

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 2, 2019

Michael Shrader
663 County Road 347 South
Cleveland, Texas 77327-8923

Re: Investigation Request at:
Camino Real Wastewater Treatment Facility WWTF, located approximately 1000 feet
north-northeast of the intersection of Paul Campbell Loop Road and Plum Drive, in Liberty
County, Texas 77327
Investigation No.: 1580766
Incident No.: 317138

Dear Mr. Shrader:

The Texas Commission on Environmental Quality (TCEQ) (Region City) Region Office has completed a final investigation in response to your concern regarding the blue colored sewage discharge at the above-referenced facility. Enclosed is a copy of the investigation report.

For more information about our complaint process, you may access the publication GI-278: Do You Want to Make an Environmental Complaint? Do You Have Information or Evidence? on our website at www.tceq.texas.gov.

We appreciate your concern in bringing this matter to our attention. If we can be of further assistance, please contact Mr. Jack Coleman at 713-767-3774.

Sincerely,

A handwritten signature in blue ink, appearing to read "P. Hudson", written over a light blue circular stamp.

Priscilla Hudson
Team Leader
Water Quality
Houston Region Office

PH/JC/tj

Enclosure: Investigation Report

Texas Commission on Environmental Quality Investigation Report

The TCEQ is committed to accessibility. If you need assistance in accessing this document, please contact oce@tceq.texas.gov

Customer: Quadvest, L.P.
Customer Number: CN602944746

Regulated Entity Name: CAMINO REAL WWTP

Regulated Entity Number: RN109018424

Investigation # 1580766

Incident Numbers

317138 317139
317137 317894

Investigator: JACK COLEMAN

Site Classification DOMESTIC MINOR

Conducted: 07/24/2019 -- 07/31/2019

No Industry Code Assigned

Program(s): WASTEWATER

Investigation Type: Compliance Investigation

Location: LOCATED 1000 FT NNW OF THE
INTERSECTION OF PAUL CAMPBELL RD AND
PLUM DR.

Additional ID(s): WQ0015452001
TX0136921

Address: ,
, ,

Local Unit: REGION 12 - HOUSTON

Activity Type(s): WWCMP - WW Complaint

Principal(s):

Role	Name
RESPONDENT	QUADVEST LP

Contact(s):

CAMINO REAL WWTP - CLEVELAND

7/24/2019 to 7/31/2019 Inv. # - 1580766

Page 3 of 6

discharge of wastewater; specifically, during the investigation sewage was observed to be discharging at a rate of 10 to 25 gallons per minute (gpm), failure to include an audiovisual alarm system which transmits alarm conditions through the use of an auto-dialer, supervisory control and data acquisition (SCADA) system, or telemetering system, and failure to secure the lift station in an intruder resistant manner. The alleged violations were resolved on December 20, 2017, January 24, 2018, and August 28, 2018, respectively.

There was one reported unauthorized discharge in the last 18 months preceding the investigation. This discharge occurred on December 12, 2017 through December 13, 2017. The water quality non-compliance notification is attached to this report (Attachment 2: Water Quality Noncompliance Notification from December 13, 2017).

GENERAL FACILITY AND PROCESS INFORMATION

The Camino Real Wastewater Treatment Facility (WWTF) has not been built. The permit associated with the facility was issued to Quadvest, L.P. on September 8, 2017. The lift station observed during this investigation will eventually provide service to the Camino Real WWTF. (Attachment 3: Overview Map) and is currently served by Grande San Jacinto WWTF (WQ0015192001).

The Grande San Jacinto WWTF (WQ0015192001) is south of Plum Grove and is also owned and operated by Quadvest, L.P. This plant is located at 4200 feet southwest of the intersection of Farm-to-Market road 1010 and Farm-to-Market road 352, in Montgomery County, Texas. The permit associated with the facility was issued to Quadvest, L.P. on December 17, 2018. The lift station observed for this investigation is currently served by this wastewater plant.

Plum Grove WWTF (WQ0015192001) is located 5300 feet east of the intersection of Plum Grove Road (Farm-to-Market Road 1010) and County Road 352 near Plum Grove, Liberty County, Texas 77327. This plant is owned by the Utilities Investment Company, Incorporated. Quadvest, L.P. does not send any wastewater to their facility. The area served by this WWTF is the community of Santa Fe. This facility was evaluated to rule out a possible additional unauthorized discharge source.

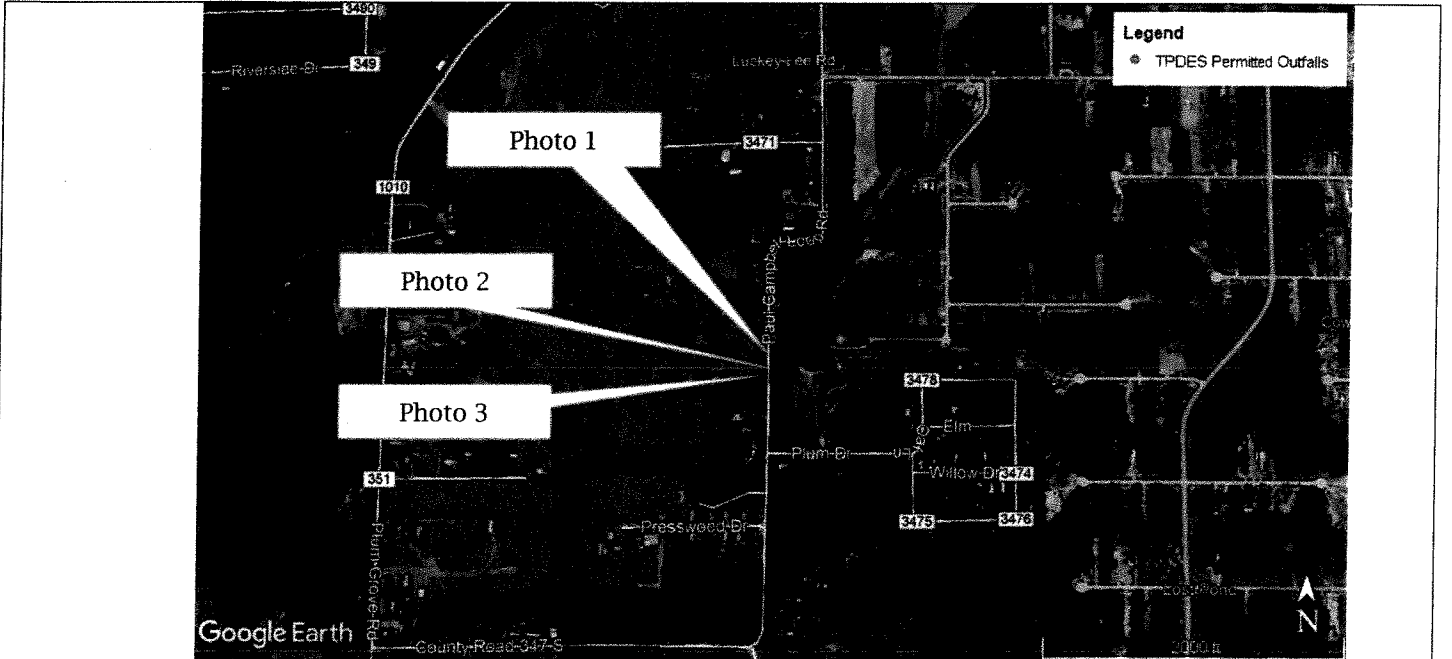
COMPLAINT INVESTIGATION

On Tuesday, July 23, 2019, Mr. Jack Coleman and Ms. Nicole Morris conducted an on-site investigation as a result of three complaints. The investigators arrived at the Plum Grove area at approximately 2:28 pm. A vacuum truck appeared to be pumping water from the intermittent stream of Maple Branch Creek (Attachment 4, photo nos. 1, 2, and 3). It was later determined that this activity was conducted in order to send the contaminated water to the Grande San Jacinto Plant for treatment to facilitate remediation of the stream. The investigators stopped on the southern side of the intermittent stream of Maple Branch Creek, on the western side of Paul Campbell Loop Road. Water appeared dark grey, moderately turbid, and a sewage odor was present. Multiple observations of deceased aquatic life were noted both on the banks of the stream, and in the water immediately west of the culvert at Paul Campbell Loop Road (Attachment 4, photo nos. 4, 5, 6, 7, 8, and 9). As the investigators proceeded downstream, the water color did not appear to change and deceased aquatic life was observed (Attachment 4, photo nos. 10, 11, 12 and 13).

At 2:45 pm, the investigators arrived at coordinates latitude 30.20230, longitude - 95.085535 and observed a culvert. This location was observed to determine the extent of the spill upstream in Maple Branch Creek. The water at this location appeared a sandy color, turbid, and no odor was present (Attachment 4, photo nos. 14 and 15). There was no evidence of a sanitary sewer overflow at this location. A sample was taken at this location later in the investigation. At 2:58 pm, the investigators arrived at coordinates latitude 30.197858, longitude -95.087595 and observed a lift station (lift station called "Camino Real LS-H at 342 Rd 5002") and a nearby manhole. In the receiving stream by the lift station, water initially appeared sandy and turbid (Attachment 4, photo nos. 16, 17, and 18). Raw sewage odor was present. There was a crew at the lift station performing maintenance work. The manhole nearby the lift station appeared to have raw sewage adjacent to the manhole. The water close to the manhole was dark in color and the vegetation appeared dead (Attachment 4, photo nos. 19, 20, and 21). The investigators proceeded to the south of the lift station along the west bank of the intermittent stream on Maple Branch Creek. A second vacuum truck was observed (Attachment 4, photo 22). The water color appeared sandy and turbid, but noticeably changed to a darker gray as the investigators moved downstream; there were also dead fish observed further downstream (Attachment 4, photo 23, 24, 25, 26, and 27). A sample was taken at coordinates latitude 30.197735, longitude -95.087558 at 3:08 pm to represent the source. Parameters sampled were biochemical oxygen demand (BOD), total suspended solids (TSS), and Ammonia Nitrogen. The investigators returned to the lift station area and noticed the maintenance crew pulling out a hose from the access lid to the lift station. This action consequently caused sewage to leak out from the hose into the receiving stream (Attachment 4, photo 28 and 29). This is also an unauthorized discharge and is further discussed in the Summary

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY WATER QUALITY REPORT

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
Date Photographed	July 23, 2019	Taken by Investigator:	Jack Coleman
Regulated Entity No.:	RN109018424	Address:	located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327
Investigation No.:	1580766		



Description: Photo 1 through 3 overview map.

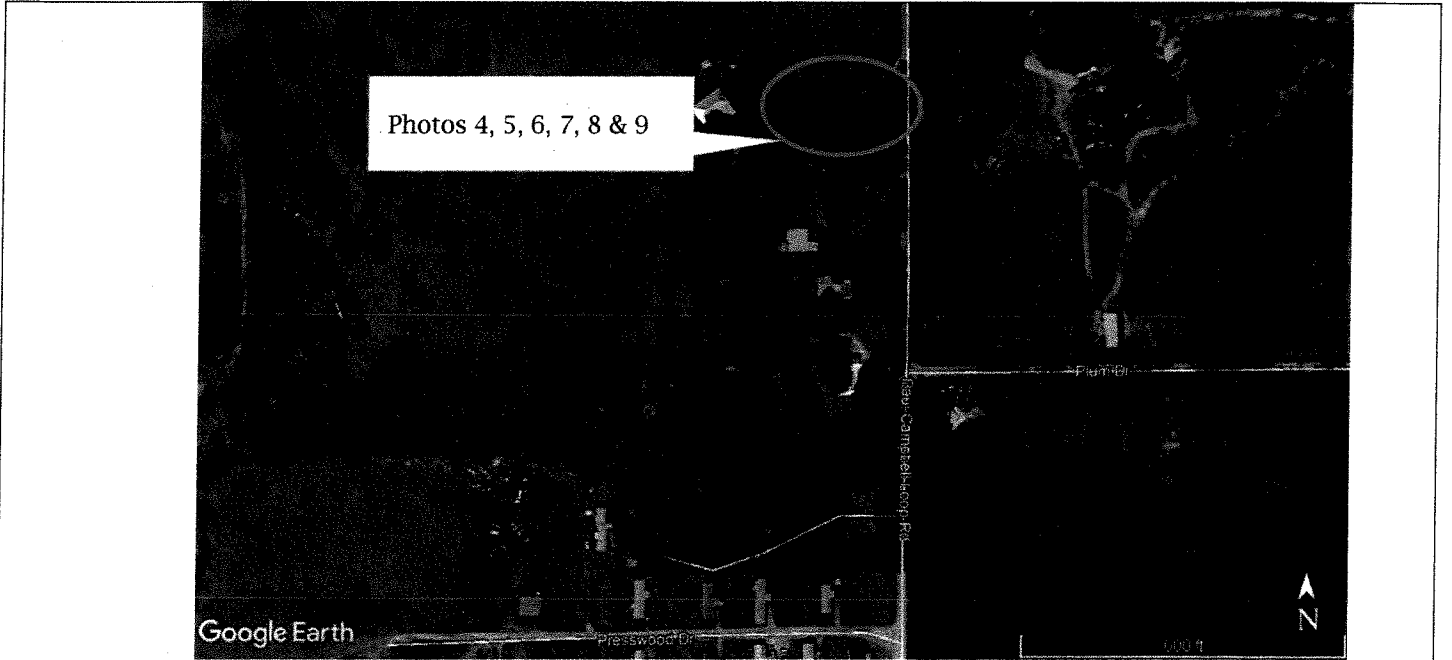


Description: Vacuum truck appears to be pumping the creek. Photo Taken on Paul Campbell Loop Road facing south.

1

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

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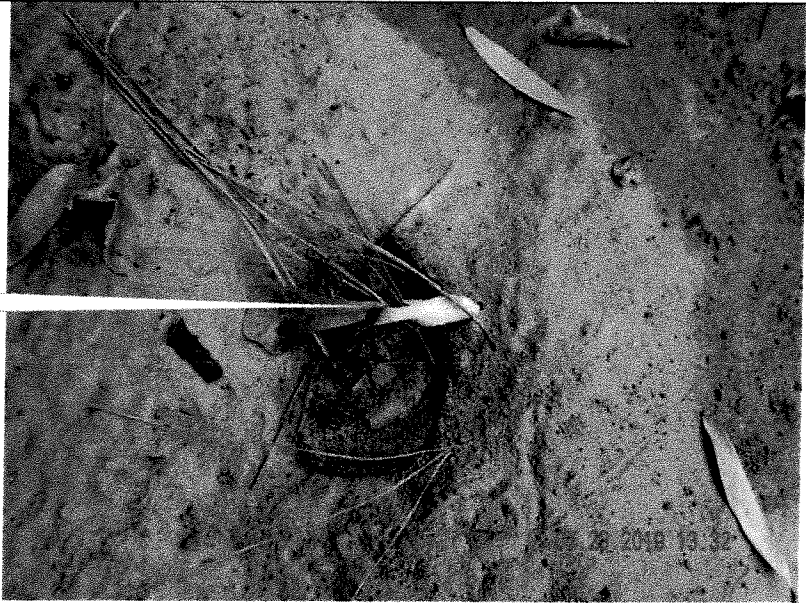
Description:	Photo 4 through 9 overview map.	
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Description:	Intermittent stream of Maple Branch Creek west of Paul Campbell Loop Road. Water Appeared dark grey, moderately turbid, a sewage odor was present. Photo taken facing southwest.	4
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**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

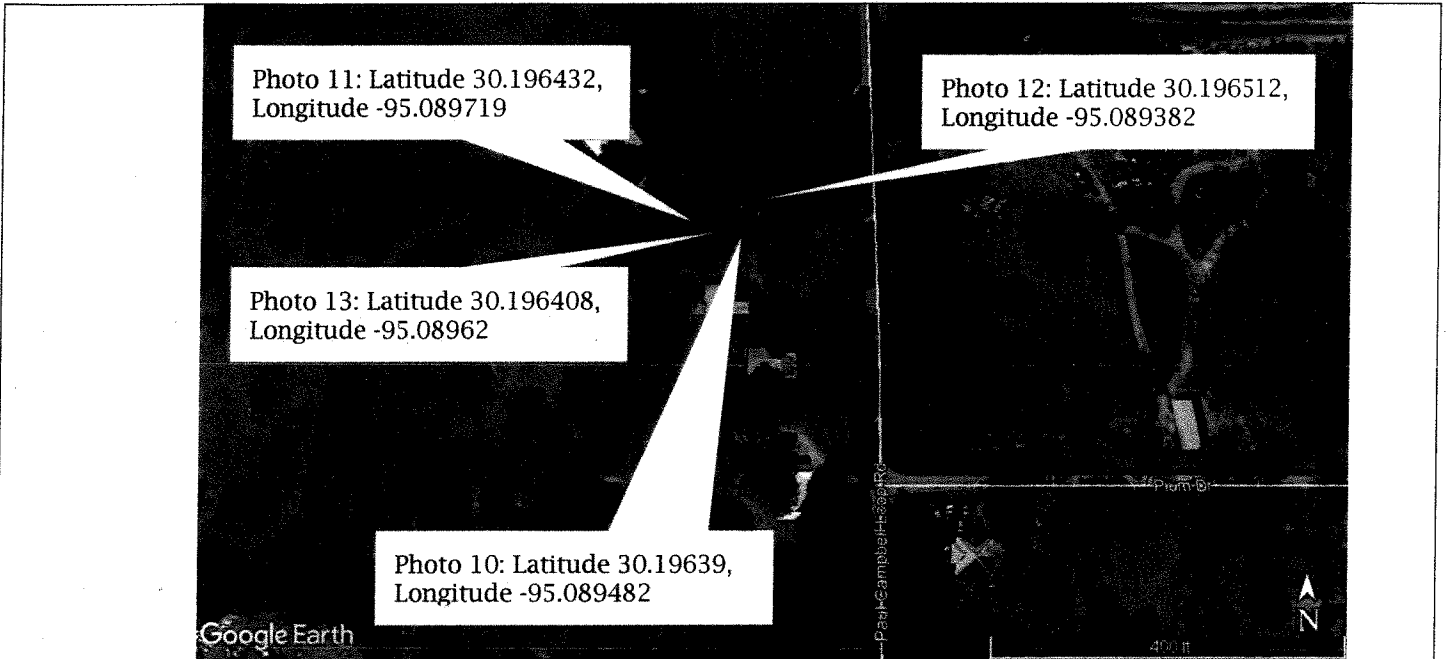
Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
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Description:	Intermittent stream of Maple Branch Creek west of Paul Campbell Loop Road. Deceased aquatic life present in sewage discharge.	7

		
Description:	Intermittent stream of Maple Creek west of Paul Campbell Loop Road. Deceased aquatic life present in sewage discharge.	8

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

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Description: Photo 10 through 13 overview map.



