENT ZIP CODE 76058	CN605397827	UNDINE TEXAS LLC	CLOSED	JOHNSON	10/24/2019	4
322474	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	10/08/2019	12
321642	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	09/23/2019	12
320954	RN102679842	CROWLEY II ACRE SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	JOHNSON	09/16/2019	4
320796	RN101438174	BEAR CREEK ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	TARRANT	09/11/2019	4
319473	RN101252363	CYPRESS BEND SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	08/22/2019	12
317586	RN101285638	BERNARD OAKS SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	07/26/2019	12
315213	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	07/07/2019	12
311267	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	06/11/2019	12
305263	RN101182608	MARK V ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	03/20/2019	12
304117	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	03/05/2019	12
293146	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	03/05/2019	12
291543	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	03/05/2019	12
288692	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	09/04/2018	12
286476	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	07/17/2018	12
287653	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	07/17/2018	12
287295	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	07/03/2018	12
287172	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/26/2018	12
287169	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/22/2018	12
287004	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/22/2018	12
286567	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/18/2018	12
286428	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/08/2018	12
286425	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/01/2018	12
285579	RN101180693	ROSHARON ROAD ESTATES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/29/2018	12
284352	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/16/2018	12
284351	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/16/2018	12
283957	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/16/2018	12
283952	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/15/2018	12
283951	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283949	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283948	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283947	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283946	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283503	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283406	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/08/2018	12
282540	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/08/2018	12
277105	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	04/19/2018	12
276848	RN101241081	CASTLEWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/23/2018	12
276793	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	01/18/2018	12
276779	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/18/2018	12
275298	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/18/2018	12
268621	RN101270312	COUNTRY ACRE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	12/22/2017	12

ROSHARON ROAD ESTATES SUBDIVISION

**Lori Rowe**

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**From:** PUBCOMMENT-OCC  
**Sent:** Wednesday, April 20, 2022 11:07 AM  
**To:** PUBCOMMENT-OCC2; PUBCOMMENT-OPIC; PUBCOMMENT-ELD; PUBCOMMENT-WQ  
**Subject:** FW: Public comment on Permit Number WQ0016046001

PM

**From:** C.ZIEBER@HOTMAIL.COM <C.ZIEBER@HOTMAIL.COM>  
**Sent:** Wednesday, April 20, 2022 10:17 AM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Charles E Zieber, III

**EMAIL:** [C.ZIEBER@HOTMAIL.COM](mailto:C.ZIEBER@HOTMAIL.COM)

**COMPANY:**

**ADDRESS:** 3112 MISTY SHORE DR  
LEAGUE CITY TX 77573-5989

**PHONE:** 2818307353

**FAX:**

**COMMENTS:** I am requesting a public meeting for permit number WQ0016046001

## Vander Gold

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**From:** PUBCOMMENT-OCC  
**Sent:** Friday, December 16, 2022 1:16 PM  
**To:** PUBCOMMENT-WQ; PUBCOMMENT-ELD; PUBCOMMENT-OCC2; PUBCOMMENT-OPIC  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** TCEQ permit WQ0016046001 (Chris Zieber).docx

H

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**From:** chriszieber@att.net <chriszieber@att.net>  
**Sent:** Thursday, December 15, 2022 8:35 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Chris Zieber

**EMAIL:** [chriszieber@att.net](mailto:chriszieber@att.net)

**COMPANY:**

**ADDRESS:** 243 RIVERSIDE DR  
ANGLETON TX 77515-9109

**PHONE:** 7134125977

**FAX:**

**COMMENTS:** TO: Executive Director Texas Commission on Environmental Quality RE: Undine Texas Environmental, LLC, permit number WQ0016046001 Dear Laurie Gharis: Please accept this letter as a request for a Contested Case Hearing for Chris and Traci Zieber. Regarding Applicant: Undine Texas Environmental, LLC permit #WQ00116046001 We have been property owners on Bastrop Bayou for 22 years and our residence is approximately one mile downstream from the

proposed project plan (permit #WQ00116046001) to discharge 250,000 gallons of fresh water a day into the watershed area of Bastrop Bayou, which seems excessive until you hear future estimates of up to 1,000,000 gallons a day to sustain growth under the proposed permit. According to Houston-Galveston Area Council (H-GAG) and Galveston Bay Estuary Program (GBEP); Bastrop Bayou and its tributaries are currently on the State of Texas list of impaired water bodies with localized contamination issues, public health incidents and impairments caused by additional discharges into the watershed areas. The addition of the proposed discharge will not only further compound an existing issue, this will have a significant impact for generations of owners, water skiers, boaters, anglers and wildlife. The items causing the most concerns are, but not limited to:

