Brazos River Authority Operators

Brazos River Authority		ww
EMPLOYEE	SSN	LICENSE
Bachus, Lee	501-70-8045	Α
Childress, Willie	450-06-5772	Α
Dickens, Tommy	463-86-7458	Α
Dillahunty, Earnest	453-74-3397	Α
Fincher, Kelsey	457-82-8587	Α
Lock, Randy	463-43-9896	Α
Moyer, Lance	457-41-1392	Α
Shumate, Robert	451-88-6527	Α
Smalley, Curtis	437-17-5416	Α
Vicent, Francisco	439-53-5249	Α
Bettge, Ray	466-17-0739	В
Brown, Terry	461-33-9729	В
Davis, Vince	287-56-5691	В
Dieterich, Terry	466-45-1026	В
	467-86-4310	В
Dyer, Terry	454-47-7565	В
Emami, Jay	459-08-5736	В
Fuller, Otto	463-96-2477	В
Garcia, Cruz	102-52-4436	В
Heaps, John	455-77-7483	В
Holle, Nathan	464-98-7819	<u>B</u>
Horn, Ricky	461-47-0442	В
Jupe, Mike	367-48-8887	<u>В</u>
Landis, Orson	460-31-4153	В
Leuschner, Dion	451-19-4661	<u>В</u>
Leuschner, Lamar		B
Loecken, Richard	459-92-4608	В
Maiovets, Donald	462-43-4159	В
Ondrej, Larry	449-37-6288	В
Pustejovsky, Steve	455-63-6024	В
Simmons, George	459-60-7118	В
Smith, Bart	456-55-1941	
Spivey, Charles	452-74-6872	B
Spraggins, Billy	428-27-3130	<u>B</u>
Spriggins, Will	465-88-9751	В
Warren, Johnny	461-37-6815	<u>B</u>
Watson, Ron	451-04-3064	
Adams, Andy	455-66-4736	C
Lenart, John	465-82-9578	
McKissack, Mike	456-82-2225	
Sutton, Lonnie	457-96-9480	
Zierke, Tim	389-44-2222	
Campbell, Joe	467-52-1747	
Schnieder, Linda	454-49-3414	D

Attachment B

The Wastewater Services Agreement will be submitted to TCEQ as soon as it is executed by all parties.

Attachment C

LAW OFFICES of KERRY RUSSELL

Attorneys at Law 120 West Eighth Street Georgetown, Texas 78626

Phone (512) 930-1317

E-mail kerryrussell@usa net

Fax (512) 864-7744

September 5, 2002

Mr. Phil Ford General Manager Brazos River Authority P.O. Box 7555 Waco, Texas 76714-7555

Mr. Joe Beal, P.E. General Manager Lower Colorado River Authority P.O. Box 220 Austin, Texas 78767-0220

Re: Liberty Hill Regional Sewer System

Gentlemen:

The Liberty Hill City Council has reviewed the recently completed Liberty Hill Regional Wastewater Study. Based on the information presented in the Study, the Council has requested that the Brazos-Colorado River Alliance move forward with implementation of the project as quickly as possible. A copy of the Council resolution is enclosed.

While there are a number of specific details yet to be determined, it is the City's understanding that design and permitting of the wastewater treatment plant can begin immediately. The City wishes to remain involved in the location, design and permitting of the WWTP even though this will be a developer financed activity.

With regard to the City collection system, the City is in the process of reviewing financing options. At this point it appears that LCRA based financing will be the best option, but the City remains open to suggestions from the Alliance regarding the most cost effective financing option for the citizens of Liberty Hill. As part of this cost analysis, the City requests that the Alliance consider the possibility of the collection system within the City being owned and operated by the Alliance. The City is actively seeking additional participants in the system to lower the overall cost to all and will keep your staff updated on progress in this regard.

Since both Liberty Hill Water Supply Corporation and Chisholm Trail Special Utility District provide water service to the prospective sewer service area, the City suggests that the

Mr. Phil Ford Mr. Joe Beal September 5, 2002 Page 2 of 2

Alliance obtain a sewer service certificate of convenience and necessity for the entire regional sewer system service area. Actual billing details can be determined at a later date.

The City would like for its representatives to meet with you at your convenience to discuss implementation details.

On behalf of all of the Study participants, the City wishes to express its gratitude to each of you and your respective staff members for making this Alliance project possible. This project is a solid example of how regional planning should work in providing a sorely needed public service infrastructure for a rapidly growing area in Williamson County. The City looks forward to continued Alliance support for water and wastewater projects in western Williamson County.