Description: Water in Maple Branch Creek appeared dark grey, moderately turbid, a sewage odor was present. Photo taken facing north. Latitude: 30.19639, Longitude: -95.089482

10

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

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Description: Water appeared dark grey, moderately turbid, and a sewage odor was present. Photo Taken facing southwest. This is approximately 265 feet west of the culvert. Latitude 30.196408, Longitude -95.08962.

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
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Investigation No.:	1580766		



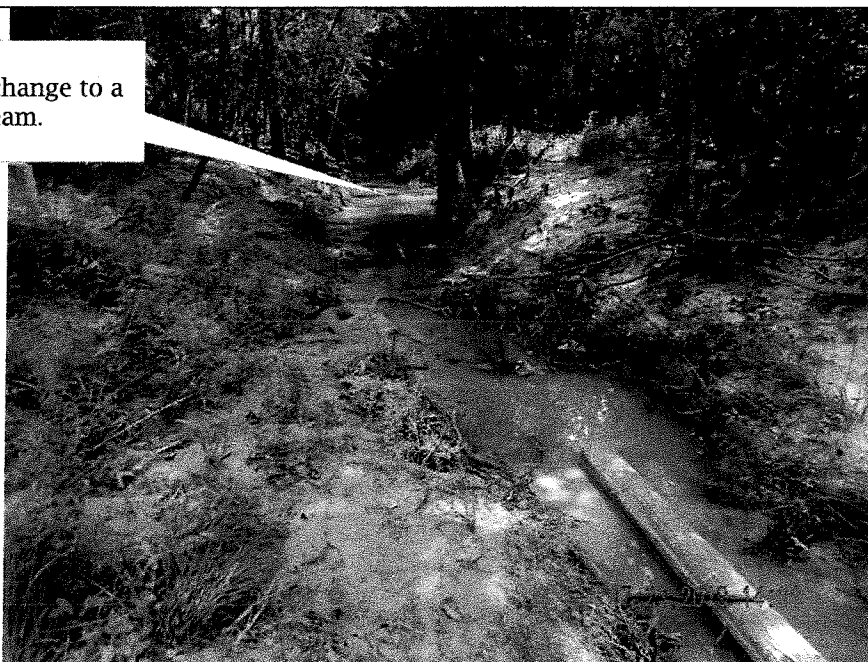
Description:	Water appeared a sandy color, turbid, and no odor was present. Photo taken facing south. Latitude 30.20230, Longitude -95.085535. (Upstream Sample Location)	15
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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

WATER QUALITY REPORT

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
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Water color starts to change to a darker color downstream.



Description:	Intermittent stream of Maple Branch Creek by lift station. Water appeared a sandy color, turbid, and odor was present. Photo taken facing south. Water noticeably became darker downstream. Latitude 30.197858, Longitude -95.087595.	17
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Description:	Crew at lift station performing maintenance.	18
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**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

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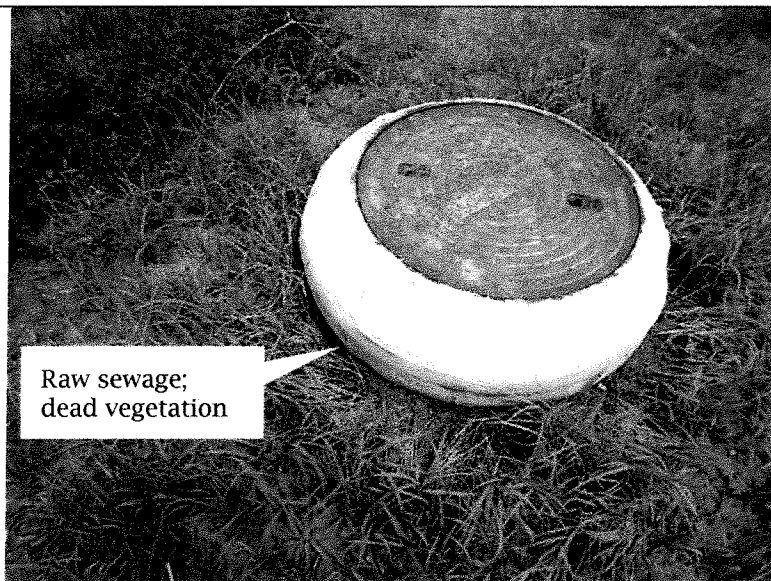
Raw sewage



Description: Water appeared dark next to manhole near lift station. Evidence of discharge present.
Photo taken facing east. Latitude 30.198683, Longitude -95.088523

20

Raw sewage;
dead vegetation



Description: Vegetation next to manhole appeared dead. Photo taken facing east. Latitude 30.198777, Longitude -95.088328

21

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

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Description:	Water appeared a sandy color, turbid, and odor was present. The color continues to get darker. Photo taken facing southeast. Latitude 30.19830, Longitude -95.088283	23
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Description:	Water appeared a sandy color, turbid, and odor was present. The color continues to get darker. Photo taken facing south. Latitude 30.19822, Longitude -95.088007	24
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**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
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Description: Water appeared a dark gray color, turbid, and odor was present. The color continues to get darker. Photo taken facing southwest. Latitude 30.198055, Longitude -95.087948. Source sample location.

27

Discharge of sewage from hose coming out of lift station.



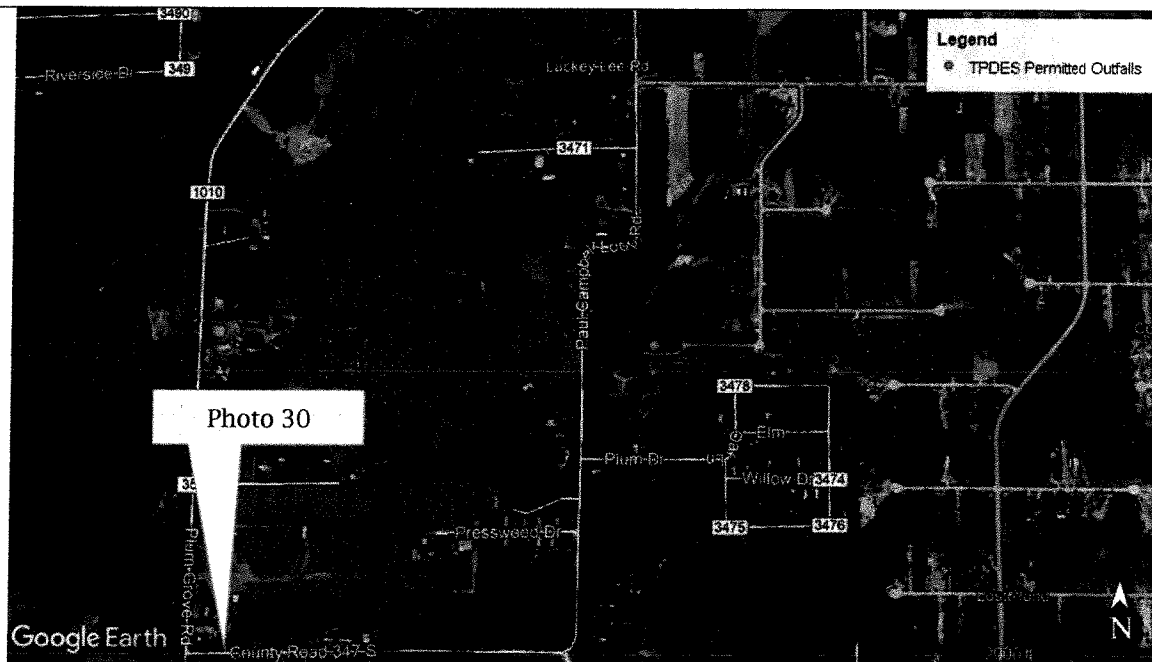
Description: Unauthorized discharge at the lift station. The maintenance crew pulled out a hose that contained sewage water. This water drained off in to the nearby receiving stream. Photo taken facing east. Latitude 30.197858, Longitude -95.087595.

28

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

WATER QUALITY REPORT

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Description: Photo location 30 overview map.

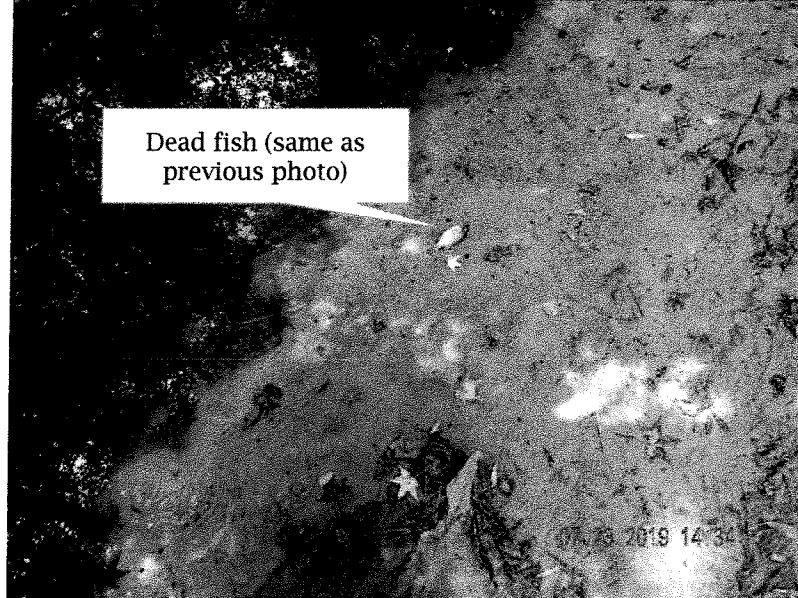


Description: County Road 347 S. and the intermittent stream of Maple Branch Creek crossing point.

30

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

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Description:	The intermittent stream of Maple Branch Creek at Latitude 30.192107, Longitude -95.099608. The water was dark gray, turbid, and had a strong sewage odor. Photo taken facing north.	32
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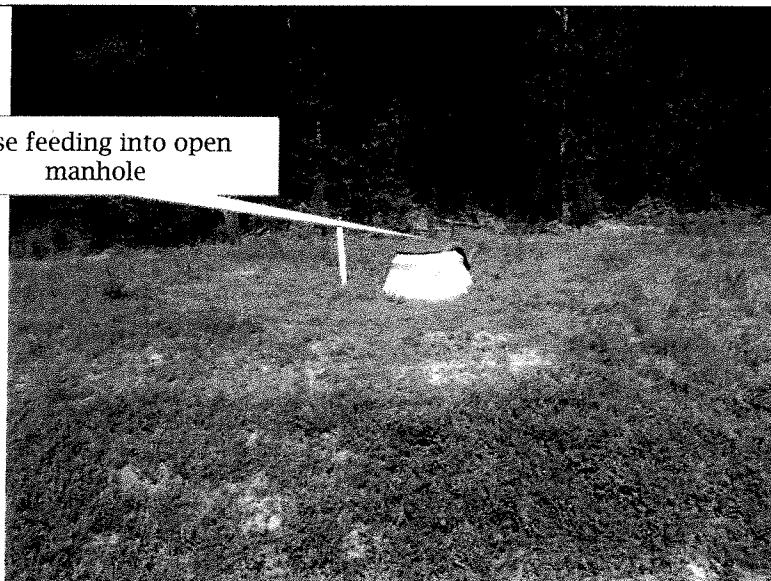


Description:	The intermittent stream of Maple Branch Creek at Latitude 30.195157, Longitude -95.090415. The water was dark gray, turbid, and had a strong sewage odor. Photo taken facing south.	33
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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY WATER QUALITY REPORT

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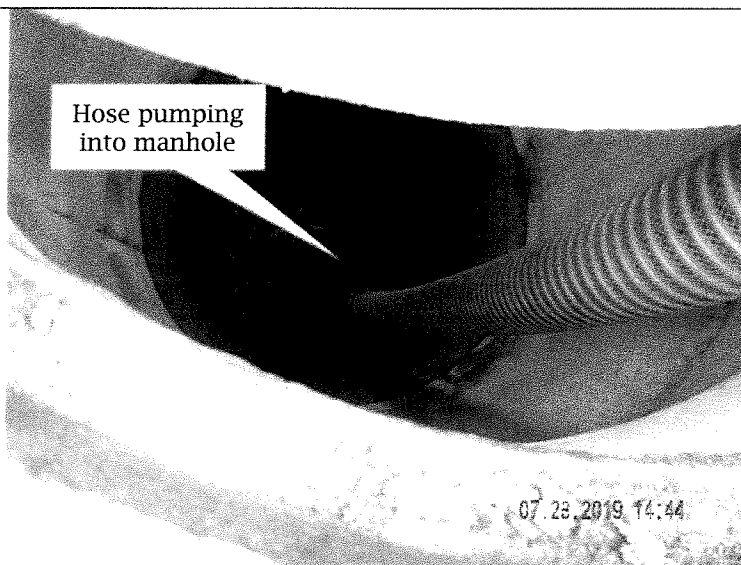
Hose feeding into open manhole



Description: Manhole with hose to the east of Paul Campbell Road and to the north of Maple Creek.
Photo taken facing east.

35

Hose pumping into manhole



Description: Manhole with hose to the east of Paul Campbell Road and to the north of Maple Creek.
Photo taken facing east. Latitude: 30.198065 Longitude: -95.089307.

36

Attachment 7

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

☒ Unauthorized Discharge

☐ Reportable Effluent Violation

☐ Other

General Information

Entity Name: Camino Real

Telephone No: (281) 305-1111

☒ Permittee

☐ Subscriber

TCEQ Region: 12

County: Liberty

*Permit Number: WQ0015452001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):

There was an unauthorized discharge from Camino Real LS-H into a drainage ditch near 342 Rd 5002 and 173 Rd. 5031 and into the Creek. Source Point has vactored 3 truck-loads. Each truck holds ~2,500 gallons.

Cause of Noncompliance: Wiring burned up causing the pumps not to turn on and causing the sewer overflow. Bad power from transformers.

Duration: Start Date and Time: 7/22/2019 around 6 PM

End Date and Time: 7/23/2019 by 10 AM Or Date Expected to be Corrected:

Potential Danger to Human Health and Safety or the Environment: Wastewater did runoff into a drainage ditch and the creek. There were fish killed.

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

☐ Yes ☒ No Field Measurements

☐ Yes ☒ No Laboratory Samples

☒ Yes ☐ No Fish Kill If yes, estimated number killed: 30+

Actions Taken to Mitigate Adverse Effects: The ditch was dammed and the affected area will be vactored and disinfected. Creek is being pumped.

Actions Taken to Correct the Problem and Prevent Recurrence: Contacting the Electric Company and still investigating what caused the wiring to burn up.

Verification Information

Information Reported By (Name/Title): JayLynn Thibault/Compliance Coordinator

Date Reported: 07/23/2019

Signature: X

JayLynn Thibault
Compliance Coordinator

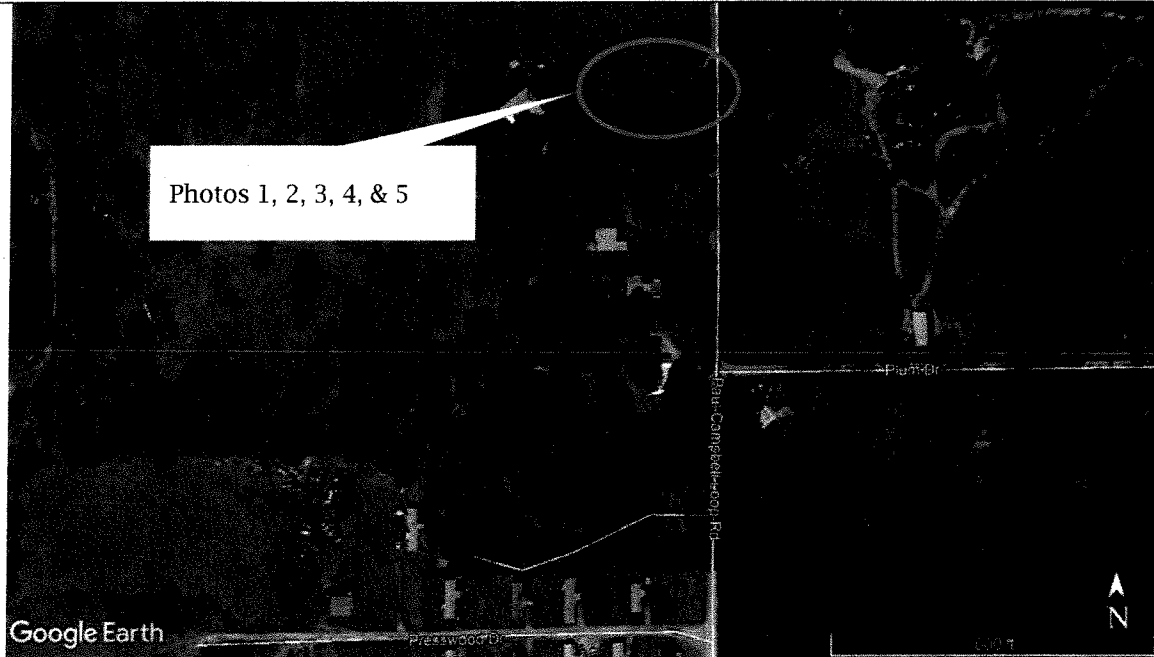
Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Attachment 8

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
Date Photographed	July 31, 2019	Taken by Investigator:	Nicole Morris
Regulated Entity No.:	RN109018424	Address:	located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327
Investigation No.:	1580766		



Description: Photo 1 through 5 overview map.



Description: East of Paul Campbell loop road. Water appeared a sandy color turbid. No sewage odor present. Photo taken facing east. Latitude: 29.690778, Longitude -95.723732.

1

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
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Description: East of Paul Campbell loop road. Water appeared a sandy color and turbid. No sewage odor present. Photo taken facing north. Latitude: 30.196595, Longitude -95.722323.

2



Description: West of Paul Campbell loop road on the south side of Maple Branch Creek. Water appeared a sandy color and turbid. No sewage odor present. Photo taken facing northeast. Latitude: 30.196668, Longitude -95.089032.

3

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

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Investigation No.:	1580766		



Description: West of Paul Campbell loop road on the south side of Maple Branch Creek. Water appeared a sandy color and turbid. No sewage odor present.
Photo taken facing northeast. Latitude: 30.196668, Longitude -95.089032.

4



Description: West of Paul Campbell loop road on the south side of Maple Branch Creek. Water appeared a sandy color and turbid. No sewage odor present.
Photo taken facing northeast. Latitude: 30.196664, Longitude -95.089073.

5

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY WATER QUALITY REPORT

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
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Investigation No.:	1580766		



Description: Photos 1 through 15 overview map.



Description: Intermittent stream of Maple Branch. Water appeared a sandy color and turbid. No sewage noted. Photo taken facing south. Latitude: 30.19816, Longitude -95.087778.