1. Water Quality/Health Concerns: Much like the case of cholera in 2009 identified in the small Watershed community of Demi-John, approximately 5 miles downstream from the proposed project plan, water quality and health concerns are a huge issue for all residents as this contamination was found due to urban runoff, agricultural operations and 48 % of the problem attributed to heavy concentration of sewage water. While this issue was addressed in the Watershed Protection Program, this issue can/will resurface with high probabilities and with greater intensity with the proposed additional distribution of wastewater. These waters are not only used for recreation, but also support an ecosystem providing life to many species of reptiles, birds, fish and crustaceans. There are many people and families who use these waters for recreation and eat the diverse seafood offerings. Eating any seafood after contamination and/or swimming will cause medical issues both short and long term to me and my family.
2. Flooding: Being so close to the coast, flooding is a major concern for all residents in watershed areas and flooding has become an increased concern as all properties along Bastrop Bayou had extensive flooding during Hurricane Harvey in August 2017. However, the flooding was moderate from the rains from Hurricane Harvey and the watershed areas of Bastrop Bayou performed as intended. Major flooding wasn't experienced until 4 days later as Richwood subdivisions and heavy concentrations of populations pumped excess water into Bastrop Bayou's Watershed, which caused major damage to almost every property along the bayou. Not only water was pumped into the bayou, but copious amounts of silt and sludge were pumped into the watershed area causing additional deposits in the bayou that have raised water levels by as much as 18 inches. The addition of upwards of 1,000,000 gallons will have catastrophic impacts to our already fragile watershed area, especially during heavy rains and storm surge experienced during hurricanes.
3. Financial: Many people along the bayou, including myself, source a portion of their daily food from many areas in the bayou and changing the salinity alone with force many species of seafood from the general areas. This will cause additional cost along with higher insurance premiums from higher likelihood of flooding, higher medical expenses due to the potential for health concerns, recreation costs will escalate due to having to find new places to boat/ski, added cost to raise bulkheads and docks as water levels rise and increased taxes to manage the increased devastation.
4. Algae Bloom: Algae (cyanobacterial – single celled organisms) blooms can grow in fresh water, salt water and brackish water; including water people use for drinking or recreation. The culprits associated with algae bloom are nutrients, nitrogen and phosphorus. There are many studies that show wastewater treatment plants possess and discharge high levels of phosphorus/nutrients if not managed properly. At levels of just 0.1 mg/liter, phosphorus is one of the nutrients leading to the proliferation of harmful algae blooms plaguing the globe (Sargassum seaweed in the oceans) and cyanobacterial blooms in many fresh and brackish waterways in the United States today. Without stringent controls and regulations, these blooms produce toxins that can kill fish, mammals, birds, crustaceans and can cause human illness or even death in extreme conditions. In recent 2018 EPA reports, as few as 29% of major and 8% of non-major wastewater facilities reported phosphorus limits. Additionally, algae can eat up valuable oxygen as they decay, clog gills of fish and invertebrates or smother other aquatic life vital to the ecosystem. There is no question in my mind or any person living on/near these waterways that this will impact many aspects of wildlife, cause health concerns, raise living costs, limit recreation and cause irreversible impacts to the coastal waterways/tributaries. Many feel the permit was neither accurate nor complete. Undine Texas Environment has other options for the treatment and disposal of their wastewater and this request should be denied.