Sincerely

Kerry É. Russell

cc: Mayor Bob McEachern

Councilman Charles Canady

Councilman Gary Spivey

Senator Steve Ogden

Representative Mike Krusee

Mr. Dan Gattis

Judge John Doerfler

Commissioner Greg Boatright

Mr. Jim Mills

Mr. Randy Grimes

Mr. John Baker

Mr. David Collingsworth

Mr. Jim Clarno

Ms. Susan Keller

RESOLUTION NO. 02-R-10

A RESOLUTION OF THE LIBERTY HILL, TEXAS APPROVING THE IMPLEMENTATION OF THE SEWER FEASIBILITY STUDY; PROVIDING FOR SEVERABILITY; AND ESTABLISHING AN EFFECTIVE DATE.

WHEREAS, the City of Liberty Hill, Texas ("City") participated in a sewer feasibility study along with the Lower Colorado River Authority, Brazos River Authority, and others; and

WHEREAS, the City seeks to implement the sewer feasibility study.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF LIBERTY HILL, TEXAS:

SECTION 1. The recitals contained in the preamble of this Resolution are determined to be true and correct and are hereby adopted as a part of this Resolution.

SECTION 2. The City Attorney and special counsel, Kerry E. Russell, are hereby authorized to take steps to seek implementation of the sewer feasibility study.

SECTION 3. It is hereby declared that the sections, paragraphs, sentences, clauses, and phrases of this Resolution are severable and, if any phrase, clause, sentence, paragraph, or section of this Resolution shall be declared unconstitutional or invalid by the valid judgment or decree of any court of competent jurisdiction, such unconstitutionality or invalidity shall not affect any of the remaining phrases, clauses, sentences, paragraphs, or sections of this Resolution, because the same would have been enacted by the City Council without the incorporation of any such unconstitutional phrase, clause, sentence, paragraph, or section.

SECTION 4. All resolutions and parts thereof in conflict herewith are hereby expressly repealed insofar as they conflict herewith.

SECTION 5. This Resolution shall take effect immediately after passage hereof.

Signed this 26th day of August, 2002.

BOB McEACHERN, Mayo

ATTEST:

KATHY CLARK, City Secretary

Attachment D

WASTEWATER PERMIT NUMBERS **BRAZOS RIVER AUTHORITY**

T-BRSS WMARSS Hutto Waste Discharge Permit #10264-001

Clute Brushy Creek - West Brushy Creek - East Sugarland

Dime Box

Waste Discharge Permit #11071-001 TPDES Permit #TX0025577 - 11324-001 Waste Discharge Permit #11318-001

Waste Discharge Permit #11317-001 Waste Discharge Permit #10264-002

TPDES Permit #12007-001 TPDES Permit #10044-001

Previous NPDES Permit #58378
Previous NPDES Permit #TX0026506

Previous NPDES Permit #75167
Previous NPDES Permit #101940 Previous NPDES Permit #58114

Robert J. Huston, Chairman R. B. "Ralph" Marquez, Commissioner Kathleen Hartnett White, Commissioner Margaret Hoffman, Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALIT

Protecting Texas by Reducing and Preventing Pollution

June 25, 2003

Mr. Curtis Smalley, Regional Superintendent Brazos River Authority Central Basin 2405 East 6th Street Belton, Texas 76513

Re:

Comprehensive Compliance Investigation (CCI) at the City of Hutto WWTP

Regulated Entity No. RN103118949 TCEQ ID No. WQ00011324-001

Dear Mr. Smalley:

On May 12 and 13, 2003, Investigator Patrick Marcyniuk of the Texas Commission on Environmental Quality (TCEQ) Austin Region Office conducted an investigation of the above-referenced facility to evaluate compliance with applicable requirements for wastewater treatment. No violations were documented during the investigation.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Mr. Patrick Marcyniuk at 512-339-2929 in the Austin Region Office.

Sincerely.