6

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

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Investigation No.:	1580766		



Description:	Intermittent stream of Maple Branch. Water appeared a sandy color and turbid. No sewage noted. Latitude: 30.198202, Longitude -95.087793.	7
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Description:	Intermittent stream of Maple Branch. Water appeared a sandy color and turbid. No sewage noted. Latitude: 30.198182, Longitude -95.087793.	8
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**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

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Description:	Lift station of the alleged source of discharge. No sewage noted. Latitude: 30.198018, Longitude -95.087592	9
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Description:	Manhole by Lift station of the alleged source of discharge. No sewage noted. Latitude: 30.19803, Longitude -95.087868	10
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**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

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Investigation No.:	1580766		



Description:	Intermittent stream of Maple Branch. Water appeared a sandy color and turbid. No sewage noted. Photo taken facing south. Latitude: 30.198018, Longitude -95.087508.	11
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Description:	Intermittent stream of Maple Branch. Water appeared a sandy color and turbid. No sewage noted. Photo taken facing south. Latitude: 30.197962, Longitude -95.087863	12
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**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

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Investigation No.:	1580766		



Description:	Intermittent stream of Maple Branch. Water appeared a sandy color and turbid. No sewage noted. Photo taken facing south. Latitude: 30.197953, Longitude -95.087923	13
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Description:	Intermittent stream of Maple Branch. Water appeared a sandy color and turbid. No sewage noted. Photo taken facing west. Latitude: 30.19783, Longitude -95.087775	14
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**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

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Regulated Entity No.:	RN109018424	Address:	located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327
Investigation No.:	1580766		



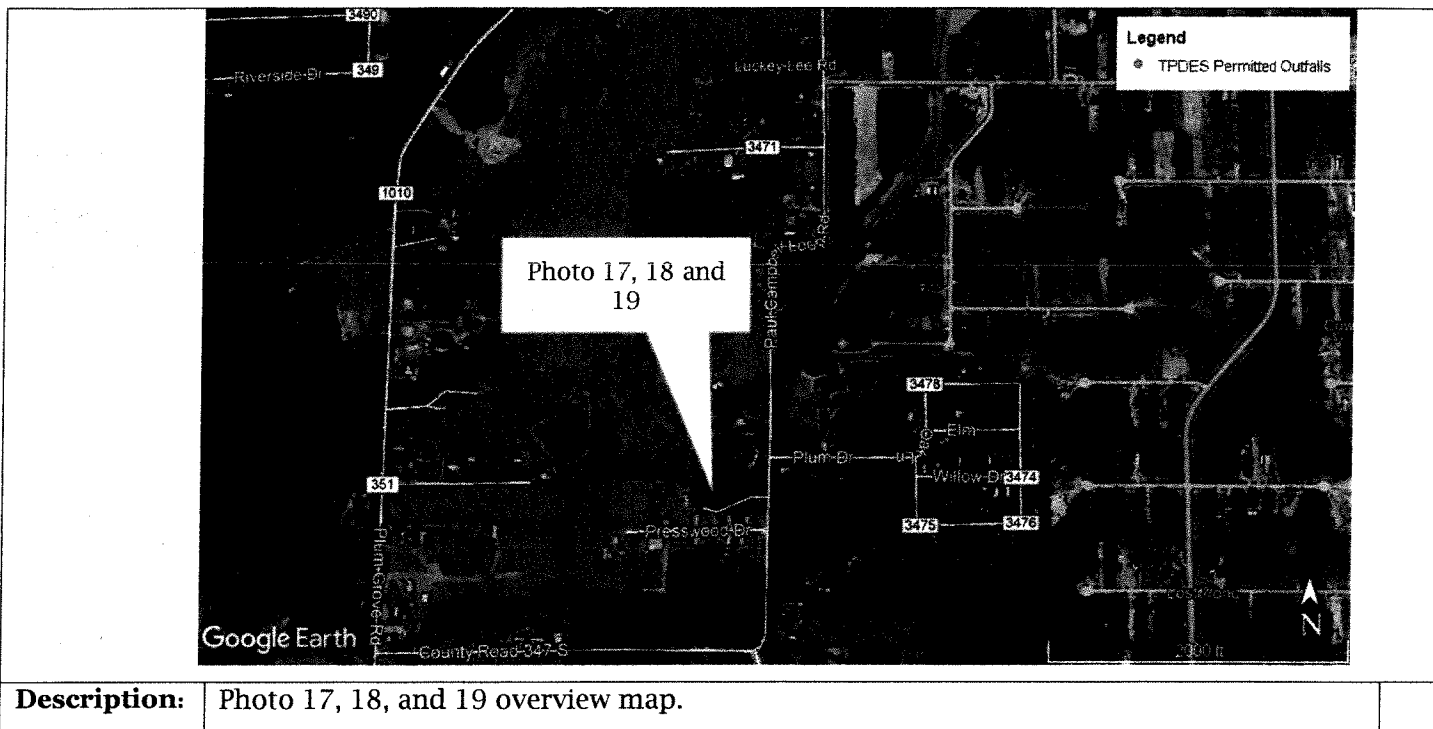
Description:	Intermittent stream of Maple Branch. Water appeared a sandy color and turbid. No sewage noted. Photo taken facing west. Latitude: 30.197741, Longitude -95.087753	15
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Description:	Intermittent stream of Maple Branch. Water appeared a sandy color and turbid. No sewage noted. Latitude: 30.197707, Longitude -95.087598	16
---------------------	--	----

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY WATER QUALITY REPORT

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
Date Photographed	July 31, 2019	Taken by Investigator:	Nicole Morris
Regulated Entity No.:	RN109018424	Address:	located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327
Investigation No.:	1580766		



**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
Date Photographed	July 31, 2019	Taken by Investigator:	Nicole Morris
Regulated Entity No.:	RN109018424	Address:	located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327
Investigation No.:	1580766		



Description: Intermittent stream of Maple Branch. Water appeared a sandy color and turbid. No sewage noted. Latitude: 30.193987, Longitude -95.093192

18

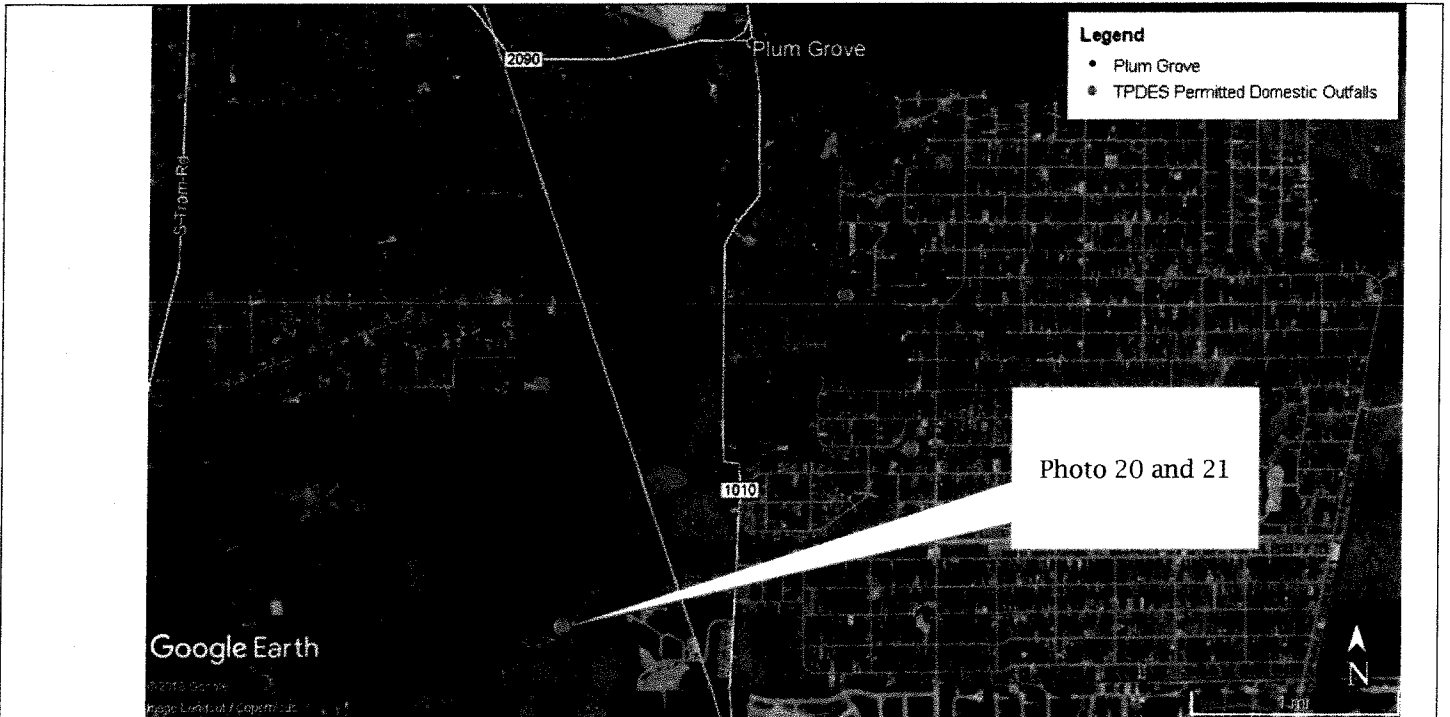


Description: Intermittent stream of Maple Branch. Water appeared a sandy color and turbid. No sewage noted. Latitude: 30.193966, Longitude -95.093208

19

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
Date Photographed	July 31, 2019	Taken by Investigator:	Nicole Morris
Regulated Entity No.:	RN109018424	Address:	located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327
Investigation No.:	1580766		



Description: Photo 20, 21 overview map.



Description: East Fork of the San Jacinto River. Water appeared a sandy color and turbid. No sewage noted. Photo taken facing southwest Latitude: 30.174182, Longitude -95.10995

20

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
Date Photographed	July 31, 2019	Taken by Investigator:	Nicole Morris
Regulated Entity No.:	RN109018424	Address:	located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327
Investigation No.:	1580766		



Description:	East Fork of the San Jacinto. Water appeared a sandy color and turbid. No sewage noted. Latitude: 30.193966, Longitude -95.093208	21
---------------------	---	----

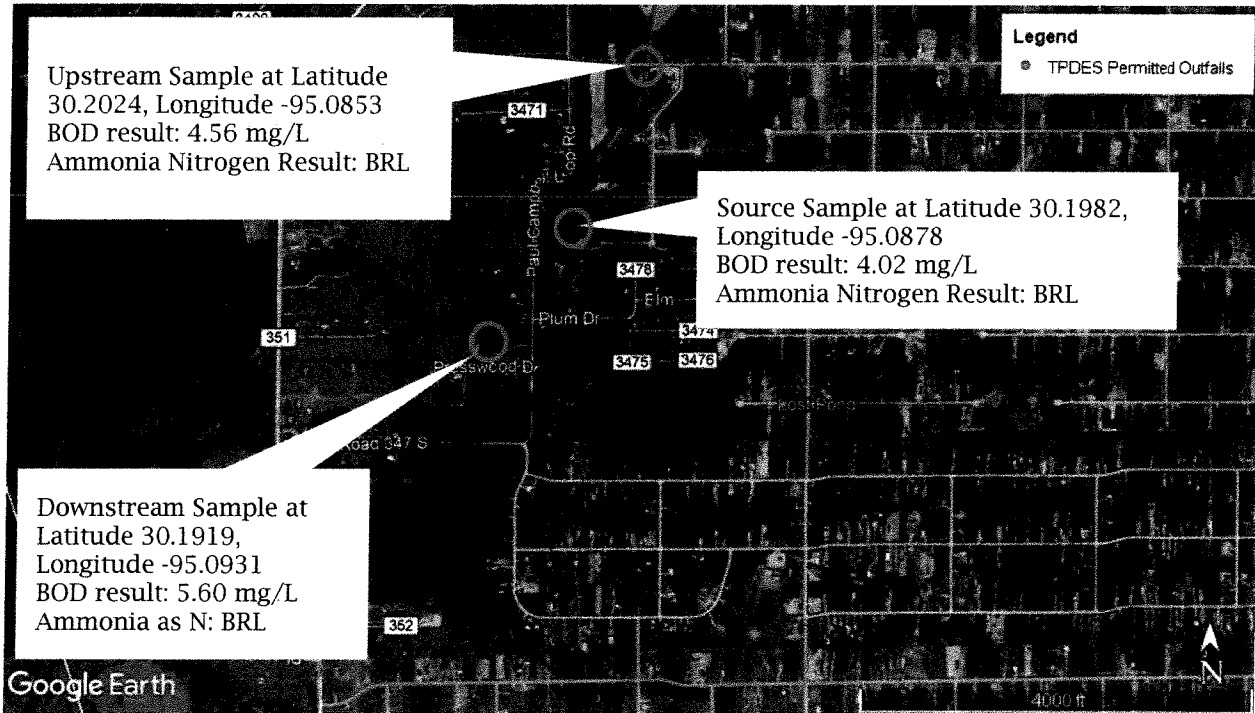
Attachment 9

**Quadvest, L.P.
Camino Real Wastewater Treatment Facility
RN109018424**

**Address of WWTF: located approximately 1000 feet north-northeast of Paul Campbell Loop
Road and Plum Drive, in Liberty County, Texas 77327**

**Investigation: 1580766
Incident: 317137, 317138, 317139, 317894
Complaint Investigation**

Sample Location Map For Wednesday, July 31, 2019



Attachment 10

Laboratory Analysis Report

Total Number of Pages: 11

Job ID : 19071993



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, <http://www.ablabs.com>

Client Project Name :
012405 / Reg. 12, Program: Water Quality

Report To : Client Name: TCEQ P.O.#.:
Attn: Nicole Morris Sample Collected By: Nicole Morris
Client Address: 5425 Polk Ave Suite H Date Collected: 07/31/19
City, State, Zip: Houston, Texas, 77023-1483

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
W012405-01	Liquid	19071993.01
W012405-02	Liquid	19071993.02
W012405-03	Liquid	19071993.03

A handwritten signature in black ink, appearing to read 'Senthilkumar Sevukan'.

Released By: Senthilkumar Sevukan
Title: Assistant Lab Manager
Date: 08/07/2019



This Laboratory is NELAP (T104704213-19-20) accredited. Effective: 04/01/2019; Expires: 3/31/2020

Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

Date Received : 07/31/2019 15:38

**LABORATORY TEST RESULTS**

Job ID : 19071993

Date 8/7/2019

Client Name: TCEQ

Attn: Nicole Morris

Project Name: 012405 / Reg. 12, Program: Water Quality

Client Sample ID: W012405-01

Job Sample ID: 19071993.01

Date Collected: 07/31/19

Sample Matrix Liquid

Time Collected: 11:15

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 2540C	Total Dissolved Solids TDS	402.0	mg/L	1	10			08/02/19 10:00	CO
SM 2540D	Total Suspended Solids TSS	192.6	mg/L	2.00	5.00			08/01/19 11:30	CO
SM 4500NH3D	Ammonia as Nitrogen Ammonia as N	BRL	mg/L	1	0.1			08/02/19 08:42	SG
SM 5210B	Biochemical Oxygen Demand BOD	4.02	mg/L	1	2			08/02/19 09:00	YSK

**LABORATORY TEST RESULTS**

Job ID : 19071993

Date 8/7/2019

Client Name: TCEQ

Attn: Nicole Morris

Project Name: 012405 / Reg. 12, Program: Water Quality

Client Sample ID: W012405-03

Job Sample ID: 19071993.03

Date Collected: 07/31/19

Sample Matrix Liquid

Time Collected: 12:25

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 2540C	Total Dissolved Solids TDS	158.0	mg/L	1	10			08/02/19 10:00	CO
SM 2540D	Total Suspended Solids TSS	43.4	mg/L	2.00	5.00			08/01/19 11:30	CO
SM 4500NH3D	Ammonia as Nitrogen Ammonia as N	BRL	mg/L	1	0.1			08/02/19 08:42	SG
SM 5210B	Biochemical Oxygen Demand BOD	5.60	mg/L	1	2			08/02/19 09:00	YSK

QUALITY CONTROL CERTIFICATE



Job ID : 19071993

Date : 8/7/2019

Analysis : Ammonia as Nitrogen

Method : SM 4500NH3D

Reporting Units : mg/L

QC Batch ID : Qb19080205

Created Date : 08/02/19

Created By : Sgarcia

Samples in This QC Batch : 19071993.01,02,03

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Ammonia as N		BRL	mg/L	1	0.1	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ammonia as N	5.00	5.15	103	5.00	5.20	104	0.9	20	85-115	

QC Type: MS and MSD

QC Sample ID: 19071971.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	0.1	5.00	5.13	101	5.00	4.99	97.8	2.8	17.9	85.2-121	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE



Job ID : 19071993

Date : 8/7/2019

Analysis : Biochemical Oxygen Demand	Method : SM 5210B	Reporting Units : mg/L
QC Batch ID : Qb19080667	Created Date : 08/02/19	Created By : SKYanduru
Samples in This QC Batch : 19071993.01,02,03		
Sample Preparation : PB19080639	Prep Method : SM 5210B	Prep Date : 08/02/19 09:00 Prep By : SKYanduru

QC Type: Method Blank							
Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
BOD		BRL	mg/L	1	2		

QC Type: Duplicate							
QC Sample ID: 19071993.03							
Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
BOD	5.46	5.60	mg/L	2.5	20		

QC Type: LCS and LCSD										
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
BOD	200	199.00	99.5	200	198.00	99	0.5	20	83.8-114.2	

Refer to the Definition page for terms.