Sincerely, Chris Zieber

Chris Zieber  
243 Riverside Dr.  
Angleton, TX 77515  
713-412-5977 cell  
12/15/22

Laurie Gharis  
Chief Clerk  
TECQ  
PO Box 13087  
Austin, TX 78711-3087

TO: Executive Director Texas Commission on Environmental Quality  
**RE: Undine Texas Environmental, LLC, permit number WQ0016046001**

Dear Laurie Gharis:

Please accept this letter as a request for a Contested Case Hearing for Chris and Traci Zieber.  
Regarding **Applicant: Undine Texas Environmental, LLC permit #WQ0016046001**

We have been property owners on Bastrop Bayou for 22 years and our residence is approximately one mile downstream from the proposed project plan (permit #WQ0016046001) to discharge 250,000 gallons of fresh water a day into the watershed area of Bastrop Bayou, which seems excessive until you hear future estimates of up to 1,000,000 gallons a day to sustain growth under the proposed permit. According to Houston-Galveston Area Council (H-GAG) and Galveston Bay Estuary Program (GBEP); Bastrop Bayou and its tributaries are currently on the State of Texas list of impaired water bodies with localized contamination issues, public health incidents and impairments caused by additional discharges into the watershed areas. The addition of the proposed discharge will not only further compound an existing issue, this will have a significant impact for generations of owners, water skiers, boaters, anglers and wildlife. The items causing the most concerns are, but not limited to:

1. **Water Quality/Health Concerns:** Much like the case of cholera in 2009 identified in the small Watershed community of Demi-John, approximately 5 miles downstream from the proposed project plan, water quality and health concerns are a huge issue for all residents as this contamination was found due to urban runoff, agricultural operations and 48 % of the problem attributed to heavy concentration of sewage water. While this issue was addressed in the Watershed Protection Program, this issue can/will resurface with high probabilities and with greater intensity with the proposed additional distribution of



wastewater. These waters are not only used for recreation, but also support an ecosystem providing life to many species of reptiles, birds, fish and crustaceans. There are many people and families who use these waters for recreation and eat the diverse seafood offerings. Eating any seafood after contamination and/or swimming will cause medical issues both short and long term to me and my family.

2. **Flooding:** Being so close to the coast, flooding is a major concern for all residents in watershed areas and flooding has become an increased concern as all properties along Bastrop Bayou had extensive flooding during Hurricane Harvey in August 2017. However, the flooding was moderate from the rains from Hurricane Harvey and the watershed areas of Bastrop Bayou performed as intended. Major flooding wasn't experienced until 4 days later as Richwood subdivisions and heavy concentrations of populations pumped excess water into Bastrop Bayou's Watershed, which caused major damage to almost every property along the bayou. Not only water was pumped into the bayou, but copious amounts of silt and sludge were pumped into the watershed area causing additional deposits in the bayou that have raised water levels by as much as 18 inches. The addition of upwards of 1,000,000 gallons will have catastrophic impacts to our already fragile watershed area, especially during heavy rains and storm surge experienced during hurricanes.
3. **Financial:** Many people along the bayou, including myself, source a portion of their daily food from many areas in the bayou and changing the salinity alone with force many species of seafood from the general areas. This will cause additional cost along with higher insurance premiums from higher likelihood of flooding, higher medical expenses due to the potential for health concerns, recreation costs will escalate due to having to find new places to boat/ski, added cost to raise bulkheads and docks as water levels rise and increased taxes to manage the increased devastation.
4. **Algae Bloom:** Algae (cyanobacterial – single celled organisms) blooms can grow in fresh water, salt water and brackish water; including water people use for drinking or recreation. The culprits associated with algae bloom are nutrients, nitrogen and phosphorus. There are many studies that show wastewater treatment plants possess and discharge high levels of phosphorus/nutrients if not managed properly. At levels of just 0.1 mg/liter, phosphorus is one of the nutrients leading to the proliferation of harmful algae blooms plaguing the globe (Sargassum seaweed in the oceans) and cyanobacterial blooms in many fresh and brackish waterways in the United States today. Without stringent controls and regulations, these blooms produce toxins that can kill fish, mammals, birds, crustaceans and can cause human illness or even death in extreme conditions. In recent 2018 EPA reports, as few as 29% of major and 8% of non-major wastewater facilities reported phosphorus limits. Additionally, algae can eat up valuable oxygen as they decay, clog gills of fish and invertebrates or smother other aquatic life vital to the ecosystem.