Carolyn Runyon Water Section Manager Austin Region Office

CDR/pkm

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Robert'J. Huston, Chairman
R. B. "Ralph" Marquez, Commissioner
Kathleen Hartnett White, Commissioner
Jeffrey A. Saitas, Executive Director



TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

April 11, 2002

Mr. Curtis Smalley, Regional Superintendent, Central Basin Region Brazos River Authority and Lower Colorado River Authority 2405 East 6th. St. Belton, Texas 76513



Re:

Comprehensive Compliance Investigation (CCI) at:

Brushy Creek Regional Wastewater Treatment Plant (WWTP), West Plant, 1116 E. Austin Ave.,

Round Rock (Williamson County), Texas TNRCC ID No.: WQ0010264-001

EPA ID No.: TX0075167

Dear Mr. Smalley:

On February 14, 2002, Mr. Herschel Janus of the Texas Natural Resource Conservation Commission (TNRCC) Austin Region Office conducted an investigation of the above-referenced operations to evaluate compliance with applicable requirements for wastewater treatment. No violations were documented during the investigation.

The TNRCC appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Mr. Herschel Janus in the Austin Region Office at (512) 339-2929.

Sincerely,

Water Section Manager

Austin Region Office

WJY/hej

cc: Francisco Vicent, Operator, BRA/LCRA

REPLY To: REGION 11 • 1921 CEDAR BEND DR., STE. 150 • AUSTIN, TEXAS 78758-5336 • 512/339-2929 • FAX 512/339-3795

Robert J. Huston, Chairman R. B. "Ralph" Marquez, Commissioner Kathleen Hartnett White, Commissioner Jeffrey A. Saitas, Executive Director



TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

April 11, 2002

Mr. Curtis Smalley, Regional Superintendent, Central Basin Region Brazos River Authority and Lower Colorado River Authority 2405 East 6th. St. Belton, Texas 76513



Re:

Comprehensive Compliance Investigation (CCI) at:

Brushy Creek Regional Wastewater Treatment Plant (WWTP), East Plant, 3939 Palm Valley Blvd.

۶

Round Rock (Williamson County), Texas

TNRCC ID No.: WQ0010264-002

EPA ID No.: TX0101940

Dear Mr. Smalley:

On February 14, 2002, Mr. Herschel Janus of the Texas Natural Resource Conservation Commission (TNRCC) Austin Region Office conducted an investigation of the above-referenced operations to evaluate compliance with applicable requirements for wastewater treatment. No violations were documented during the investigation. An area of concern was identified and is included with this letter. No further response is required in regards to this investigation.

The TNRCC appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Mr. Herschel Janus in the Austin Region Office at (512) 339-2929.

Sincerely.

Wm. John Young

Water Section Manager Austin Region Office

WJY/hej

cc: Francisco Vicent, Operator, BRA/LCRA

Summary of Investigation Findings

BRA-LCRA-BRUSHY CREEK EAST 3939 PALM VALLEY BLVD ROUND ROCK, WILLIAMSON COUNTY, TX 78664

Additional ID(s): WQ0010264002

TX0010264002 0101940

Investigation # 436 Date: 02/14/2002

Tra		

Alleged Violation:

Recommended Corrective Action:

Resolution:

AREAS OF CONCERN

Description

Additional Comments

1. Is the regulated entity compliant with flow limits?

Records indicated the plant has exceeded the 75% rule. Mr. Smalley has provided some explanation on the manner in which the issue will be addressed. Essentially, they may bring the West Plant back on line which will increase capacity by approximately 3 MGD for a total of 14.8 MGD. Currently, they are averaging up to 9.83 MGD.

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Robert J. Huston, Chairman R. B. "Ralph" Marquez, Commissioner Kathleen Hartnett White, Commissioner Margaret Hoffman, Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 4, 2003

CERTIFIED MAIL # 7002 2030 0003 4749 0030 RETURN RECEIPT REQUESTED

Susan Morgan, Lower Basin Manager Brazos River Authority Post Office Box 7555 Waco, Texas 76714

Re:

Notice of Violation for the Comprehensive Compliance Investigation at: Brazos River Authority, Sugar Land Regional Wastewater Treatment Plant, 16450 Southwest Freeway, Sugar Land (Fort Bend County) Texas TCEQ Permit No. 11317-001; EPA ID No. TX0058114

Dear Ms. Morgan:

On May 7, 2003, Mr. Nwachukwu Sam Okonkwo of the Texas Commission on Environmental Quality (TC:EQ) Houston Region Office conducted an investigation of the above-referenced Facility to evaluate compliance with applicable requirements for Water Quality. Enclosed is a summary which lists the investigation findings. During the investigation, some concerns were noted which were alleged noncompliances that have been resolved through verbal notification and subsequent corrective action. In addition, certain outstanding alleged violations were identified for which compliance documentation is required. Please submit to this office by July 7, 2003, a written description of corrective action taken and the required documentation demonstrating that compliance has been achieved for each of the outstanding alleged violations.