Sample Condition Checklist

A&B JobID : 19071993		Date Received : 07/31/2019		Time Received : 3:38PM																									
Client Name : TCEQ																													
Temperature : 1.5-0.5CF=1.0°C		Sample pH : <2 NH3																											
Thermometer ID : 1707629		pH Paper ID : 72375																											
	Check Points	Yes	No	N/A																									
1.	Cooler seal present and signed.		X																										
2.	Sample(s) in a cooler.	X																											
3.	If yes, ice in cooler.	X																											
4.	Sample(s) received with chain-of-custody.	X																											
5.	C-O-C signed and dated.	X																											
6.	Sample(s) received with signed sample custody seal.		X																										
7.	Sample containers arrived intact. (If no comment).	X																											
8.	<table border="0" style="width: 100%;"> <tr> <td style="width: 10%;">Matrix</td> <td style="width: 10%;">Water</td> <td style="width: 10%;">Soil</td> <td style="width: 10%;">Liquid</td> <td style="width: 10%;">Sludge</td> <td style="width: 10%;">Solid</td> <td style="width: 10%;">Cassette</td> <td style="width: 10%;">Tube</td> <td style="width: 10%;">Bulk</td> <td style="width: 10%;">Badge</td> <td style="width: 10%;">Food</td> <td style="width: 10%;">Other</td> </tr> <tr> <td>:</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>	Matrix	Water	Soil	Liquid	Sludge	Solid	Cassette	Tube	Bulk	Badge	Food	Other	:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Matrix	Water	Soil	Liquid	Sludge	Solid	Cassette	Tube	Bulk	Badge	Food	Other																		
:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																		
9.	Sample(s) were received in appropriate container(s).	X																											
10.	Sample(s) were received with proper preservative	X																											
11.	All samples were logged or labeled.	X																											
12.	Sample ID labels match C-O-C ID's	X																											
13.	Bottle count on C-O-C matches bottles found.	X																											
14.	Sample volume is sufficient for analyses requested.	X																											
15.	Samples were received within the hold time.	X																											
16.	VOA vials completely filled.			X																									
17.	Sample accepted.	X																											
18.	Has client been contacted about sub-out			X																									
Comments : Include actions taken to resolve discrepancies/problem: <div style="height: 40px; border: 1px solid black;"></div>																													

Received by : APena

Check in by/date : AArnett / 07/31/2019

Jack Coleman

To: JayLynn Thibault
Cc: Nicole Morris; Kayla Ayala; Tony Spears; Chad Portie; Angel Reyes
Subject: RE: Follow Up from Wednesday, July 23, 2019 for Camino Real WWTF Collection System

From: JayLynn Thibault [REDACTED]
Sent: Wednesday, July 24, 2019 3:56 PM
To: Jack Coleman <Jack.Coleman@tceq.texas.gov>
Cc: Nicole Morris <Nicole.Morris@tceq.texas.gov>; Kayla Ayala <Kayla.Ayala@tceq.texas.gov>; Tony Spears <tspears@quadvest.com>; Chad Portie <cportie@quadvest.com>; Angel Reyes <areyes@quadvest.com>
Subject: RE: Follow Up from Wednesday, July 23, 2019 for Camino Real WWTF Collection System

One of the reasons we found why the overflow happened was another LS was being maintained, with this LS down, it forced the flow to the LS that overflowed. The constant pumping made the wires hot and burn up. Pumps of Houston has fixed the pump and wiring and the other LS is back up and running. The lift stations are being monitored as the decant is being sent back into the system. The plant is running well and handling the flow.

Thanks,
JayLynn

From: Jack Coleman <Jack.Coleman@tceq.texas.gov>
Sent: Wednesday, July 24, 2019 3:34 PM
To: JayLynn Thibault <jlthibault@quadvest.com>
Cc: Nicole Morris <Nicole.Morris@tceq.texas.gov>; Kayla Ayala <Kayla.Ayala@tceq.texas.gov>; Tony Spears <tspears@quadvest.com>; Chad Portie <cportie@quadvest.com>; Angel Reyes <areyes@quadvest.com>
Subject: RE: Follow Up from Wednesday, July 23, 2019 for Camino Real WWTF Collection System

[CAUTION: EXTERNAL EMAIL SOURCE]

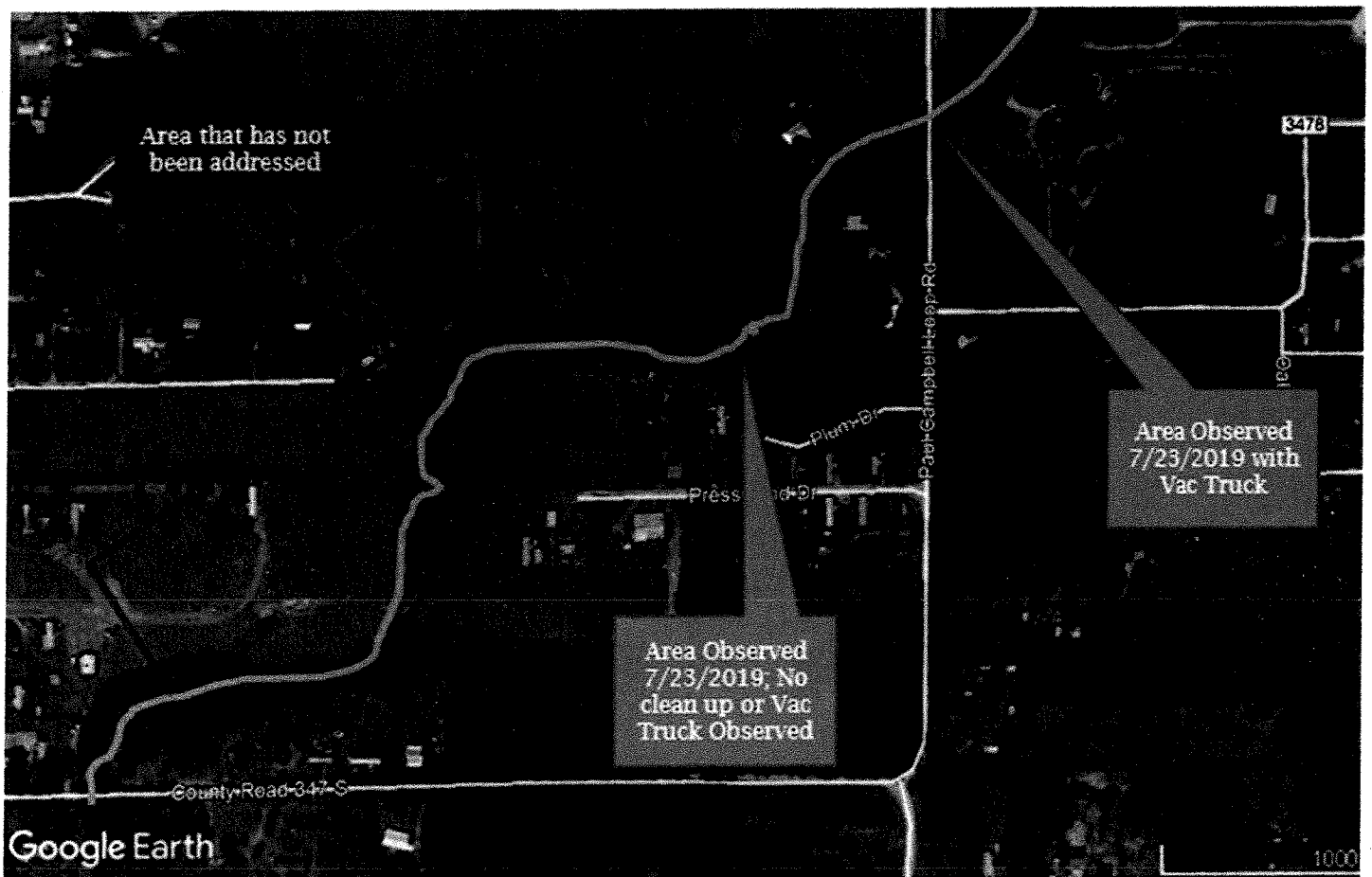
JayLynn,

Can you clarify the purpose of the pumping of the creek into the manhole?

If this is the case, wouldn't the decant end up back at the lift station that had the overflow in the first place?

I am concerned about the downstream sewage going septic.

Jack Coleman
TCEQ - Region 12
5425 Polk Street Suite H
Houston, Texas 77023
Work- (713)-767-3774
Fax- (713)-767-3691



*Locations are approximate

Please address this area as well as anything beyond the extent of the map. Below are some photos provided to us today in the area that has not been addressed.



I will call you in an hour.

Jack Coleman
TCEQ - Region 12
5425 Polk Street Suite H
Houston, Texas 77023
Work- (713)-767-3774
Fax- (713)-767-3691

From: Jack Coleman
Sent: Wednesday, July 24, 2019 8:20 AM
To: JayLynn Thibault [REDACTED]
Cc: Nicole Morris <Nicole.Morris@tceq.texas.gov>
Subject: Follow Up from Wednesday, July 23, 2019 for Camino Real WWTF Collection System

JayLynn,

Attachment 5

MW8-WQ0015452001-6n 2017 12/12 Discharge

Water Quality Noncompliance Notification
See back of Form for Guidance for Completion

☒ **Unauthorized Discharge** ☐ **Reportable Effluent Violation** ☐ **Other**

General Information

Entity Name: Creekside

Telephone No: (281) 305-1111

☒ **Permittee**

☐ **Subscriber**

Inc No 313369

TCEQ Region: 12

County: Montgomery

***Permit Number:** WQ0015452001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):
~5,000 gallons of sewer discharged from Camino Real WWTP LS-H into a drainage ditch near 342 Rd 5002 and ~500 gallons near 173 Rd. 5031. The affected area is being vactored and disinfected.

Cause of Noncompliance: Someone broke into our locked facility, turned off the Main Power Switch, and tried to steal the copper wire (again), but then saw that we replaced it with aluminum wire and left the facility, leaving the Main Power off.

Duration: **Start Date and Time:** 12/12/2017 time unknown
End Date and Time: 12/13/2017 by 3PM Or **Date Expected to be Corrected:**

Potential Danger to Human Health and Safety or the Environment: Wastewater did not runoff into waterways nor was a danger to human health.

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

☐ **Yes** ☒ **No** **Field Measurements**
☐ **Yes** ☒ **No** **Laboratory Samples**
☐ **Yes** ☒ **No** **Fish Kill** If yes, estimated number killed:

Actions Taken to Mitigate Adverse Effects: the area was vactored and disinfected.

Actions Taken to Correct the Problem and Prevent Recurrence: The Operator was called out and the Main Power was turned back on. May need to look into getting security cameras for that area.

Verification Information

Information Reported By (Name/Title): JayLynn Thibault/Compliance Coordinator

Date Reported: 12/13/2017 **Signature:** X 
JayLynn Thibault
Compliance Coordinator

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Summary of Investigation Findings

CAMINO REAL WWTP

Investigation #

1580766
Investigation Date: 07/24/2019

, LIBERTY COUNTY,

Additional ID(s): WQ0015452001
TX0136921

OUTSTANDING ALLEGED VIOLATION(S) ASSOCIATED TO A NOTICE OF ENFORCEMENT

Track No: 728776 Compliance Due Date: To Be Determined

2D TWC Chapter 26.121(a)(1)

30 TAC Chapter 305.125(1)

EPA ID TX0136921, WQ0015452001

Permit Conditions No. 2(g), Page No. 10

Alleged Violation:

Investigation: 1580766

Comment Date: 09/25/2019

Failure to prevent the unauthorized discharge of wastewater which results in a documented serious impact to the environment.

Specifically, a lift station was responsible for the release of sewage into a receiving stream resulting in a fish kill. A noncompliance notification provided on July 23, 2019, indicated an unauthorized discharge from "Camino Real LS-H" into a drainage ditch near 342 Rd 5002 and 173 Rd. 5031 and into Maple Branch Creek causing a fish kill. The estimated amount was 40,000 gallons. The unauthorized discharge started at approximately 6 PM on July 22, 2019 and ended around 10 AM on July 23, 2019.

On July 23, 2019, TCEQ investigators witnessed an operator pull out a hose from the lift station, Camino Real LS-H at 342 Rd 5002, which also caused a sewage discharge onto the ground and into Maple Branch Creek.

Recommended Corrective Action: There shall be no unauthorized discharge of wastewater.

Jack Coleman

To: JayLynn Thibault
Cc: Nicole Morris
Subject: RE: Follow Up from Wednesday, July 23, 2019 for Camino Real WWTF Collection System

From: Jack Coleman
Sent: Wednesday, July 24, 2019 8:20 AM
To: JayLynn Thibault [REDACTED]
Cc: Nicole Morris <Nicole.Morris@tceq.texas.gov>
Subject: Follow Up from Wednesday, July 23, 2019 for Camino Real WWTF Collection System

JayLynn,

Please see the attached Exit Interview Form: Potential Violations and/or Records Request, is provided as an attachment to this email to ensure that the issues are communicated regarding the compliance evaluation investigation conducted on Tuesday, July 23, 2019, at Camino Real Wastewater Treatment Facility Collection System; RN109018424; WQ001545201. Please note that the facility is still under investigation and changes can still be made. If there are questions about the information contained in the form, contact me as soon as possible.

Also, please complete the TCEQ Satisfaction Survey (optional).

<https://www.tceq.texas.gov/customersurvey>

I will call you to follow up with this e-mail.

Let me know if you have any questions.

Jack Coleman
TCEQ - Region 12
5425 Polk Street Suite H
Houston, Texas 77023
Work- (713)-767-3774
Fax- (713)-767-3691

**Quadvest, L.P.
Camino Real Wastewater Treatment Facility
RN109018424**

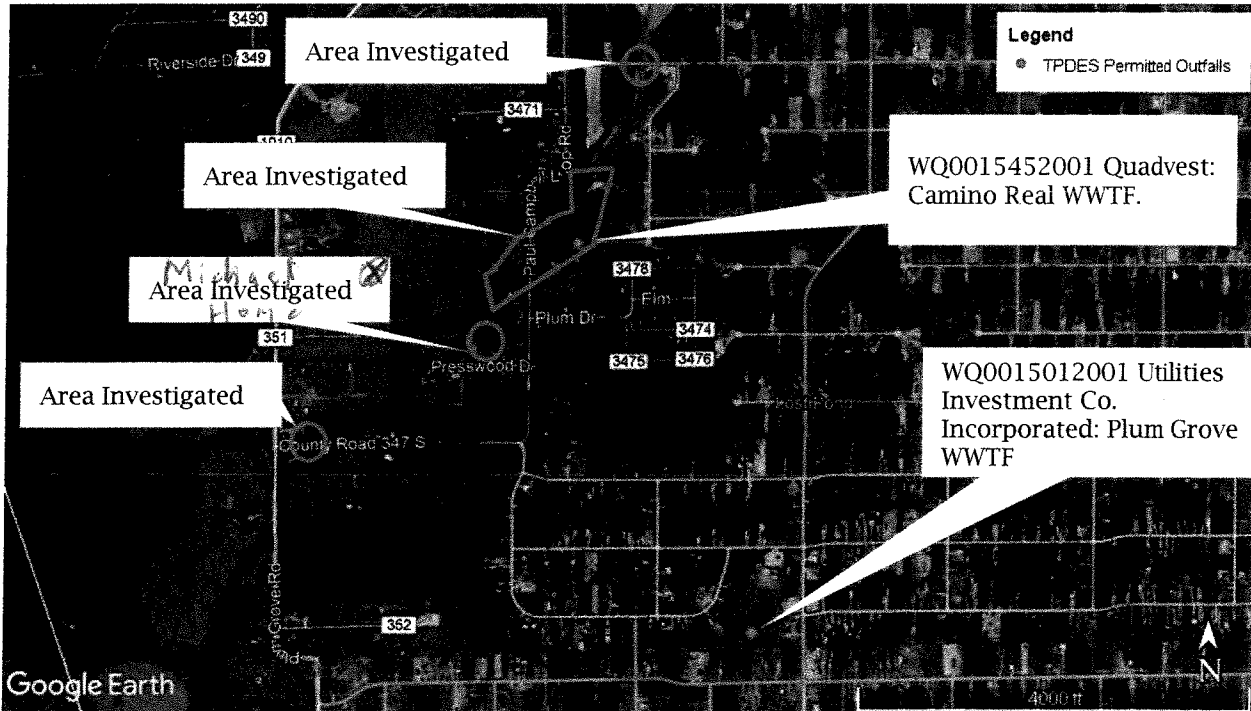
Address of WWTF: located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327

Investigation: 1580766

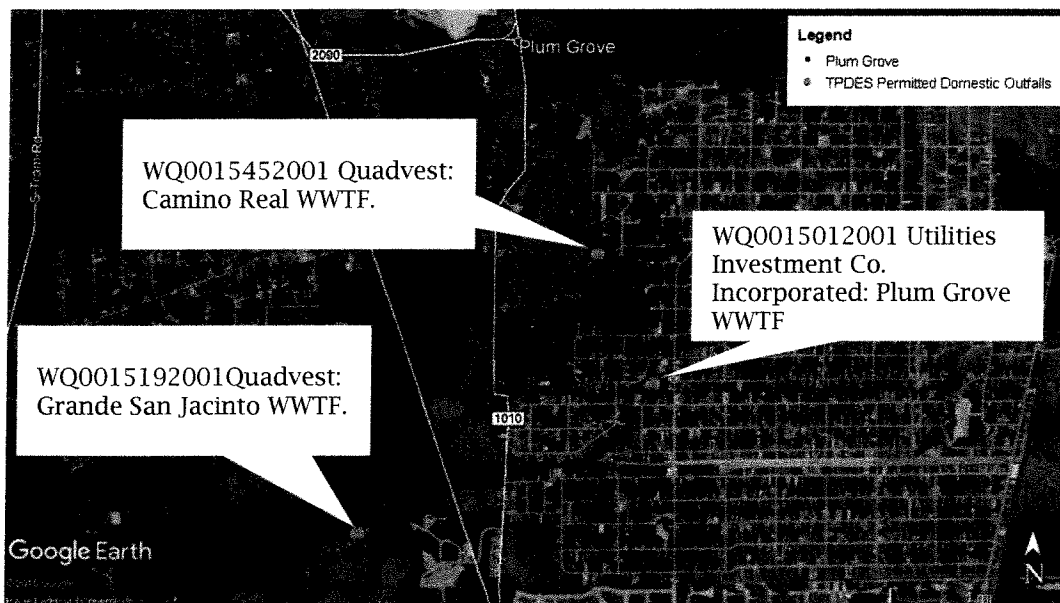
Incident: 317137, 317138, 317139, 317894

Complaint Investigation

Overview Map



Zoomed Out



Attachment 4

Jack Coleman

To: JayLynn Thibault
Subject: RE: NOC for Clean up

From: JayLynn Thibault [REDACTED]
Sent: Monday, August 12, 2019 3:00 PM
To: Jack Coleman <Jack.Coleman@tceq.texas.gov>
Subject: RE: NOC for Clean up

The invoice from Magna Flow showed ~48,000 gallons.
Is there a report that you can send me so that I can give to management?

Thanks,
JayLynn

From: Jack Coleman <Jack.Coleman@tceq.texas.gov>
Sent: Wednesday, August 07, 2019 8:32 AM
To: JayLynn Thibault [REDACTED] Nicole Morris <Nicole.Morris@tceq.texas.gov>
Subject: RE: NOC for Clean up

[CAUTION: EXTERNAL EMAIL SOURCE]

JayLynn,

Call me to discuss the below request. Also, did you ever have a final volume of the spill?