Laurie Gharis

12/15/22

Page 3

There is no question in my mind or any person living on/near these waterways that this will impact many aspects of wildlife, cause health concerns, raise living costs, limit recreation and cause irreversible impacts to the coastal waterways/tributaries. Many feel the permit was neither accurate nor complete. Undine Texas Environment has other options for the treatment and disposal of their wastewater and this request should be denied.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris Zieber". The signature is written in a cursive style with a large, stylized initial "C".

Chris Zieber

**Vander Gold**

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**From:** PUBCOMMENT-OCC  
**Sent:** Monday, December 19, 2022 9:51 AM  
**To:** PUBCOMMENT-WQ; PUBCOMMENT-ELD; PUBCOMMENT-OCC2; PUBCOMMENT-OPIC  
**Subject:** FW: Public comment on Permit Number WQ0016046001  
**Attachments:** Request for Contested Case Hearing with Cover Letter.pdf

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**From:** riley.zlebis@gmail.com <riley.zlebis@gmail.com>  
**Sent:** Friday, December 16, 2022 8:46 PM  
**To:** PUBCOMMENT-OCC <PUBCOMMENT-OCC@tceq.texas.gov>  
**Subject:** Public comment on Permit Number WQ0016046001

**REGULATED ENTY NAME RESERVE AT ANGLETON WWTP**

**RN NUMBER:** RN111343471

**PERMIT NUMBER:** WQ0016046001

**DOCKET NUMBER:**

**COUNTY:** BRAZORIA

**PRINCIPAL NAME:** UNDINE TEXAS ENVIRONMENTAL LLC

**CN NUMBER:** CN604519330

**FROM**

**NAME:** Harper L Zlebis

**EMAIL:** [riley.zlebis@gmail.com](mailto:riley.zlebis@gmail.com)

**COMPANY:**

**ADDRESS:** 3418 SURREY LN  
DEER PARK TX 77536-5292

**PHONE:** 2812168902

**FAX:**

**COMMENTS:** Dear Chief Clerk Gharis: My name is Harper Zlebis. I request a contested case hearing regarding TPDES Permit No. WQ0016046001 for Undine Texas Environmental, LLC. My property is located at the following address: 2515 Bayou Dr. (CR807A) this is only 0 feet from Bastrop Bayou or the Angleton Drainage District ditch into which the proposed wastewater treatment plant will discharge. I have attached a letter from Brazoria County that lays out the

reasons I believe a contested case hearing is necessary. In addition, I believe a contested case hearing is necessary for the following reasons: An unhealthy bayou due to reduced salinity and other contaminants can result in a dead or dying bayou it will affect our lives in the areas of health, finances, water quality, recreation, flooding and wildlife. For example, I am an affected person because of the location of my property and because I use the affected waterways for the following purposes: We live, fish, crab, swim, bird watch, tube and ski, partake in the annual boat parade and Trash Bash, all between Highway 288 and Highway 288B all the way to the Gulf of Mexico, including the tidal portion of ditch 22. The proposed discharge would affect me in the following ways: Health, eating fish and crabs, swimming and skiing could cause medical issues. Finances, medical, food and recreation costs would be affected, approximately 20% of our protein is sourced from the bayou we would have to use other sources to provide that, we would have to pay for recreation outside of the bayou and if we were to get ill we would incur medical expenses. Flooding, any added water in a rain event can make the difference between a home flooding or not. This year we had 4 weeks of a bull tide. These tides caused water to be on or at the edge of our property. Water quality, poor water quality will affect all categories listed above. Wildlife, A dead bayou can not support the aquatic life used to feed the birds and our 4 legged creatures. I feel the permit as written was neither accurate or complete. Proper notice of effluents to be discharged was written as 250,000 gallons. At the public meeting we were told the discharge could be four times that My contact information is below: Name: Harper Zlebis Address: 3418 Surrey Lane, Deer Park TX 77536 Daytime Phone Number: 281-216-8902 Fax Number: 832-864-3214 Thank you for your time and for considering my request. Sincerely, Harper Zlebis