The Texas Commission on Environmental Quality appreciates your assistance in this matter. Please note that the Legislature has granted TCEQ enforcement powers which we may exercise to ensure compliance with environmental regulatory requirements. Self-reported violations may be subject to enforcement, including penalties, upon review by the Enforcement Division. We anticipate that you will resolve the alleged violations as required in order to protect the State's environment. If you have additional information that we are unaware of, you have the opportunity to contest the violation(s) documented in this notice. Should you choose to do so, you must notify Houston Region Office within 10 days from the date of this letter. At that time, Mr. John R. Ward, Team Leader, will schedule a violation review meeting to be conducted within 21 days from the date of this letter. However, please be advised that if you decide to participate in the violation review process, the TCEQ may still require you to adhere to the compliance schedule included in the attached Summary of Investigation Findings until an official decision is made regarding the status of any or all of the contested violations.

REPLY TO: RECION 12 • 5425 POLK AVE., STE. H • HOUSTON, TEXAS 77023-1486 • 713/767-3500 • FAX 713/767-3520

Susan Morgan, Lower Basin Manager June 4, 2003 Page 2

If you or members of your staff have any questions, please feel free to contact Mr. Nwachukwu Sam Okonkwo in the Houston Region Office at 713-767-3692.

Sincerely,

John R. Ward Team Leader

Water Quality Management

Houston Region Office

JRW/NSO/Inp

cc: Kenneth Gutowsky, System Superintendent, Sugar Land Regional Plant

16450 Southwest Freeway, Sugar Land, Texas 77479-2360

Enclosures: Summary of Investigation Findings

Summary of Investigation Findings

SUGAR LAND REGIONAL PLANT

Investigation # 36155

16451 SOUTHWEST FWY

111463

investigation Date: 05/06/2003

SUGAR LAND, FORT BEND COUNTY, TX 77479

Additional ID(s): WQ0011317001 TPDES0058114

OUTSTANDING ALLEGED VIOLATIONS

Truck No: 45413

Compliance Due Date: 7/7/03

30 TAC Chapter 305.535(c)(1)

Alleged Violation: Investigation: 36155

Comment Date: 06/02/2003

Failure to prevent the unauthorized discharge of wastewater from the collection system. Thirteen unauthorized discharges were reported to the TCEQ Regional Office from January 2002 to May 2003 from the wastewater treatment plant and its collection system. All of these were due to blockages or mechanical failures in the collection system. See attached documentation. Sanitary sewer overflows from the collection system are not authorized. While it may not be possible to preclude all sanitary sewer overflows resulting from acts of vandalism or unavoidable system failures, permittees are expected to prevent all other dry weather sanitary sewer overflows. Permittees are required to develop and implement a preventive maintenance program which prevents dry weather overflows. Summary of the SSOs is listed below:

DATE LOCATION GALS CAUSE SYSTEM

01/14/02 36 Crestwood 40 Grease blockage Storm sewer

01/18/02 Woodchester @ Ashwood 60 Line blockage Storm sewer

02/06/02 Sugar Creek Country Club 15 Grease blockage Storm sewer

03/01/02 218 Oyster Creek 8400 Shattered pipe Ground 03/05/02 13442 Greenway 200 Grease blockage Ground

04/08/02 2030 Country Club 15000 Flash Flooding Oyster Creek

04/08/02 Woodchester @ Ashwood 3000 Excessive rain Storm sewer

05/01/02 1423 Hitherfield 5 Dropped sewer tap Storm sewer

06/04/02 Cottection Line @ Manhole 50 Obstruction Storm sewer

08/02/02 WWTP site 9800 Broken pipe Ground

08/06/02 1210 Ashwood 30 Grease blockage Storm sewer

10/29/02 Collection line 40 Rainfall

05/10/03 16450 Freeway WWTP site 9800 Line breakage Ground

Recommended Corrective Action: Submit to this office steps that have been and will be taken to prevent overflows from recurring and a schedule for those steps. This should include a comprehensive program to evaluate the condition of the sanitary sewer system, locate the SSO's and their causes, determine the method of system rehabilitation and improvement and develop a design and construction program which will achieve compliance with the permit.