Jack Coleman
TCEQ - Region 12
5425 Polk Street Suite H
Houston, Texas 77023
Work- (713)-767-3774
Fax- (713)-767-3691

From: JayLynn Thibault [REDACTED]
Sent: Wednesday, July 31, 2019 4:05 PM
To: Jack Coleman <Jack.Coleman@tceq.texas.gov>; Nicole Morris <Nicole.Morris@tceq.texas.gov>
Subject: NOC for Clean up

Good Afternoon,
Thanks for calling this afternoon. I hope you didn't come across any areas that we may have missed. We did a very thorough job to make sure we cleaned it all.
The Plum Grove Mayor has been in communication with us. Is there a letter or report that you could send us that will let us show that TCEQ has inspected the site of the SSO and the clean up procedure has been cleared?

Thanks,

CAMINO REAL WWTP - CLEVELAND

7/24/2019 to 7/31/2019 Inv. # - 1580766

Page 5 of 6

Sample 3 was taken at latitude 30.1939, longitude -95.0931 at 12:25 pm. Concentrations for BOD were below the range of concentrations to be considered low strength untreated domestic wastewater. Furthermore, all ammonia nitrogen samples were below reporting limits, further indicating the area no longer had the presence of raw sewage in the stream. Total suspended solids concentrations were elevated, but this does not appear to be a result of an untreated wastewater discharge (Attachment 9, Sample Map and Laboratory Analysis Report from July 31, 2019).

CONCLUSION

During the investigation a sewage discharge and a fish kill were confirmed. The "blue colored" sewage discharge was not confirmed. The sewage discharge observed had a gray to dark gray color.

The regulated entity indicated in a noncompliance notification that the cause of the unauthorized discharge was due to faulty wiring which caused the lift station pumps to not turn on. An e-mail from the regulated entity stated the estimated volume of the discharge was 40,000 gallons (Attachment 10, August 12, 2019 e-mail from Quadvest, L.P.)

Furthermore, investigators witnessed an operator pull out a hose from the lift station, Camino Real LS-H at 342 Rd 5002, which also caused a sewage discharge onto the ground and into Maple Branch Creek.

A site visit and sample results from July 31, 2019 indicated the area no longer had the presence of raw sewage in Maple Branch Creek.

NOE Date: 9/26/2019

OUTSTANDING ALLEGED VIOLATION(S) ASSOCIATED TO A NOTICE OF ENFORCEMENT

Track Number: 728776

Compliance Due Date: To Be Determined

Violation Start Date: 7/23/2019

2D TWC Chapter 26.121(a)(1)

30 TAC Chapter 305.125(1)

EPA ID TX0136921, WQ0015452001

Permit Conditions No. 2(g), Page No. 10

Alleged Violation:

Investigation: 1580766

Comment Date: 09/25/2019

Failure to prevent the unauthorized discharge of wastewater which results in a documented serious impact to the environment.

Specifically, a lift station was responsible for the release of sewage into a receiving stream resulting in a fish kill. A noncompliance notification provided on July 23, 2019, indicated an unauthorized discharge from "Camino Real LS-H" into a drainage ditch near 342 Rd 5002 and 173 Rd. 5031 and into Maple Branch Creek causing a fish kill. The estimated amount was 40,000 gallons. The unauthorized discharge started at approximately 6 PM on July 22, 2019 and ended around 10 AM on July 23, 2019.

On July 23, 2019, TCEQ investigators witnessed an operator pull out a hose from the lift station, Camino Real LS-H at 342 Rd 5002, which also caused a sewage discharge onto the ground and into Maple Branch Creek.

Recommended Corrective Action: There shall be no unauthorized discharge of wastewater.

Quadvest, L.P.
Camino Real Wastewater Treatment Facility
RN109018424
Address of WWTF: located approximately 1000 feet north-northeast of Paul Campbell Loop
Road and Plum Drive, in Liberty County, Texas 77327
Investigation: 1580766
Incident: 317137, 317138, 317139, 317894
Complaint Investigation

ATTACHMENTS

- 1. TCEQ Exit Interview sent on Wednesday, July 24, 2019**
- 2. Water Quality Noncompliance Notification from December 13, 2017**
- 3. Overview Map**
- 4. Investigation Photos from Tuesday, July 23, 2019**
- 5. July 24, 2019 e-mail from Quadvest, L.P.**
- 6. Water Quality Noncompliance Notification from July 23, 2019**
- 7. Sample Map and Laboratory Analysis Report from Tuesday, July 23, 2019**
- 8. Investigation Photos from Wednesday, July 31, 2019**
- 9. Sample Map and Laboratory Analysis Report from Wednesday, July 31, 2019**
- 10. August 12, 2019 e-mail from Quadvest, L.P.**

**Quadvest, L.P.
Camino Real Wastewater Treatment Facility
RN109018424**

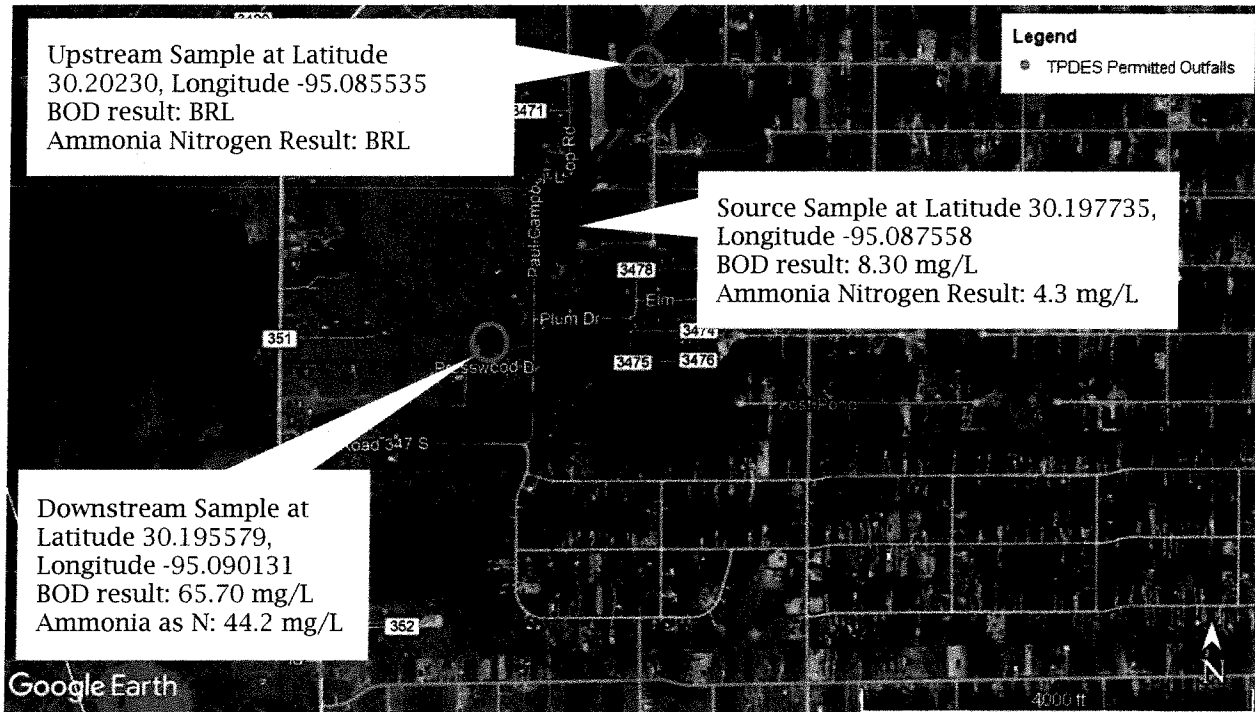
**Address of WWTF: located approximately 1000 feet north-northeast of Paul Campbell Loop
Road and Plum Drive, in Liberty County, Texas 77327**

Investigation: 1580766

Incident: 317137, 317138, 317139, 317894

Complaint Investigation

Sample Location Map for Tuesday, July 23, 2019



Location: 30.20230, -95.085535 (upstream)
Sample Time: 3:51 pm

Parameter	Measured Value	Low Strength Wastewater	High Strength Wastewater	Sample Type	COC Tag No.	Primary Source of Wastewater or Waste
BOD (mg/L)	BRL	250*	400*	Grab	W012407-03	Domestic
TSS (mg/L)	28.0	120**	400**	Grab	W012407-03	Domestic
NH ₃ N (mg/L)	BRL	15*	75*	Grab	W012407-03	Domestic

BRL- Below Reporting Limit

*30 Texas Administrative Code §217.32(a)(3), Table B.1.- Design Organic Loadings and Flows for a New Wastewater Treatment Facility. Municipality Residential.

**Composition of Wastewater Strength Source of information: Metcalf and Eddy, Inc. Wastewater Engineering: Treatment Disposal and Reuse, third edition. New York: McGraw-Hill, 2003.

INSPECTION SAMPLE RESULTS FOR Tuesday, July 23, 2019

Entity Name: Camino Real Wastewater Treatment Facility

TCEQ ID No.: R109018424

Investigation: 1580766

Date of Inspection: Tuesday, July 23, 2019

Location: 30.196481, -95.088947 (Source)

Sample Time: 3:08 pm

Parameter	Measured Value	Low Strength Wastewater	High Strength Wastewater	Sample Type	COC Tag No.	Primary Source of Wastewater or Waste
BOD (mg/L)	8.30	250*	400*	Grab	W012407-01	Domestic
TSS (mg/L)	47.8	120**	400**	Grab	W012407-01	Domestic
NH ₃ N (mg/L)	4.3	15*	75*	Grab	W012407-01	Domestic

Location: 30.195579, -95.090131 (downstream)

Sample Time: 3:35 pm

Parameter	Measured Value	Low Strength Wastewater	High Strength Wastewater	Sample Type	COC Tag No.	Primary Source of Wastewater or Waste
BOD (mg/L)	65.70	250*	400*	Grab	W012407-02	Domestic
TSS (mg/L)	61.4	120**	400**	Grab	W012407-02	Domestic
NH ₃ N (mg/L)	44.2	15*	75*	Grab	W012407-02	Domestic

TCEQ EXIT INTERVIEW FORM: Potential Violations and/or Records Request					
Regulated Entity/Site Name		Camino Real Wastewater Treatment Facility (WWTF)		TCEQ Add. ID No. RN No (optional)	RN109018424
Investigation Type		WWCMPL	Contact Made In-House (Y/N)	Purpose of Investigation	Water Quality Complaint Investigation
Regulated Entity Contact		Ms. Jaylynn Thibault		Telephone No.	07/24/2019
Title		Environmental Compliance Coordinator		FAX #/Email address	FAX/Email date 07/24/2019

NOTICE: The information provided in this form is intended to provide clarity to issues that have arisen during the investigation process between the TCEQ and the regulated entity named above and does not represent final TCEQ findings related to violations. Any potential or alleged violations discovered after the date on this form will be communicated to the regulated entity representative prior to the issuance of a notice of violation or enforcement. Conclusions drawn from this investigation, including additional violations or potential violations discovered (if any) during the course of this investigation, will be documented in a final investigation-report.

For Records Request, identify the necessary records, the company contact and date due to the agency. For Alleged and Potential Violation issues, include the rule in question with the clearly described potential problem. Other type of issues: fully describe.		
No.	Type ¹	Description of Issue
1	AV	TEXAS WATER CODE 26.121(a); TPDES Permit WQ0015452001, Permit Conditions No. 2(g) Failed to prevent the unauthorized discharge of wastewater which results in a documented serious impact to the environment. Specifically, a lift station and manhole appeared to be responsible for the release of sewage into a receiving stream resulting in a fish kill.

Note 1: Issue Type Can Be One or More of: AV (Alleged Violation), PV (Potential Violation), O (Other), or RR (Records Request)

Did the TCEQ document the regulated entity named above operating without proper authorization?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Did the investigator advise the regulated entity representative that continued operation is not authorized?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Document Acknowledgment. Signature on this document establishes only that the regulated entity (RE) representative received a copy of this document and associated continuation pages on the date noted. If contact was made by telephone, the document will be sent via FAX or Email to RE; therefore, the RE signature is not required.

Jack Coleman	7/24/2019	
Investigator Name (Signed & Printed)	Date	Regulated Entity Representative Name (Signed & Printed)
		Date

If you have questions about any information on this form, please contact your local TCEQ Regional Office.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, call 512/239-3282.

White Copy: Regulated Entity Representative
TCEQ 20085 (4/08)

Yellow Copy: TCEQ

INSPECTION SAMPLE RESULTS FOR Tuesday, July 23, 2019

Entity Name: Camino Real Wastewater Treatment Facility

TCEQ ID No.: R109018424

Investigation: 1580766

Date of Inspection: Wednesday, July 31, 2019

Location: 30.1982, -95.0878 (Source)

Sample Time: 11:15 pm

Parameter	Measured Value	Low Strength Wastewater	High Strength Wastewater	Sample Type	COC Tag No.	Primary Source of Wastewater or Waste
BOD (mg/L)	4.02	250*	400*	Grab	W012405-01	Domestic
TSS (mg/L)	192.6	120**	400**	Grab	W012405-01	Domestic
NH ₃ N (mg/L)	BRL	15*	75*	Grab	W012405-01	Domestic

Location: 30.2024, -95.0853 (upstream)

Sample Time: 11:35 am

Parameter	Measured Value	Low Strength Wastewater	High Strength Wastewater	Sample Type	COC Tag No.	Primary Source of Wastewater or Waste
BOD (mg/L)	4.56	250*	400*	Grab	W012405-02	Domestic
TSS (mg/L)	93.2	120**	400**	Grab	W012405-02	Domestic
NH ₃ N (mg/L)	BRL	15*	75*	Grab	W012405-02	Domestic

Location: 30.1939, -95.0931 (downstream)
Sample Time: 12:25 pm

Parameter	Measured Value	Low Strength Wastewater	High Strength Wastewater	Sample Type	COC Tag No.	Primary Source of Wastewater or Waste
BOD (mg/L)	5.60	250*	400*	Grab	W012407-02	Domestic
TSS (mg/L)	43.4	120**	400**	Grab	W012407-02	Domestic
NH ₃ N (mg/L)	BRL	15*	75*	Grab	W012407-02	Domestic

BRL- Below Reporting Limit

*30 Texas Administrative Code §217.32(a)(3), Table B.1.- Design Organic Loadings and Flows for a New Wastewater Treatment Facility. Municipality Residential.

**Composition of Wastewater Strength Source of information: Metcalf and Eddy, Inc. Wastewater Engineering: Treatment Disposal and Reuse, third edition. New York: McGraw-Hill, 2003.

Attachment 6

Attachment 3

Attachment 2

Attachment 1

Laboratory Analysis Report

Total Number of Pages: 12

Job ID : 19071534



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, <http://www.ablabs.com>

Client Project Name :

W012407 / Reg. 12, PCA Code: 06312, Program: Water Quality

Report To : Client Name: TCEQ P.O.#:
Attn: Jack Coleman Sample Collected By: Jack Coleman
Client Address: 5425 Polk Ave Suite H Date Collected: 07/23/19
City, State, Zip: Houston, Texas, 77023-1483

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
W012407-01	Liquid	19071534.01
W012407-02	Liquid	19071534.02
W012407-03	Liquid	19071534.03
W012407-04	Liquid	19071534.04

Released By: Sylvia Ann Garza
Title: Senior Project Manager
Date: 7/31/2019



This Laboratory is NELAP (T104704213-19-20) accredited. Effective: 04/01/2019; Expires: 3/31/2020

Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

Date Received : 07/24/2019 10:47

**LABORATORY TEST RESULTS**

Job ID : 19071534

Date 7/31/2019

Client Name: TCEQ

Attn: Jack Coleman

Project Name: W012407 / Reg. 12, PCA Code: 06312, Program: Water Quality

Client Sample ID: W012407-01

Job Sample ID: 19071534.01

Date Collected: 07/23/19

Sample Matrix Liquid

Time Collected: 15:08

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 2540D	Total Suspended Solids								
	TSS	47.8	mg/L	2.00	5.00			07/24/19 12:10	CO
SM 4500NH3D	Ammonia as Nitrogen								
	Ammonia as N	4.3	mg/L	1	0.1			07/26/19 09:12	SG
SM 5210B	Biochemical Oxygen Demand								
	BOD	8.30	mg/L	1	2			07/24/19 06:30	YSK

**LABORATORY TEST RESULTS**

Job ID : 19071534

Date 7/31/2019

Client Name: TCEQ

Attn: Jack Coleman

Project Name: W012407 / Reg. 12, PCA Code: 06312, Program: Water Quality

Client Sample ID: W012407-03

Job Sample ID: 19071534.03

Date Collected: 07/23/19

Sample Matrix Liquid

Time Collected: 15:51

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 2540D	Total Suspended Solids TSS	28.0	mg/L	2.00	5.00			07/24/19 12:10	CO
SM 4500NH3D	Ammonia as Nitrogen Ammonia as N	BRL	mg/L	1	0.1			07/26/19 09:12	SG
SM 5210B	Biochemical Oxygen Demand BOD	BRL	mg/L	1	2			07/24/19 06:30	YSK

QUALITY CONTROL CERTIFICATE



Job ID : 19071534

Date : 7/31/2019

Analysis : Total Suspended Solids		Method : SM 2540D	Reporting Units : mg/L
QC Batch ID : Qb19072506	Created Date : 07/24/19	Created By : CObuekwe	
Samples in This QC Batch : 19071534.01,02,03,04			
Sample Preparation : PB19072503	Prep Method : SM 2540D	Prep Date : 07/24/19 12:00	Prep By : CObuekwe

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
TSS		BRL	mg/L	1	2.50	

QC Type: Duplicate

QC Sample ID: 19071529.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit	Qual
TSS	9.0	7.6	mg/L	16.9	20	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TSS	500	430.4	86.1						72-108	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE



Job ID : 19071534

Date : 7/31/2019

Analysis :	Biochemical Oxygen Demand	Method :	SM 5210B	Reporting Units :	mg/L
QC Batch ID :	Qb19072956	Created Date :	07/24/19	Created By :	SKYanduru
Samples in This QC Batch :	19071534.04				
Sample Preparation :	PB19072942	Prep Method :	SM 5210B	Prep Date :	07/24/19 06:30
				Prep By :	SKYanduru

QC Type: Method Blank							
Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
BOD		BRL	mg/L	1	2		

QC Type: Duplicate							
QC Sample ID: 19071537.01							
Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
BOD	BRL	BRL	mg/L	0	20		

QC Type: LCS and LCSD										
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
BOD	200	200.00	100	200	193.00	96.5	3.6	20	83.8-114.2	

Refer to the Definition page for terms.