MARY ALDOUS  
First Assistant  
CHASE CLAYTON  
Chief - Criminal Division



RAETHELLA JONES  
Chief - Civil Division  
E. J. KING, JR.  
Chief Investigator

# TOM SELLECK

CRIMINAL DISTRICT ATTORNEY  
BRAZORIA COUNTY

December 16, 2022

*Via Certified Mail, Return Receipt Requested  
and electronic filing*

Laurie Gharis  
Office of the Chief Clerk,  
MC 105  
TCEQ  
PO Box 13087  
Austin, TX 78711-3087

RE: Undine Texas Environmental, LLC  
TPDES Permit No. WQ0016046001

Dear Chief Clerk Gharis:

Brazoria County (the "County") requests a contested case hearing on the above-referenced permit. Brazoria County has a justiciable interest related this permit. The County qualifies as an affected person under Title 30 Texas Administration Code Section 55.203. The County is a governmental entity with statutory authority over or interest in the issues relevant to the application. In addition, there is a reasonable relationship between the interests claimed by the County and the discharge of the wastewater from the plant. The discharge of the wastewater will adversely impact the aquatic life use and the recreational use of Bastrop Bayou, into which the wastewater would ultimately discharge. The County operates and controls a boat dock which provides public access to the Bayou and connected water systems. The dock and water access is maintained by the County as a governmental function.

It is our firm position and objection to the executive director's response(s) to the numerous comments submitted during the public comment period. Specifically, responses numbers 33, 57, and 63.

Response 33 does not include monitoring requirements for bacterial species important in tidal streams such as Enterococci limits. The effluent will discharge to an impaired tidal waterbody that is currently on the 303d list and, limits for E. Coli are not generally acceptable as monitoring species for tidal waterbodies.

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

Angleton Area  
(979) 864-1233

Houston Area  
(281) 756-1233

Brazosport Area  
(979) 864-1525

Fax-Criminal Division  
(979) 864-1525

Fax-Civil Division  
(979) 864-1712

Response 57 indicates that the Bastrop Bayou and Angleton Drainage District Ditch No. 22 are considered high aquatic life use, but the permit used 2.0 mg/l for dissolved oxygen criteria in the modeling process. High Aquatic life use streams are assigned higher dissolved oxygen criteria such as 4 or 5 mg/l. We feel that this modeling process is not protective of the current life use in the receiving stream.

In addition, in Response 63, the TCEQ mentioned that the discharge is less than three (3) stream miles from the Tidal Bastrop Bayou segment. The proposed confluence location of the drainage ditch to Bastrop Bayou is salt water and it does not appear that saltwater criteria or limitations are being applied in this permit. The 303d list status of Bastrop Bayou for bacteria starts within that three (3) miles downstream of the proposed effluent. TCEQ procedures for the implementation of surface water quality standards require consideration of three (3) stream miles. There are additional objections as well and we find the current responses from the executive director to be unreasonable and unprotective of water quality in Bastrop Bayou Tidal and upstream segments.

Additionally, Brazoria County has concerns that the following questions have not been fully vetted by the process.

1. Whether the discharge from the facility will adversely affect the water quality in Bastrop Bayou;
2. Whether the discharge from the facility will adversely affect the water quality of Christmas Bay, and whether there will be an adverse effect on existing wildlife or aquatic life downstream, specifically sea grasses and fish hatcheries;
3. Whether the proposed discharge from the facility will adversely affect recreation on Bastrop Bayou;
4. Whether the proposed facility will be a hazard to the health of the community in a flood event allowing sewage to become free form in surface water, as the location of the proposed discharge ditch is often inundated and is located in a flood zone;
5. Whether the proposed permit provisions are sufficient to ensure proper operation and maintenance of the proposed facility, as the entity is not a taxing authority or subdivision of the state, the long-term viability and maintenance of the operation to remain in compliance with the permit are at risk and;
6. Whether the salinity of the Bastrop Bayou will be adversely effected by the discharge. Salinity levels within the receiving waterbody is crucial to the aquatic life score. Dilution of the salinity levels may have adverse effect on critical fisheries and other critical habitat.