ALLEGED VIOLATIONS NOTED AND RESOLVED

Track No: 45419

30 TAC Chapter 319.11(c)

P. 05

SUCIAR LAND REGIONAL PLANT

_estigation # 36155

Alleged Violation: Investigation: 36155

Comment Date: 06/02/2003

Failure to provide accurate flow measurements. The effluent head measurement was not taken at the proper location. The staff gauge was located too close to flow channel (less than 3 times the maximum expected head measurement). According to the Water Measurement Manual, Chapter 5, Section 11 (a), the preferred location to measure the flow head is "...three to four times the measuring head upstream from the center of the weir blade." The flow measurements, equipment, installation, and procedures shall conform to those prescribed in the Water Measurement Manual.

Recommended Corrective Action: The permittee shall provide documentation that the effluent head measurement is taken at the proper location.

Resolution: The permittee relocated the staff gauge as prescribed. See attached photo documentation.

Track No: 45420

30 TAC Chapter 319.7(a) 30 TAC Chapter 319.7(c)

Alleged Violation: Investigation: 36155

Comment Date: 06/02/2003

Failure to correctly perform chlorine analysis. At the time of the inspection the chlorine residual analysis was being performed onsite without proper procedure for oxidized manganese (MnOx) correction. The operator was not using potassium iodide (KI) while performing MNOx analysis. The proper procedure was explained to the operator.

Recommended Corrective Action: Plesae submit to this operator a revised standard operating procedure (SOP) to include the use of KI.

Resolution: The permittee has revised the SOP to include KI for MNOx analysis. See attached compliance documentation.

STOCKE STOCKE	AAAA L		2000	0.10	0/10/2000	TOTO OUT I LAKE (ALAKEL)	1000
	WAY TO		0000	2	77403000	14347 DOLLARARO CINI EDINIV (MINITO)	1227 001
	MANHOLE	RAIN	40	0:30	10/29/2002	1317-001 COLLECTION LINE	11317-00
STORM SEWER	MANHOLE	GREASE	30	0:50	Z007/9/8	1317-001 1210 ASHWOOD	11317-00
GROUND	ייייייייייייייייייייייייייייייייייייי		8000	9 6	2002/2/07	AAAA 12	101/40
				• (053000	SOLUTION OF THE PROPERTY OF TH	100
STORM SEWER	MAINCINT	OBSTRUCTION	50	0:35	6/4/2002	1317-001 COLLECTION LINE @ MANHOLE 6/4/200	11317-001
STORM SEWER	MANHOLE	DROPPED SEWER TAP	Ċ		5/1/2002	1423 HITHERFIELD	11317-001
STORM SEWER	MANHOLE	EXCESSIVE RAIN	3000	73	4/8/2002	1317-001 WOODCHESTER & ASHWOOD	11317-001
OYSTER CREEK	MANHOLE	FLASH FLOODING	15000	2:30	4/8/2002	11317-001 2030 COUNTRY CLUB	11317-001
GROUND	CLEANOUT	GREASE	200	7:45	3/5/2002	13442 GREENWAY	11317-001
GROUND	LIFT STATION	SHATTERED PIPE	8400	1:30	3/1/2002	1317-001 218 OYSTER CREEK	11317-001
STORM SEWER	MANHOLE	GREASE BLOCKAGE	151	0:30	2/6/2002	1317-001 SUGAR CREEK COUNTRY CLUB 2/6/2002	11317-001
STORM SEWER	MANHOLE	LINE BLOCKAGE	60		1/18/2002	1317-001 WOODCHESTER @ ASHWOOD	11317-001
STORM SEWER	MANHOLE	GREASE BLOCKAGE	40	0:45	1/14/2002		11317-001
Receiving Stream	Collection System	Cause	Gallons	Hours	Date	Location	Permit #



Texas Commission on Environmental Quality

Investigation Report

BRAZOS RIVER AUTHORITY

SUGAR LAND REGIONAL PLANT

RN102097078

Investigation #38155

incident #

Investigator: NWACHUKWU OKONKWO

Site Classification

DOMESTIC MAJOR

Conducted:

05/06/2003 -- 05/06/2003

SIC Code: 4952

Program(s):

WASTEWATER

Investigation Type: Compliance Investigation

OF SUGAR LAND

Additional ID(s):

WQ0011317001 TPDES0058114

Address: 16451 SOUTHWEST FWY; SUGAR LAND, TX 77479

Activity Type:

WW CCI Mandatory Major - Comprehensive

Location: BELT RD & US HWY 59 2 MI S

compliance investigation

Principal(s):

Role

Name

RESPONDENT

BRAZOS RIVER AUTHORITY

Contact(s):

Role Regulated Entity Mail Contact Regulated Entity Contact

Title REGIONAL MANAGER, LOWER BASIN SYSTEMS

MORGAN MR KENNETH **GUTOWSKY** SUPERINTENDENT

Phone Name MS SUSAN Fax

(254) 761-3125 Work Cell (832) 256-5991 Work (281) 980-2183 Fax (281) 494-2410

Participated in Investigation

ASSISTANT SYSTEM TECHNICIAN II

CRAIG SCHNEIDER

Participated in Investigation Participated in Investigation

SYSTEM TECHNICIAN II SYSTEMS SUPERINTENDENT CHIEF OPERATOR "A"

CHIEF OPERATOR "A"

RANDY BAKER MR KENNETH **GUTOWSKY**

Participated in Investigation Notified

THOMAS RAMIREZ THOMAS RAMIREZ

Work (281) 980-2183 (281) 494-2410 Fax

(254) 761-3204

Other Staff Member(s): Role

Name

SUPERVISOR **QA REVIEWER**

JOHN WARD **RUSTY EVELO**

Associated Check List

Checklist Name

Unit Name

WQ INVESTIGATION TYPES WO GENERAL CCI CHECKLIST **QUALITY REVIEW - WATER**

11317001act 11317001gen 11317001gar

SUGAR LAND REGIONAL PLANT -5/6/03 Page 2 of 4

Investigation Comments:

Brazos River Authority, Sugar Land Regional wastewater treatment facility, located at 16450 Southwest Freeway is a 6.0 MGD activated sludge plant operated in the extended aeration mode. The treatment system includes a lift station with four lift pumps, mechanical and manual bar screens, two aeration basins with four mechanical aerators in each basin, two clariflers and two storm water clariflers, two digesters and a chlorine contact and de-chlorination basin. Disinfection at the facility is achieved with chlorine gas and de-chlorinated with sulfur dloxide.

In addition to the domestic wastewater, there are about eight significantly industrial users (SIUs) that discharges into the collection system of this facility, namely: Imperial Sugar which discharges high strength BOD, National Oilwell Inc., Crown Beverage Packaging, KW Industries, Texas Precision Metalcraft, Schlumberger Conveyance and Delivery, Suntron, and Ondeo Nalco Chemicals. Ferrous sulfate is introduced in the Burney offsite lift stations (the most further away from the plant) for odor control. Hydrogen sulfide is polished off by running the vacuumed gas from the onsite lift station through a bio-filter prior to release.

Imperial Sugar, the major industrial user discharging to the facility closed production in the late 2002. In December 2002, the sodium hydroxide tank was taken down. This was previously used for pH adjustment for waste from Imperial Sugar. With the terror alert since September 11, 2001, the two one ton chlorine cylinders that was being used for clarifier weirs chlorination for algae control were moved a central in-house storage facility.

ALLEGED NONCOMPLIANCES NOTED AND RESOLVED

Track No: 45419 Resolution Date: 6/2/03

30 TAC Chapter 319.11(c)

Alleged Violation: Investigation: 36155

Comment Date: 06/02/2003

Failure to provide accurate flow measurements. The effluent head measurement was not taken at the proper location. The staff gauge was located too close to flow channel (less than 3 times the maximum expected head measurement). According to the Water Measurement Manual, Chapter 5, Section 11 (a), the preferred location to measure the flow head is "...three to four times the measuring head upstream from the center of the weir blade." The flow measurements, equipment, installation, and procedures shall conform to those prescribed in the Water Measurement Manual.

Recommended Corrective Action: The permittee shall provide documentation that the effluent head measurement is taken at the proper location.

Resolution: The permittee relocated the staff gauge as prescribed. See attached photo documentation.

Track No: 45420 Resolution Date: 6/2/03

30 TAC Chapter 319.7(a) 30 TAC Chapter 319.7(c)

Alleged Violation: Investigation: 36155

Comment Date: 06/02/2003

Fallure to correctly perform chlorine analysis. At the time of the inspection the chlorine residual analysis was being performed onsite without proper procedure for oxidized manganese (MnOx) correction. The operator was not using potassium iodide (KI) while performing MNOx analysis. The proper procedure was explained to the operator.