Chain of Custody Record

W 012407

Send to:
☐ Houston Laboratory
 Phone: 281-457-5229
☐

Region: 12 Organization #: PCA Code: 06312 Program: Water Quality
 Sampler Name: Jack Collins Sampler Signature: Jack Collins
 Sampler phone number: 713-767-3774 E-Mail ID: jack.collins@tceq.texas.gov

Containers* P Preservatives** i 1 1,2
 BOD CBOD TSS NH₃-N E. Coll
 Analytes Requested

Sample ID	Sampling		Comp	Grab	Matrix L = Liquid S = Solid	No. of Containers	Containers*					Remarks
	Date	Time					BOD	CBOD	TSS	NH ₃ -N	E. Coll	
9071534.01KZ	7/23/19	3:08 P.M.	X	L	3	X	X	X	X			
02KZ	7/23/19	3:35 P.M.	X	L	3	X	X	X	X			
03KZ	7/23/19	3:51 P.M.	X	L	3	X	X	X	X			
04KZ	7/23/19	3:51 P.M.	X	L	3	X	X	X	X			
-05												
-06												
-07												
-08												

RELINQUISHED BY: Jack Collins DATE: 7/24/2019 TIME: 10:47 AM RECEIVED BY: Handwritten Signature DATE: 7/24/2019 TIME: 10:47 AM

LAB USE ONLY

Received on Ice: ☒ Y ☐ N
 Temperature: 41.05-3.0 °C (70.7029)
 Preserved: ☐ Y ☐ N
 COC Seal: ☐ Y ☐ N
 Seals Intact: ☐ Y ☐ N

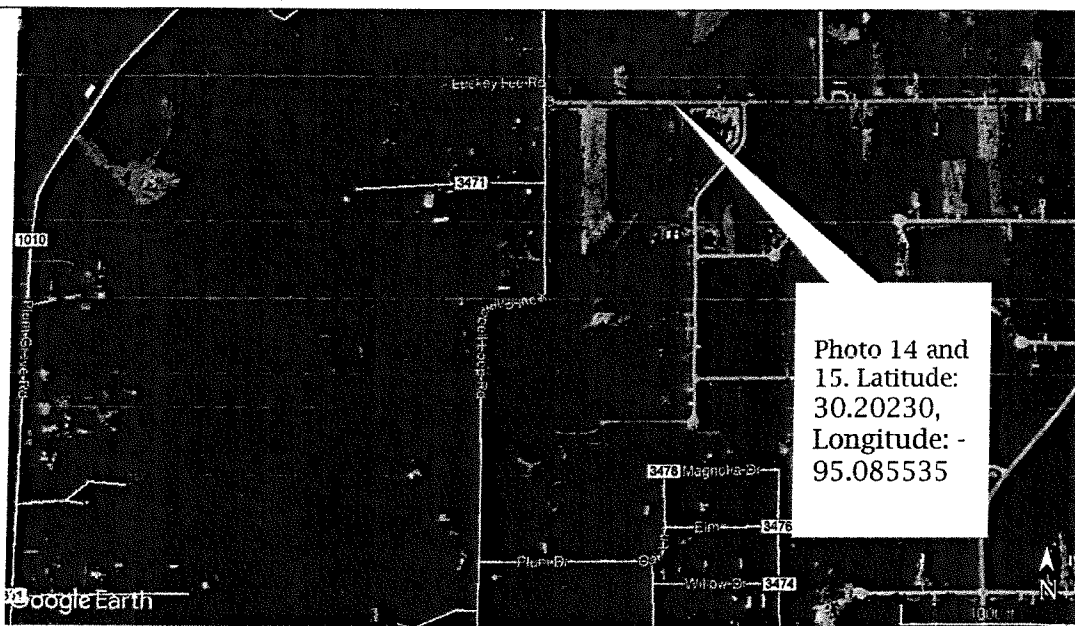
Shipper Name: _____ Shipper Number: _____

*Containers: P = Plastic G = Clear Glass A = Amber Glass V = VOA Vials O = Other
 **Preservatives: 1 = Ice 2 = H₂SO₄ 3 = HCl 4 = HNO₃ 5 = Na₂S₂O₃ 6 = Other

TCEQ-20649 (Rev. 6/13) Page 11 of 12 Yellow Pink - Collector Copy

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
Date Photographed	July 23, 2019	Taken by Investigator:	Jack Coleman
Regulated Entity No.:	RN109018424	Address:	located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327
Investigation No.:	1580766		



Description: Photo location 14 and 15 overview map.

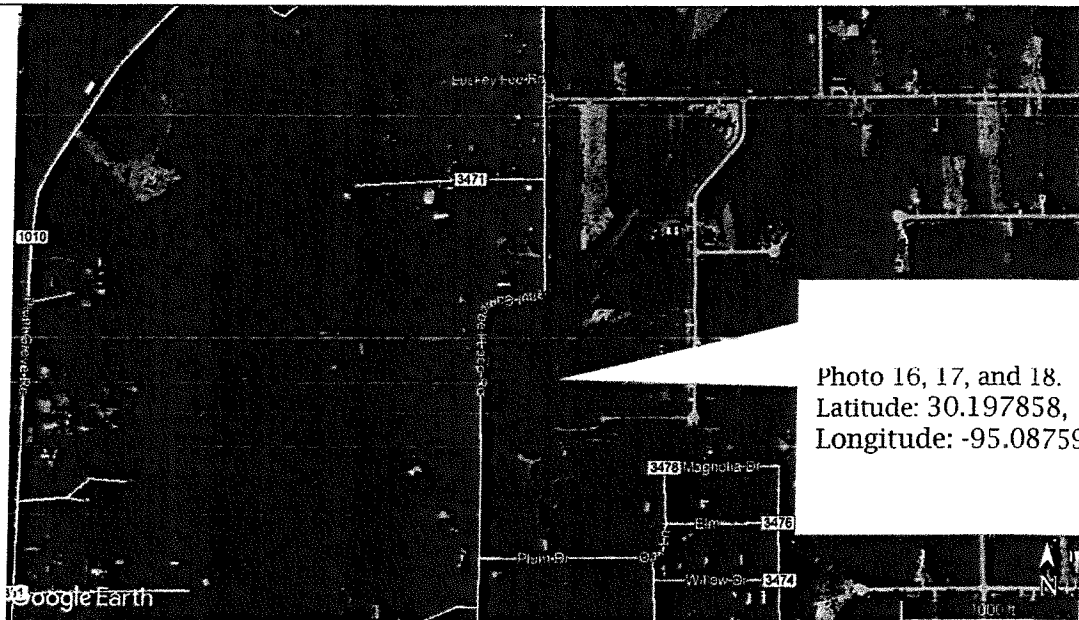


Description: Upper intermittent stream of Maple Branch Creek. Water appeared a sandy color, turbid, and no odor was present. Photo taken facing south. Latitude 30.20230, Longitude -95.085535. (Upstream sample location).

14

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
Date Photographed	July 23, 2019	Taken by Investigator:	Jack Coleman
Regulated Entity No.:	RN109018424	Address:	located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327
Investigation No.:	1580766		



Description: Photo location 16, 17, and 18 overview map.



Description: Intermittent stream of Maple Branch Creek by lift station. Water appeared a sandy color, turbid, and odor was present. Photo taken facing west. Latitude 30.197858, Longitude -95.087595.

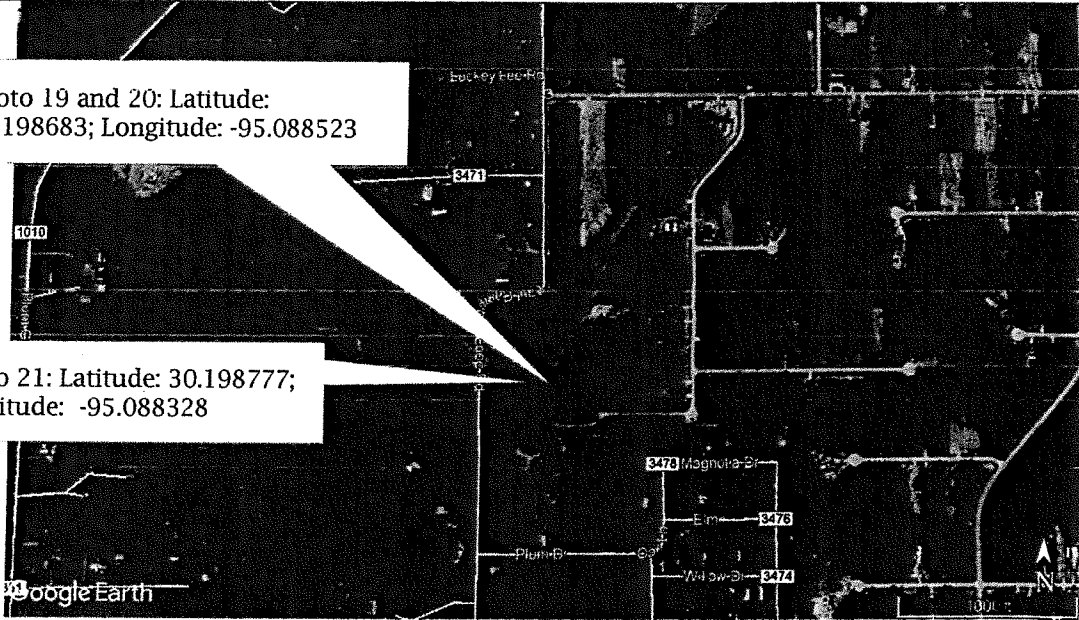
16

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
Date Photographed	July 23, 2019	Taken by Investigator:	Jack Coleman
Regulated Entity No.:	RN109018424	Address:	located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327
Investigation No.:	1580766		

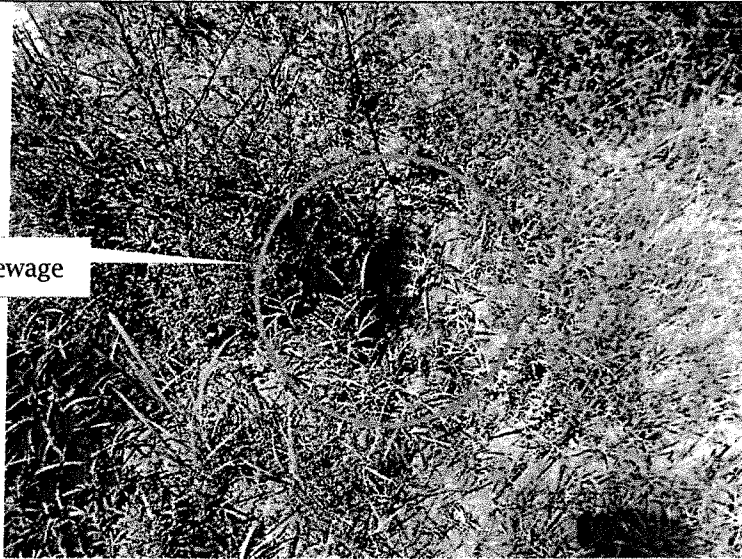
Photo 19 and 20: Latitude:
30.198683; Longitude: -95.088523

Photo 21: Latitude: 30.198777;
Longitude: -95.088328



Description: Photo location 19, and 20 overview map.

Raw sewage

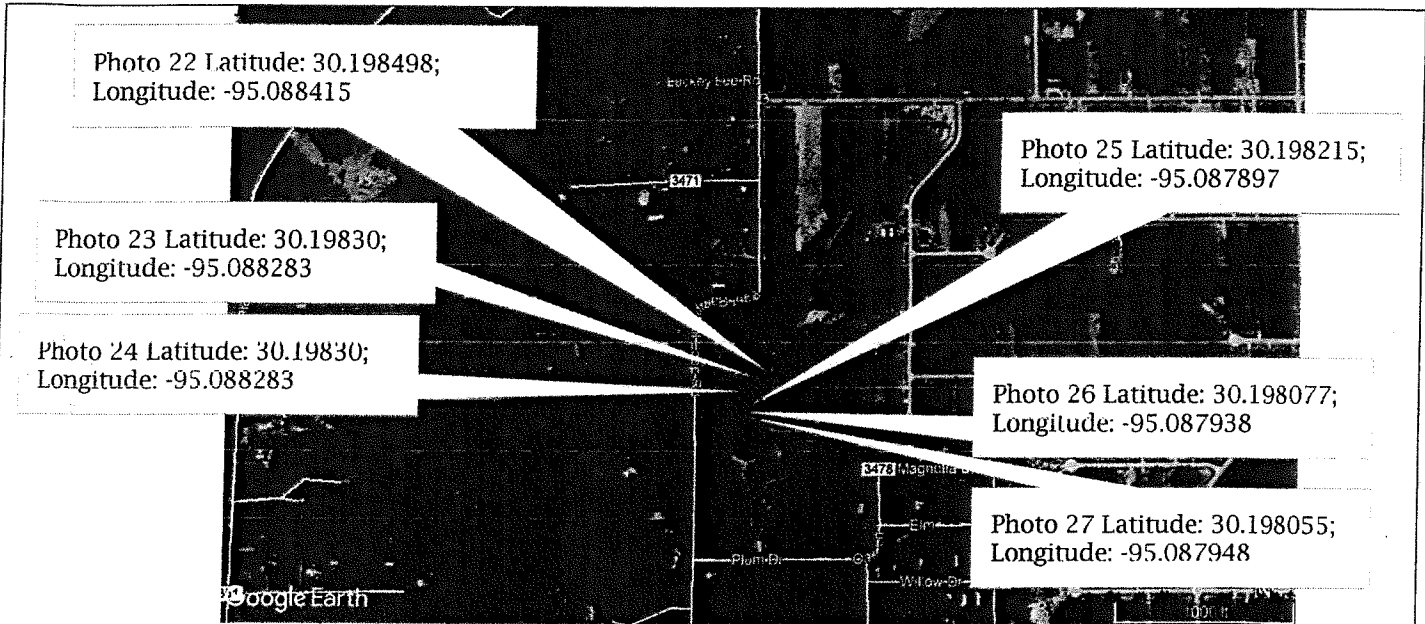


Description: Water next to manhole was dark near lift station. Evidence of discharge present.
Photo taken facing northwest. Latitude 30.198683, Longitude -95.088523

19

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
Date Photographed	July 23, 2019	Taken by Investigator:	Jack Coleman
Regulated Entity No.:	RN109018424	Address:	located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327
Investigation No.:	1580766		



Description: Photo location 22, 23, 24, 25, 26 and 27 overview map.

A second vac truck was present.



Description: Water appeared a sandy color, turbid, and odor was present. Water color changed to a dark grey further downstream. Photo taken facing south. Latitude 30.198498, Longitude -95.088415

22

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
Date Photographed	July 23, 2019	Taken by Investigator:	Jack Coleman
Regulated Entity No.:	RN109018424	Address:	located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327
Investigation No.:	1580766		



Description: Water appeared a gray color, turbid, and odor was present. The color continues to get darker. Photo taken facing south. Latitude 30.198215, Longitude -95.087897

25



Description: Water appeared a dark gray color, turbid, and odor was present. The color continues to get darker. Photo taken facing southeast. Latitude 30.198077, Longitude -95.087938

26

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
Date Photographed	July 23, 2019	Taken by Investigator:	Jack Coleman
Regulated Entity No.:	RN109018424	Address:	located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327
Investigation No.:	1580766		

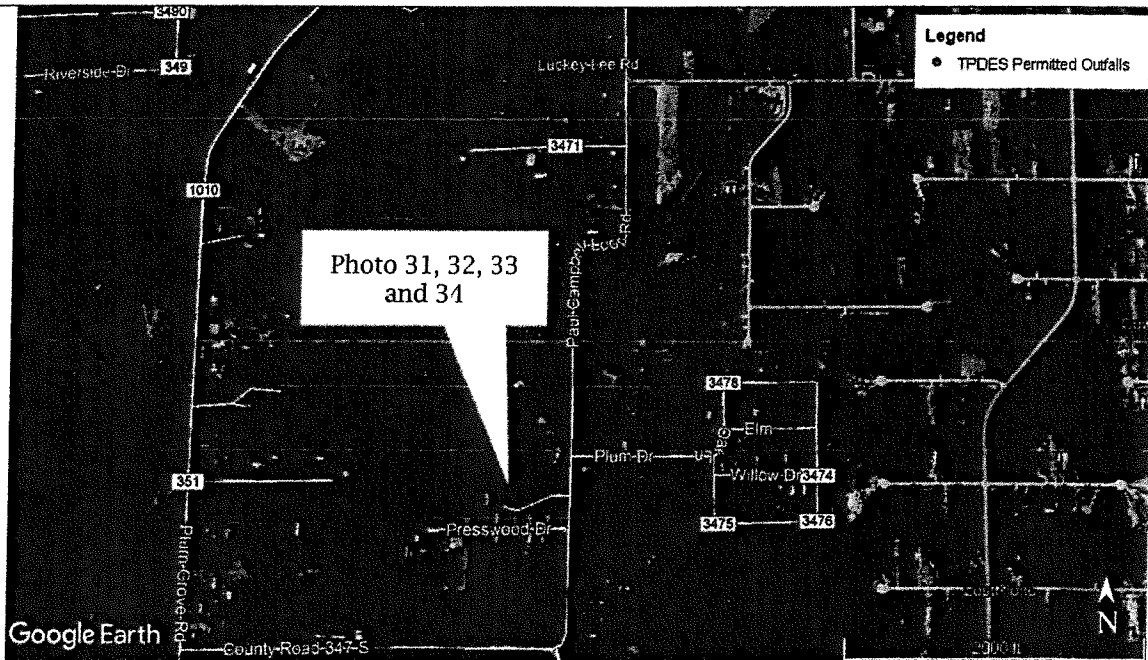
Discharge of
sewage from
hose coming out
of lift station.



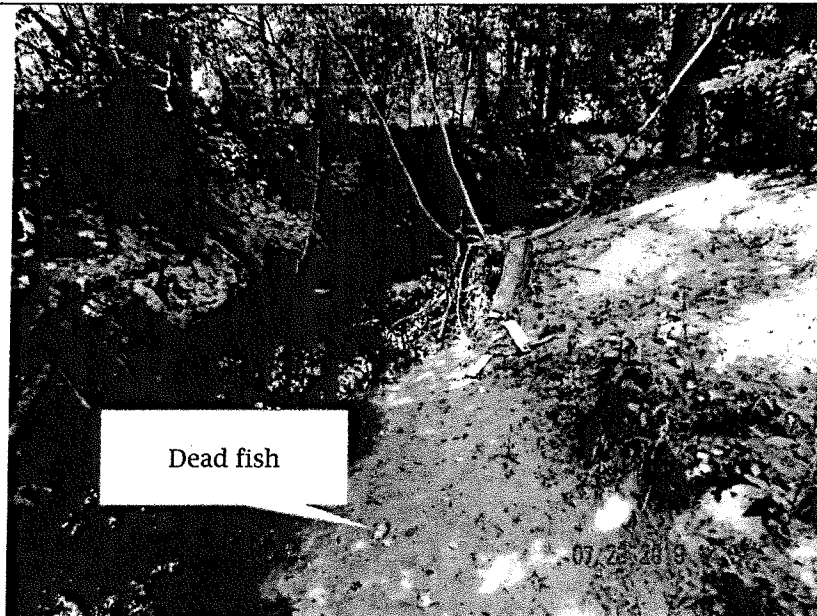
Description:	Unauthorized discharge at the lift station. The maintenance crew pulled out a hose that contained sewage water. This water drained off in to the nearby receiving stream. Photo taken facing northwest. Latitude 30.197858, Longitude -95.087595.	29
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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY WATER QUALITY REPORT

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
Date Photographed	July 23, 2019	Taken by Investigator:	Jack Coleman
Regulated Entity No.:	RN109018424	Address:	located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327
Investigation No.:	1580766		



Description: Photos location 31, 32, 33 and 34 overview map.