The proposed domestic wastewater treatment plant would be located in Brazoria County and discharge into the Bastrop Bayou that is an unchannelized bayou flowing into the Galveston Bay Estuary and Christmas Bay, a Texas Coastal Preserve. It is the home of some of the last

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

Angleton Area  
(979) 864-1233

Houston Area  
(281) 756-1233

Brazosport Area  
(979) 864-1525

Fax-Criminal Division  
(979) 864-1525

Fax-Civil Division  
(979) 864-1712

Laurie Gharis  
Texas Commission on Environmental Quality  
December 16, 2022  
Page 3

assemblages of submerged aquatic vegetation on the Upper Texas Coast. Christmas Bay is one of the last pristine estuaries on the Texas Gulf Coast. The County is concerned that TCEQ's classification of this system as a freshwater system fails to take into account the fluctuating tidal nature of this delicate ecosystem. Bastrop Bayou provides valuable habitat for endangered or threatened shorebirds, waterfowl, grassland species, and birds of prey and the area borders on the Brazoria National Wildlife Refuge. The discharge would enter the Bayou only a mile upstream of TCEQ stream segment 1105, which Texas Parks and Wildlife describes as ecologically significant.

Further concern is that Undine Texas Environmental LLC's Board of Directors also manages and operates Undine Texas LLC that provides public water to numerous subdivisions. These two companies share the exact same board members. TCEQ has an extensive complaint history on Undine LLC and at least 10 complaints on Undine Texas Environment, LLC since 2018. Attached with this letter are a list of complaints received by TCEQ. It is unrealistic to believe that this company would operate this facility with a greater degree of care than the systems they currently maintain.

Brazoria County requests a contested case hearing based on the aforementioned factors. Should you have any questions, please do not hesitate to contact me office at 979-864-1233. My office's fax number is 979-864-1712. The District Attorney's address is 111 East Locust Street, Suite 408A, Angleton, Texas 77515. The County Judge's Office is 111 East Locust Street, Suite 102A, Angleton, Texas 77515.

Regards,



Mary Shine  
Assistant District Attorney  
On behalf of Brazoria County

cc: L.M. "Matt" Sebesta, Jr. County Judge  
Donald "Dude" Payne, Commissioner Precinct 1  
Ryan Cade, Commissioner Precinct 2  
Stacy Adams, Commissioner Precinct 3  
David Linder, Commissioner, Precinct 4

COUNTY COURTHOUSE, 111 E. LOCUST, SUITE 408A, ANGLETON, TEXAS 77515

Angleton Area  
(979) 864-1233

Houston Area  
(281) 756-1233

Brazosport Area  
(979) 864-1525

Fax-Criminal Division  
(979) 864-1525

Fax-Civil Division  
(979) 864-1712

## TCEQ Web Access to Complaint Information

Your search returned 10 records. You may also view and save this list with additional fields (county, region) as an  Excel spreadsheet.

1-10 of 10 Records

Complaint Tracking # ▼	RN	RE Name	Associated Customer	Status ⓘ	County	Received Date
365750	RN102344157	GRAND RANCH PHASE 2	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	JOHNSON	08/26/2021
359716	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	06/03/2021
359532	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/31/2021
359530	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/31/2021
359528	RN103637807	LAGUNA HARBOR WWTP	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	05/30/2021
350824	RN102287109	MAYFAIR ADDITION	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	TARRANT	02/16/2021
343377	RN103637807	LAGUNA HARBOR WWTP	CN600624589 BOLIVAR PENINSULA SUD CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	GALVESTON	10/05/2020
334152	RN101522464	SUGARTREE WWTF	CN602295370 GENERIC INCIDENT PRINCIPAL CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	04/12/2020
319345	RN101522464	SUGARTREE WWTF	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	08/20/2019
292278	RN101522464	SUGARTREE WWTF	CN604519330 UNDINE TEXAS ENVIRONMENTAL LLC	CLOSED	PARKER	08/17/2018

1-10 of 10 Records

[Search Again](#)