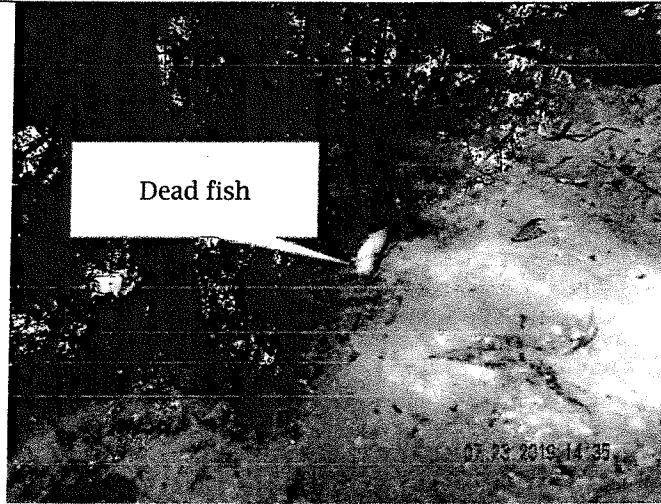
Dead fish

Description: The intermittent stream of Maple Branch Creek at Latitude 30.192107, Longitude -95.09608. The water was dark gray, turbid, and had a strong sewage odor. Photo taken facing north.

31

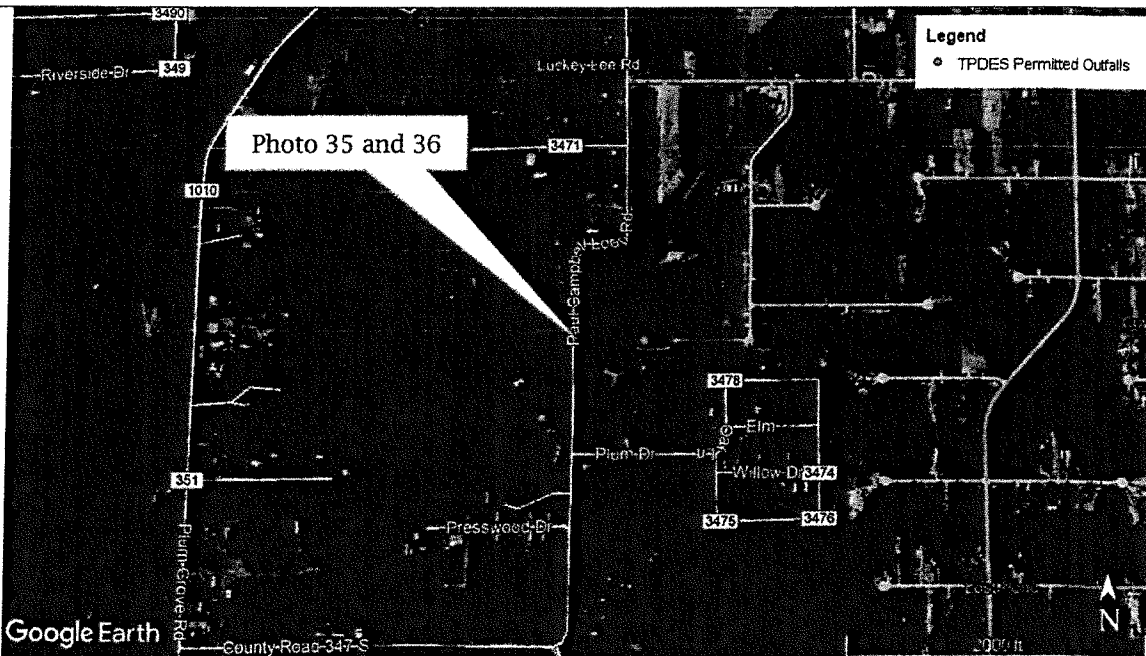
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY WATER QUALITY REPORT

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
Date Photographed	July 23, 2019	Taken by Investigator:	Jack Coleman
Regulated Entity No.:	RN109018424	Address:	located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327
Investigation No.:	1580766		



Description: The intermittent stream of Maple Branch Creek at Latitude 30.195203, Longitude -95.090543. The water was dark gray, turbid, and had a strong sewage odor.

34



Description: Photo 35 and 36 location overview map.



Guidance - Water Quality Noncompliance Notification Form

When reporting an unauthorized discharge or sanitary sewer overflow (SSO), it is important to include all information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.125(9), and, if applicable, 30 TAC Section 319.302(b).

This form may be used as the 24-hour notification to the Regional Office and may also be used as the 5-day written report. If the event was reported within 24 hours via phone, or an incomplete form was submitted as part of the 24-hour reporting requirement, you must fax or mail a completed, signed copy within 5 days to the Water Section Manager at your TCEQ Regional Office. The original, signed copy should be mailed to the address located at the bottom of the form.

Unauthorized Discharge - An unauthorized discharge is any discharge of wastewater into or adjacent to waters in the state at a location not permitted as an outfall. An SSO is any overflow, regardless of volume, from a sewer collection system (i.e., lift stations, manholes, force mains, cleanouts, service lines). An SSO is considered to be an **"unauthorized discharge."**

General Information

"Entity name" is your permitted name (owner name for subscriber systems). Designate with an "X" or "✓" to identify whether you are a permittee or subscriber.

Permit Number - Include your TCEQ WQ permit number (i.e., WQ0012345001). If you are a **subscriber**, use the permit number of the treatment plant to which the collection system is tied. If the WQ permit is unknown, please call the TCEQ Regional Office for assistance.

Noncompliance Summary

Description of Noncompliance:

- Location & collection system structure (i.e., Manhole at 650 Main St.)
- Route of discharge – Follow the discharge from its origin to where it was contained or entered a receiving waterway. If the receiving waterway is unnamed, provide the name of the nearest named adjoining

waterway. (Examples: soaked into ground; manhole → nearby storm ditch → unnamed tributary of Kings Creek)

- Estimated amount of the discharge (includes any recovered amount)

Cause of Noncompliance: Why did this incident occur? Was it caused by grease, blockage, infiltration or inflow, equipment failure, structural failure, power outage, vandalism, human error, contractor, unknown?

Duration: Include dates and times.

Potential Danger to Human Health & Safety or the Environment: Any danger to the aforementioned should be promptly discussed with the TCEQ Regional Office. Additional notifications may be necessary.

Actions Taken

Monitoring Data: Designate with an "X" or "✓."

Actions taken to Mitigate Adverse Effects:

Ask yourself, "How did we keep this from becoming an environmental or health problem?" Include information such as:

- amount recovered from the total estimated amount stated under the description above
- method used to recover the wastewater
- treatments used for disinfection or deodorizing
- activities to lessen impact to property, a waterway, or public health

Actions taken to correct the problem and prevent recurrence:

Ask yourself, "How did we address the direct cause of the overflow, and was there anything else we did to prevent this noncompliance from occurring again?" Include actions such as:

- jetting the main
- educating residents about proper grease disposal
- adding the location to your preventative maintenance list
- repairing equipment, circuits, or replacing lines, etc.

Verification Information

Information Reported By: Include both your name and title. Please sign and date the form.

QUALITY CONTROL CERTIFICATE



Job ID : 19071993

Date : 8/7/2019

Analysis : Total Dissolved Solids	Method : SM 2540C	Reporting Units : mg/L
QC Batch ID : Qb19080212	Created Date : 08/02/19	Created By : CObuekwe
Samples in This QC Batch : 19071993.01,02,03		
Sample Preparation : PB19080217	Prep Method : SM 2540C	Prep Date : 08/02/19 09:47 Prep By : CObuekwe

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
TDS		BRL	mg/L	1	10	

QC Type: Duplicate

QC Sample ID: 19071955.03

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit	Qual
TDS	13260.0	13000.0	mg/L	2	5	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TDS	500	512.0	102						80-120	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE



Job ID : 19071993

Date : 8/7/2019

Analysis : Total Suspended Solids Method : SM 2540D Reporting Units : mg/L

QC Batch ID : Qb19080122 Created Date : 08/01/19 Created By : CObuekwe

Samples in This QC Batch : 19071993.01,02,03

Sample Preparation : PB19080122 Prep Method : SM 2540D Prep Date : 08/01/19 11:13 Prep By : CObuekwe

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
TSS		BRL	mg/L	1	2.50	

QC Type: Duplicate

QC Sample ID: 19071991.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit	Qual
TSS	1.7	1.6	mg/L	6.1	20	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TSS	500	426.8	85.4						72-108	

Refer to the Definition page for terms.

**LABORATORY TEST RESULTS**

Job ID : 19071993

Date 8/7/2019

Client Name: TCEQ

Attn: Nicole Morris

Project Name: 012405 / Reg. 12, Program: Water Quality

Client Sample ID: W012405-02

Job Sample ID: 19071993.02

Date Collected: 07/31/19

Sample Matrix Liquid

Time Collected: 11:35

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 2540C	Total Dissolved Solids TDS	392.0	mg/L	1	10			08/02/19 10:00	CO
SM 2540D	Total Suspended Solids TSS	93.2	mg/L	4.00	10			08/01/19 11:30	CO
SM 4500NH3D	Ammonia as Nitrogen Ammonia as N	BRL	mg/L	1	0.1			08/02/19 08:42	SG
SM 5210B	Biochemical Oxygen Demand BOD	4.56	mg/L	1	2			08/02/19 09:00	YSK

LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Job ID : 19071993

Date: 8/7/2019

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
MS	Matrix Spike	surr	Surrogate
MSD	Matrix Spike Duplicate	T	Time
MW	Molecular Weight	TNTC	Too numerous to count
J	Estimation. Below calibration range but above MDL		

Qualifier Definition

Chain of Custody Record

W 012405

Send to:
☐ Houston Laboratory
 Phone: 281-457-5229
☒ **axb labs**

Region: 12 Organization #: PCA Code: Water Quality
 Sampler Name: Nicole Morris (print) Sampler Signature: Nicole Morris
 Sampler phone number: 713-767-3716 E-Mail ID: Nicole.Morris@texas.gov

LAB USE ONLY	Sample ID	Sampling		Comp	Grab	Matrix L = Liquid S = Solid	No. of Containers	Containers*		Analyses Requested						Remarks
		Date	Time					Preservatives**		BOD	CBOD	TSS	NH ₃ -N	E. Coli	TDS	
	19071993.01AD	7/31/19	1115	X	L		4			X	X	X	X	X	X	
	02AD	7/31/19	1135	X	L		4			X	X	X	X	X	X	
	03AD	7/31/19	1225	X	L		4			X	X	X	X	X	X	
	-04															
	-05															
	-06															
	-07															
	-08															

RELINQUISHED BY: Nicole Morris DATE: 7/31/19 TIME: 15:58 RECEIVED BY: [Signature] DATE: 7/31/19 TIME: 15:58

FOR LAB USE ONLY
 Received on Ice: ☐ Y ☐ N
 Temperature: 1.5-0.5 °C
 Preserved: ☐ Y ☒ N
 COC Seal: ☒ Y ☐ N
 Seals Intact: ☐ Y ☐ N

Shipper Name: _____ Shipper Number: _____

*Containers: P = Plastic G = Clear Glass A = Amber Glass V = VOA Vials O = Other
 **Preservatives: 1 = Ice 2 = H₂SO₄ 3 = HCl 4 = HNO₃ 5 = Na₂S₂O₃ 6 = Other

From: JayLynn Thibault [REDACTED]
Sent: Wednesday, July 24, 2019 3:01 PM
To: Jack Coleman <Jack.Coleman@tceq.texas.gov>
Cc: Nicole Morris <Nicole.Morris@tceq.texas.gov>; Kayla Ayala <Kayla.Ayala@tceq.texas.gov>; Tony Spears <tspears@quadvest.com>; Chad Portie <cportie@quadvest.com>; Angel Reyes <areyes@quadvest.com>
Subject: RE: Follow Up from Wednesday, July 23, 2019 for Camino Real WWTF Collection System

Good Afternoon Jack,

We had vactor trucks out there til dark last night. This morning they came back out and started vactoring in the red area on your map. They are still out there. No sure how long this will last, but they will be out there until it is all cleaned. About the pumping back into the manhole/lift station, I was told it was decant. They were using the vactor truck as a filter, to remove the solids and debris; the water was being pumped back into the system.

Please let me know if you need any other information. I will keep you updated with the cleanup process.

Thanks,
JayLynn

From: Jack Coleman <Jack.Coleman@tceq.texas.gov>
Sent: Wednesday, July 24, 2019 1:24 PM
To: JayLynn Thibault [REDACTED]
Cc: Nicole Morris <Nicole.Morris@tceq.texas.gov>; Kayla Ayala <Kayla.Ayala@tceq.texas.gov>
Subject: RE: Follow Up from Wednesday, July 23, 2019 for Camino Real WWTF Collection System

[CAUTION: EXTERNAL EMAIL SOURCE]

Jaylynn,

We are continuning to get complaints about this area.



Please see the attached Exit Interview Form: Potential Violations and/or Records Request, is provided as an attachment to this email to ensure that the issues are communicated regarding the compliance evaluation investigation conducted on Tuesday, July 23, 2019, at Camino Real Wastewater Treatment Facility Collection System; RN109018424; WQ001545201. Please note that the facility is still under investigation and changes can still be made. If there are questions about the information contained in the form, contact me as soon as possible.

Also, please complete the TCEQ Satisfaction Survey (optional).

<https://www.tceq.texas.gov/customersurvey>

I will call you to follow up with this e-mail.

Let me know if you have any questions.

Jack Coleman
TCEQ - Region 12
5425 Polk Street Suite H
Houston, Texas 77023
Work- (713)-767-3774
Fax- (713)-767-3691

MWB-WQ0015452001-60 2017 12/12 Discharge
Water Quality Noncompliance Notification
See back of Form for Guidance for Completion
☒ Unauthorized Discharge ☐ Reportable Effluent Violation ☐ Other
INC. NO. 289 654

General Information

Entity Name: Creekside

Telephone No: (281) 305-1111

☒ Permittee

☐ Subscriber

TCEQ Region: 12

County: Montgomery

*Permit Number: WQ0015452001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):
~5,000 gallons of sewer discharged from Camino Real WWTP LS-H into a drainage ditch near 342 Rd 5002 and ~500 gallons near 173 Rd. 5031. The affected area is being vactored and disinfected.

Cause of Noncompliance: Someone broke into our locked facility, turned off the Main Power Switch, and tried to steal the copper wire (again), but then saw that we replaced it with aluminum wire and left the facility, leaving the Main Power off.

Duration: Start Date and Time: 12/12/2017 time unknown

End Date and Time: 12/13/2017 by 3PM Or Date Expected to be Corrected:

Potential Danger to Human Health and Safety or the Environment: Wastewater did not runoff into waterways nor was a danger to human health.

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

☐ Yes ☒ No Field Measurements
☐ Yes ☒ No Laboratory Samples
☐ Yes ☒ No Fish Kill If yes, estimated number killed:

Actions Taken to Mitigate Adverse Effects: the area was vactored and disinfected.

Actions Taken to Correct the Problem and Prevent Recurrence: The Operator was called out and the Main Power was turned back on. May need to look into getting security cameras for that area.

Verification Information

Information Reported By (Name/Title): JayLynn Thibault/Compliance Coordinator

Date Reported: 12/13/2017 **Signature:** X 
JayLynn Thibault
Compliance Coordinator

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

JayLynn



JayLynn Thibault
Environmental Compliance Coordinator

www.quadvest.com

Please note our new office hours Monday – Friday 8:00am – 4:30pm

The information contained in this e-mail and any accompanying documents may contain information that is confidential or otherwise protected from disclosure. If you are not the intended recipient of this message, or if this message has been addressed to you in error, please immediately alert the sender by reply e-mail and then delete this message, including any attachments. Any dissemination, distribution or other use of the contents of this message by anyone other than the intended recipient is strictly prohibited.

CAMINO REAL WWTP - CLEVELAND

7/24/2019 to 7/31/2019 Inv. # - 1580766

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Signed



Environmental Investigator

Date

10/1/2019

Signed



Supervisor

Date

10-2-2019

Attachments: (in order of final report submittal)

☐ Enforcement Action Request (EAR)

☒ Letter to Facility (specify type) : NOE

☐ Investigation Report

☒ Sample Analysis Results

☐ Manifests

☐ Notice of Registration

☒ Maps, Plans, Sketches

☒ Photographs

☒ Correspondence from the facility

☒ Other (specify) :

TCA2 EAR Intervention

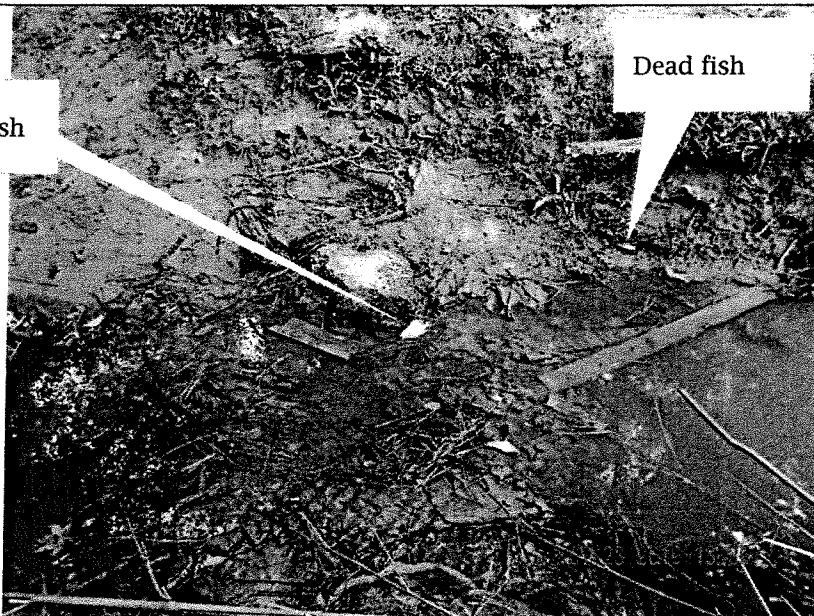
**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
Date Photographed	July 23, 2019	Taken by Investigator:	Jack Coleman
Regulated Entity No.:	RN109018424	Address:	located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327
Investigation No.:	1580766		



Description: Water appeared dark grey, moderately turbid, a sewage odor was present. Photo taken facing southwest. Latitude: 30.196432, Longitude: -95.089719.

11



Description: Water appeared dark grey, moderately turbid, a sewage odor was present. Photo taken Facing southwest. Latitude: 30.196512, Longitude: -95.089382

12

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
Date Photographed	July 23, 2019	Taken by Investigator:	Jack Coleman
Regulated Entity No.:	RN109018424	Address:	located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327
Investigation No.:	1580766		

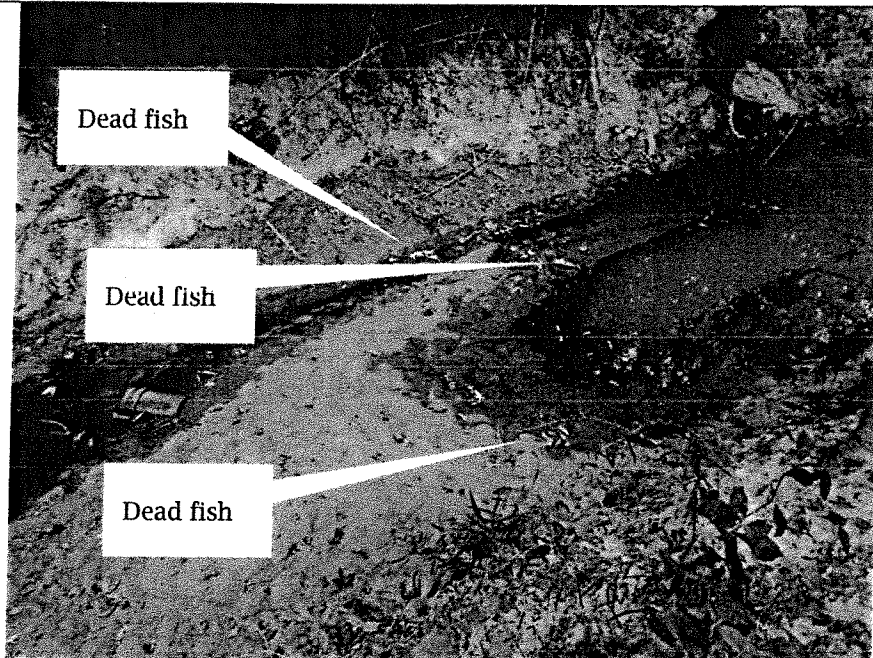


Description: Water in intermittent stream of Maple Branch Creek appeared dark grey, moderately turbid, a sewage odor was present. Photo taken Facing southwest.

9

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
Date Photographed	July 23, 2019	Taken by Investigator:	Jack Coleman
Regulated Entity No.:	RN109018424	Address:	located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327
Investigation No.:	1580766		



Description: Intermittent stream of Maple Branch Creek west of Paul Campbell Loop Road. Water Appeared dark grey, moderately turbid, a sewage odor was present. Photo taken facing north.

5

Dead fish



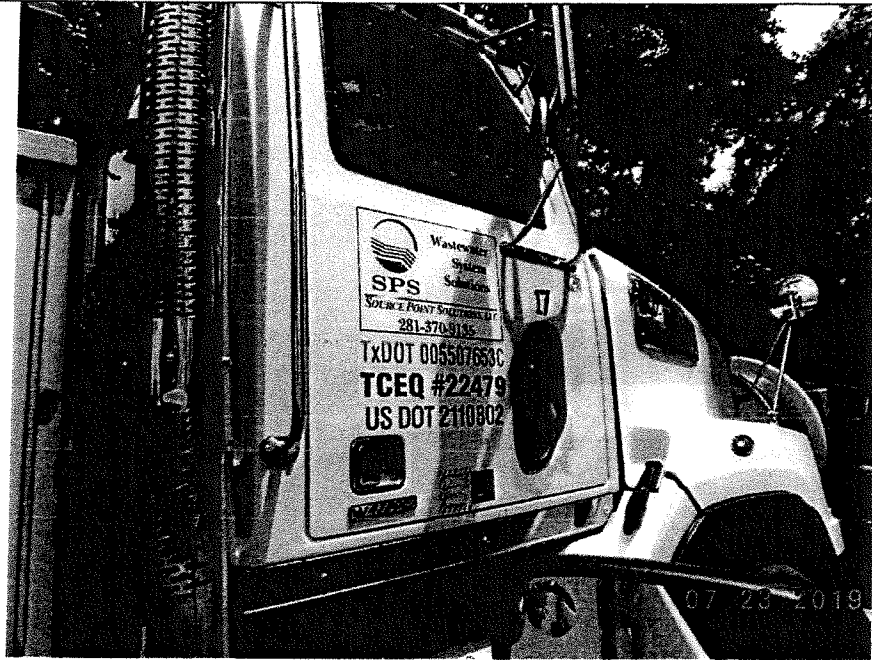
Dead fish

Description: Intermittent stream of Maple Branch Creek west of Paul Campbell Loop Road. Water Appeared dark grey, moderately turbid, a sewage odor was present. Deceased aquatic life present.

6

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY REPORT**

Facility Permit/ID No.	WQ0015452001	Facility/System Name:	Camino Real Wastewater Treatment Facility
Date Photographed	July 23, 2019	Taken by Investigator:	Jack Coleman
Regulated Entity No.:	RN109018424	Address:	located approximately 1000 feet north-northeast of Paul Campbell Loop Road and Plum Drive, in Liberty County, Texas 77327
Investigation No.:	1580766		



Description: Vacuum truck appeared to be pumping the creek. Photo Taken on Paul Campbell Loop Road facing at the intermittent stream of Maple Creek.

2

Culvert under
Paul Campbell
Loop Road



Description: A vacuum truck appeared to be pumping water from the intermittent stream of Maple Creek. Photo taken facing northeast from western side of Paul Campbell Loop Road.

3

CAMINO REAL WWTP - CLEVELAND

7/24/2019 to 7/31/2019 Inv. # - 1580766

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of Investigation Findings.

At 3:24 pm, the investigators arrived at County Road 347 S. and the intermittent stream of Maple Branch Creek crossing point. However, the vegetation was very thick, and Maple Creek was unable to be observed (Attachment 4, photo 30).

At 3:33 pm, the investigators arrived at coordinates latitude 30.195579, longitude - 95.090131. This location was between the intersection of the intermittent stream of Maple Branch Creek at Paul Campbell Loop Road and the intersection of Maple Branch Creek and County Road 347 S (off of Plum Drive). The water color at this location was a very dark gray and very turbid (Attachment 4, photo 31, 32, 33 and 34). There was also a strong sewage odor present and deceased aquatic life were observed. A sample was taken at 3:35 pm for BOD, TSS, and Ammonia Nitrogen.

At 3:44 pm, a manhole was observed to have a hose to the east of Paul Campbell Road and to the north of Maple Creek. Quadvest indicated that this was the decanted liquid from the stream to facilitate with clean up (Attachment 5, July 24, 2019 e-mail from Quadvest, L.P.). The decanted liquid is the drawn off liquid from the receiving stream. This liquid was then pumped to the vacuum truck where it was then filtered then pumped to a nearby manhole that would eventually feed into Grande San Jacinto WWTF.

At 3:45 pm, the investigators arrived back at coordinates latitude 30.20230, longitude - 95.085535 (upstream sample location from source). The water still appeared a sandy color, turbid, and no odor was present. A sample was collected at 3:51 pm. Parameters sampled were BOD, TSS, and Ammonia Nitrogen. The investigators left the area at 3:55 pm.

A noncompliance notification was provided on Wednesday, July 24, 2019 by Ms. Thibault. The unauthorized discharge occurred from Monday, July 22, 2019 to Tuesday, July 23, 2019. The alleged cause of the overflow was due to burned wiring on the pumps. The pumps could not operate and could not move the wastewater to a treatment facility. It was noted in the noncompliance that more than 30 fish were killed (Attachment 6, Water Quality Noncompliance Notification from July 23, 2019).

Sample results from the July 23, 2019 investigation are attached to this report (Attachment 7, Laboratory Analysis Report from July 23, 2019 and Sample Map). The sample downstream from the lift station where the unauthorized discharge occurred (latitude 30.195579, longitude -95.090131) showed elevated BOD and Ammonia Nitrogen concentrations consistent with low strength untreated domestic wastewater.

On July 29, 2019, a fourth complaint (Incident 317894) was received alleging sewage in Maple Branch Creek downstream from the first three complaint locations.

On July 31, 2019 the TCEQ conducted a follow-up investigation to a complaint at the Plum Grove area in Liberty County. Environmental Investigators, Ms. Nicole Morris and Ms. Cecilia Espinosa, conducted the investigation. The investigators arrived at 10:28 am. The lift station and manhole site of the July 23, 2019 overflow was observed, as well as the neighborhoods, and two wastewater treatment plants, Grande San Jacinto (Customer: Quadvest; WQ0015192001) and Plum Grove WWTP (Customer: Utilities Investment Company Inc.). No sludge or sewage was observed at any location.

The stream in the area, Maple Branch Creek, which had previously been impacted, was tan colored and appeared to contain sediment but no sludge or sewage was observed. No deceased aquatic life was observed. The stream areas observed were the intersection of Paul Campbell loop road and the intermittent stream of Maple Branch Creek (Attachment 8, photo 1, 2, 3, 4, and 5), the lift station area upstream of the Paul Campbell loop road and intermittent stream of Maple Branch Creek intersection (Attachment 8, photo 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16), the intermittent stream of Maple Branch Creek to the north of Presswood Dr. (Attachment 8, photo 17, 18, and 19), and the East Fork of the San Jacinto River (Attachment 8, photo 20, 21, and 22).

The investigators Nicole Morris and Cecilia Espinosa met with Mr. Billie Alldredge, Quadvest operator, and Mr. Justen Heinrich, Quadvest operator-in-training at the lift station. They provided the investigators a map of sewer connections and lift stations in the area. Mr. Billie Alldredge informed the investigators that to his knowledge all sewage was going to the Grande San Jacinto wastewater treatment plant.

Samples were taken at three locations along Maple Branch for TSS, Total Dissolved Solids (TDS), Ammonia Nitrogen, and BOD. These were taken to evaluate the presence of sludge/sewage. Sample 1 was taken at latitude 30.1982, longitude -95.0878 at 11:15 am. Sample 2 was taken at latitude 30.2024, longitude -95.0853 at 11:35 am.

CAMINO REAL WWTP - CLEVELAND

7/24/2019 to 7/31/2019 Inv. # - 1580766

Page 2 of 6

Role	Title	Name	Phone	
PARTICIPATED IN	VACTOR TECHNICIAN	CHRIS MILLILAN	Office	(281) 370-9135
REGULATED ENTITY CONTACT	ENVIRONMENTAL COMPLIANCE COORDINATOR	MS JAYLYNN THIBAUT	Cell Work Office	(281) 380-5644 (281) 305-1120 (281) 356-5347
PARTICIPATED IN	OPERATOR	MR.JUSTEN R HEINRICH	Office	(281) 356-5347
REGULATED ENTITY MAIL CONTACT	PRESIDENT	MR SIMON SEQUERIA	Phone Fax	(281) 356-5347 (281) 365-5382
PARTICIPATED IN	ENVIRONMENTAL COMPLIANCE COORDINATOR	MS JAYLYNN THIBAUT	Office Cell Work	(281) 356-5347 (281) 380-5644 (281) 305-1120
PARTICIPATED IN	OPERATOR	BILL ALLDREDGE	Office	(281) 356-5347

Other Staff Member(s):

Role	Name
Investigator	NICOLE MORRIS
QA Reviewer	DUSTIN ROBERTS
Investigator	CECILIA ESPINOSA
Supervisor	PRISCILLA HUDSON

Associated Check List

<u>Checklist Name</u>	<u>Unit Name</u>
WQ COMPLAINT INVESTIGATION	COMPLAINT

Investigation Comments:

On July 23, 2019, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office received three complaints (Incident nos. 317137, 317138, and 317139) alleging a blue colored sewage discharge and fish kill. The alleged incident occurred in an intermittent stream of Maple Branch Creek at County Road 347 South, Cleveland, Texas 77327. A fourth complaint (Incident 317894) was received on July 29, 2019 alleging sewage in Maple Branch Creek downstream from the first three complaint locations.

An investigation was conducted at the complaint location on July 23, 2019 by Mr. Jack Coleman and Ms. Nicole Morris, Environmental Investigators with the TCEQ Houston Region Office. A follow-up investigation was conducted by Ms. Nicole Morris and Ms. Cecilia Espinosa on July 31, 2019. The investigation was conducted as a result of a complaint; therefore, no notification of the investigation was given. On July 24, 2019, a verbal exit interview, explaining the results of the investigation, was conducted via phone at the conclusion of the investigation with Ms. Jaylynn Thibault, Environmental Compliance Coordinator with Quadvest L.P. A copy of the TCEQ Exit Interview Form was received by Mrs. Thibault (Attachment 1: TCEQ Exit Interview Form) via e-mail on Wednesday, July 24, 2019 for the alleged violation. Based on the findings of this investigation, a Notice of Enforcement (NOE) letter was issued to facilitate compliance.

BACKGROUND

A TCEQ Consolidated Compliance and Enforcement Data System (CCEDS) database search and Houston Regional Office file review was conducted pursuant to this investigation. The TCEQ has received one prior water quality complaint regarding the Camino Real Wastewater Treatment Facility collection system. A complaint was received on November 14, 2017 of an alleged raw sewage discharge coming from a manhole. An investigation was conducted on December 12, 2017. The following violations were noted: failure to prevent the unauthorized

LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Job ID : 19071534

Date: 7/31/2019

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicatc	SDL	Sample Detection Limit
MS	Matrix Spike	surr	Surrogate
MSD	Matrix Spike Duplicate	T	Time
MW	Molecular Weight	TNTC	Too numerous to count
J	Estimation. Below calibration range but above MDL		

Qualifier Definition

**LABORATORY TEST RESULTS**

Job ID : 19071534

Date 7/31/2019

Client Name: TCEQ

Attn: Jack Coleman

Project Name: W012407 / Reg. 12, PCA Code: 06312, Program: Water Quality

Client Sample ID: W012407-02

Job Sample ID: 19071534.02

Date Collected: 07/23/19

Sample Matrix Liquid

Time Collected: 15:35

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 2540D	Total Suspended Solids TSS	61.4	mg/L	2.00	5.00			07/24/19 12:10	CO
SM 4500NH3D	Ammonia as Nitrogen Ammonia as N	44.2	mg/L	5.00	0.500			07/26/19 09:12	SG
SM 5210B	Biochemical Oxygen Demand BOD	65.70	mg/L	1	2			07/24/19 06:30	YSK

**LABORATORY TEST RESULTS**

Job ID : 19071534

Date 7/31/2019

Client Name: TCEQ

Attn: Jack Coleman

Project Name: W012407 / Reg. 12, PCA Code: 06312, Program: Water Quality

Client Sample ID: W012407-04

Job Sample ID: 19071534.04

Date Collected: 07/23/19

Sample Matrix Liquid

Time Collected: 15:51

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SM 2540D	Total Suspended Solids								
	TSS	BRL	mg/L	1	2.50			07/24/19 12:10	CO
SM 1500NH3D	Ammonia as Nitrogen								
	Ammonia as N	BRL	mg/L	1	0.1			07/26/19 09:12	SG
SM 5210B	Biochemical Oxygen Demand								
	BOD	BRL	mg/L	1	2			07/24/19 06:30	YSK

QUALITY CONTROL CERTIFICATE



Job ID : 19071534

Date : 7/31/2019

Analysis : Ammonia as Nitrogen Method : SM 4500NH3D Reporting Units : mg/L

QC Batch ID : Qb19072611 Created Date : 07/26/19 Created By : Sgarcia

Samples in This QC Batch : 19071534.01,02,03,04

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Ammonia as N		BRL	mg/L	1	0.1	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ammonia as N	5.00	4.85	97	5.00	4.69	93.7	3.3	20	85-115	

QC Type: MS and MSD

QC Sample ID: 19071509.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Ammonia as N	BRL	5.00	5.06	101	5.00	4.95	99	2.1	17.9	85.2-121	

QUALITY CONTROL CERTIFICATE



Job ID : 19071534

Date : 7/31/2019

Analysis : Biochemical Oxygen Demand

Method : SM 5210B

Reporting Units : mg/L

QC Batch ID : Qb19072957 Created Date : 07/24/19

Created By : SKYanduru

Samples in This QC Batch : 19071534.01,02,03

Sample Preparation : PB19072942

Prep Method : SM 5210B

Prep Date : 07/24/19 06:30

Prep By : SKYanduru

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
BOD		BRL	mg/L	1	2	

QC Type: Duplicate

QC Sample ID: 19071531.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit	Qual
BOD	5235.00	5370.00	mg/L	2.6	20	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
BOD	200	200.00	100	200	195.00	97.5	2.5	20	83.8-114.2	

Refer to the Definition page for terms.



Sample Condition Checklist

A&B JobID : 19071534		Date Received : 07/24/2019		Time Received : 10:47AM	
Client Name : TCEQ					
Temperature : 4.1-0.5cf=3.6°C		Sample pH : <2 NH3			
Thermometer ID : 1707629		pH Paper ID : 72375			
	Check Points	Yes	No	N/A	
1.	Cooler seal present and signed.	X			
2.	Sample(s) in a cooler.	X			
3.	If yes, ice in cooler.	X			
4.	Sample(s) received with chain-of-custody.	X			
5.	C-O-C signed and dated.	X			
6.	Sample(s) received with signed sample custody seal.	X			
7.	Sample containers arrived intact. (If no comment).	X			
8.	Matrix Water Soil Liquid Sludge Solid Cassette Tube Bulk Badge Food Other : <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				
9.	Sample(s) were received in appropriate container(s).	X			
10.	Sample(s) were received with proper preservative	X			
11.	All samples were logged or labeled.	X			
12.	Sample ID labels match C-O-C ID's		X		
13.	Bottle count on C-O-C matches bottles found.	X			
14.	Sample volume is sufficient for analyses requested.	X			
15.	Samples were received within the hold time.	X			
16.	VOA vials completely filled.			X	
17.	Sample accepted.	X			
18.	Has client been contacted about sub-out			X	
Comments : Include actions taken to resolve discrepancies/problem: '012407-02' on 01A; Labeled by visual matrix in comparison to TSS bottles. -ANA 7-24-19.					

Received by : AArnett

Check in by/date : AArnett / 07/24/2019