### Search Criteria

CN: CN604519330



Undine IX LLC

Water System

Empiris

COMPLAINT TRACKING NO.	RN	RE NAME	LS_INCID_PRINC	STATUS	COUNTY	RECEIVED DATE	REGION
379843	RN101252534	PIONEER TRAILS SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	05/17/2022	12
376988	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	03/18/2022	12
376458	RN1012680287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BRAZORIA	03/09/2022	12
375639	RN102680287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BRAZORIA	03/08/2022	12
375638	RN102680287	SOUTHWOOD ESTATES	CN605397827	CLOSED	BRAZORIA	03/08/2022	12
374951	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLESON	02/23/2022	9
374933	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLESON	02/22/2022	9
374367	RN1012559596	BUFFALO CREEK	CN605397827	CLOSED	JOHNSON	02/09/2022	4
371691	RN1012681191	TOWN BLUFF WATER SYSTEM	CN602295370	CLOSED	TYLER	12/16/2021	10
370448	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLESON	11/18/2021	9
370353	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLESON	11/18/2021	9
367362	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLESON	09/27/2021	9
367358	RN102686706	APACHE HILLS	CN605397827	CLOSED	BURLESON	09/27/2021	9
367114	RN101187201	COLONY TRAILS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	09/20/2021	12
364590	RN101280105	JOHN DAMIE	CN605397827	CLOSED	JOHNSON	08/10/2021	4
363707	RN102686706	APACHE HILLS	CN605397827	CLOSED	BRAZORIA	07/27/2021	9
361657	RN101231975	MEADOWLAKE ESTATES	CN605397827	CLOSED	BURLESON	06/30/2021	12
361259	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	HARRIS	06/30/2021	12
361063	RN101241255	BAYRIDGE SUBDIVISION WATER SYSTEM	CN605397827	CLOSED	HARRIS	06/30/2021	12
361010	RN101450674	SPRING CREEK VALLEY ESTATES	CN605397827	CLOSED	CHAMBERS	06/23/2021	12
355015	RN102317591	SAN BERNARD RIVER ESTATES	CN605397827	CLOSED	HARRIS	06/24/2021	12
352747	RN100598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	04/29/2021	12
352744	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/15/2021	12
351698	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/15/2021	12
350990	RN101207751	LOST LAKES	CN605397827	CLOSED	FORT BEND	02/25/2021	12
348462	RN101190351	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	CHAMBERS	02/19/2021	12
348084	RN101190351	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/22/2020	12
348082	RN101190351	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
348000	RN101190351	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
347994	RN101190351	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	12/21/2020	12
346918	RN101175057	BEAUMONT PLACE	CN605397827	CLOSED	HARRIS	12/02/2020	12
344876	RN101190351	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	10/26/2020	12
339596	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	08/03/2020	12
339045	RN101190351	DEMI JOHN PLACE WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	07/14/2020	12
338363	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	07/14/2020	12
337828	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	CLOSED	BRAZORIA	06/25/2020	12
332623	RN101231975	MEADOWLAKE ESTATES	CN605397827	CLOSED	BRAZORIA	06/25/2020	12
332622	RN101175057	BEAUMONT PLACE	CN605397827	CLOSED	HARRIS	03/17/2020	12
332621	RN101257301	HIGHLAND RIDGE SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332620	RN101198554	FOREST MANOR SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332609	RN101204303	HEATHERGATE ESTATES	CN605397827	CLOSED	HARRIS	03/17/2020	12
332417	RN101251627	HIGHLAND MOBILE HOME SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332416	RN101260255	HUFFMAN HEIGHTS SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332402	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332398	RN101187128	PEACH CREEK OAKS SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332386	RN101230100	JOY VILLAGE	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332341	RN101198501	FORTER TERRACE	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332340	RN101201127	URBAN ACRES SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332339	RN101217552	SPRINGMONT SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332338	RN101252542	SPRING FOREST SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332337	RN101252963	CYPRESS BEND SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332336	RN101241081	CASTLEWOOD SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332335	RN101252534	PIONEER TRAILS SUBDIVISION	CN605397827	CLOSED	HARRIS	03/17/2020	12
332334	RN101215287	GREENGATE ACRES SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
332333	RN101459501	LAKEWOOD COLONY	CN605397827	CLOSED	HARRIS	03/17/2020	12
332331	RN101279321	SWEETGUM FOREST	CN605397827	CLOSED	MONTGOMERY	03/17/2020	12
331535	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	MONTGOMERY	03/04/2020	12
331527	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	BRAZORIA	03/04/2020	12
330911	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	CLOSED	BRAZORIA	03/04/2020	12
330468	RN101175057	BEAUMONT PLACE	CN605397827	CLOSED	BRAZORIA	08/04/2020	12
329251	RN108447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	HARRIS	02/14/2020	12
327777	RN105598775	KUCERA FARMS SUBDIVISION	CN605397827	CLOSED	FORT BEND	01/28/2020	12
326973	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	BRAZORIA	12/23/2019	12
326973	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	CLOSED	FORT BEND	12/17/2019	12

326897	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/17/2019	12
326543	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/30/2019	12
325933	RN101175057	BEAUMONT PLACE	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	12/02/2019	12
323918	RN104038203	GENERIC INCIDENT ZIP CODE 76058	CN605397827	UNDINE TEXAS LLC	CLOSED	JOHNSON	10/24/2019	4
322474	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	10/08/2019	12
321642	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	09/23/2019	12
320954	RN102679842	CROWLEY II ACRE SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	JOHNSON	09/16/2019	4
320796	RN101438174	BEAR CREEK ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	TARRANT	09/11/2019	4
319473	RN101252963	CYPRESS BEND SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	09/22/2019	12
317586	RN101283638	BERNARD OAKS SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	07/26/2019	12
315213	RN101209922	RESERVOIR ACRES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	07/07/2019	12
311267	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	06/11/2019	12
305263	RN101182608	MARK V ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	03/20/2019	12
304117	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	03/05/2019	12
293146	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	09/26/2018	12
291543	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	09/04/2018	12
288692	RN101256857	RIVERSIDE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	07/17/2018	12
288476	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	07/03/2018	12
287653	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	07/03/2018	12
287285	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/26/2018	12
287172	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/22/2018	12
287169	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/22/2018	12
287004	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/18/2018	12
286567	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/08/2018	12
286428	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	06/01/2018	12
286425	RN101192078	DEMI JOHN I S WATER SYSTEM	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	06/01/2018	12
285579	RN101180693	ROSHARON ROAD ESTATES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/29/2018	12
284352	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/16/2018	12
284351	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/16/2018	12
283957	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/15/2018	12
283952	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/14/2018	12
283951	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283949	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283948	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283947	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283946	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	05/14/2018	12
283503	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/08/2018	12
283406	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	05/08/2018	12
282540	RN101197648	BEECHWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	04/19/2018	12
277105	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/23/2018	12
276848	RN101241081	CASTLEWOOD SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	HARRIS	01/18/2018	12
276793	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/18/2018	12
276779	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	01/18/2018	12
275258	RN105447775	TEJAS LAKES SUBDIVISION	CN605397827	UNDINE TEXAS LLC	CLOSED	FORT BEND	12/22/2017	12
266221	RN101270312	COUNTRY ACRE ESTATES	CN605397827	UNDINE TEXAS LLC	CLOSED	BRAZORIA	09/18/2017	12

TCEQ Public Meeting Form  
July 28, 2022

Undine Texas Environmental, LLC  
New TPDES Permit for Municipal Wastewater  
Permit No. WQ0016046001

PLEASE PRINT

Name: HARPER ZIEBIS

Mailing Address: 3418 SURREY LN. DEER PARK TX 77536

Physical Address (if different): 205 BAYOU DRIVE ANGLETON TX

City/State: \_\_\_\_\_ Zip: \_\_\_\_\_

**\*\*This information is subject to public disclosure under the Texas Public Information Act\*\***

Email: CZIEBIS07@gmail.com

Phone Number: 832-721-5113

• Are you here today representing a municipality, legislator, agency, or group?  Yes  No

If yes, which one? \_\_\_\_\_

Please add me to the mailing list.

I wish to provide formal **ORAL COMMENTS** at tonight's public meeting.

I wish to provide formal **WRITTEN COMMENTS** at tonight's public meeting.

(Written comments may be submitted at any time during the meeting)  
Please give this form to the person at the information table. Thank you.