Recommended Corrective Action: Plesae submit to this operator a revised standard operating procedure (SOP) to include the use of KI.

Resolution: The permittee has revised the SOP to include KI for MNOx analysis. See

SUGAR LAND REGIONAL PLANT . 5/6/03

Page 3 of 4

attached compliance documentation.

OUTSTANDING ALLEGED VIOLATIONS

Track No: 45413

Compliance Due Date: 7/7/03

30 TAC Chapter 305.535(c)(1)

Alleged Violation: Investigation: 36155

Comment Date: 06/02/2003

Fallure to prevent the unauthorized discharge of wastewater from the collection system. Thirteen unauthorized discharges were reported to the TCEQ Regional Office from January 2002 to May 2003 from the wastewater treatment plant and its collection system. All of these were due to blockages or mechanical failures in the collection system. See attached documentation. Sanitary sewer overflows from the collection system are not authorized. While it may not be possible to preclude all sanitary sewer overflows resulting from acts of vandalism or unavoidable system failures, permittees are expected to prevent all other dry weather sanitary sewer overflows. Permittees are required to develop and implement a preventive maintenance program which prevents dry weather overflows. Summary of the SSOs is listed below:

DATE LOCATION GALS CAUSE SYSTEM

01/14/02 38 Crestwood 40 Grease blockage Storm sewer 01/18/02 Woodchester @ Ashwood 60 Line blockage Storm sewer 02/06/02 Sugar Creek Country Club 15 Grease blockage Storm sewer 03/01/02 218 Oyster Creek 8400 Shattered pipe Ground 03/05/02 13442 Greenway 200 Grease blockage Ground 04/08/02 2030 Country Club 15000 Flash Flooding Oyster Creek 04/08/02 Woodchester @ Ashwood 3000 Excessive rain Storm sewer 05/01/02 1423 Hitherfield 5 Dropped sewer tap Storm sewer 06/04/02 Collection Line @ Manhole 50 Obstruction Storm sewer 08/02/02 WWTP site 9800 Broken pipe Ground 08/06/02 1210 Ashwood 30 Grease blockage Storm sewer 10/29/02 Collection line 40 Rainfall 05/10/03 16450 Freeway WWTP site 9800 Line breakage Ground

Recommended Corrective Action: Submit to this office steps that have been and will be taken to prevent overflows from recurring and a schedule for those steps. This should include a comprehensive program to evaluate the condition of the sanitary sewer system, locate the SSO's and their causes, determine the method of system rehabilitation and improvement and develop a design and construction program which will achieve compliance with the permit.

Resolution:

SUGAR LAND REGIONAL ANT - 5/6/03 Page 4 of 4	
Signed Frachukmi Sam Haulows Environmental Investigator	Date 06/02/2003
Signed Supervisor	Date <u>6-4-03</u>
Attachments: (in order of final report submittal)Enforcement Action Request (EAR)Letter to Facility (specify type): Investigation ReportSample Analysis ResultsManifestsNOR	Maps, Plans, SketchesPhotographsCorrespondence from the facilityOther (specify):

Texas Commission on Environmental Quality

WQ GENERAL CCI CHECKLIST Checklist

Unit Name: 11317001gen

investigation #:36155

Facility Name: SUGAR LAND REGIONAL PLANT

County : FORT BEND

TCEQ Investigator: NWACHUKWU OKONKWO

item No.	Description	Answer	Comments	Due Date
	PERMIT VERIFICATION			+===
1	Is the correct name on the permit? (If no, list the correct name)	YES		
2	If no, has a name change or permit transfer request been submitted?	NOT APPLICABLE		
3	Is the current mailing address the same as listed on the permit?	YES		
4	If no, has a change of address been submitted?	NOT APPLICABLE		+==
-	OVERALL FACILITY/TREATMENT SYSTEM			
5	List facility type, size, units and/or attach schematic(s). If land disposal, include description of disposal method and include land application checklist.	6 0 MGD ACTIVATED SLUDGE FACILITY	This a 6.0 MGD activated sludge facility operated in the extended aeration mode. See the attached schematic.	
6	If the permit has interim and final limits, indicate phase in effect.			
7	Describe any plant modifications and or collection system upgrades since the last comprehensive compliance investigation.	NOT APPLICABLE		
8	Are housek apping practices adequate?	COMPLIANT		
9	Have unauthorized discharges occurred at the plant or in the collection system since the last CCI?	NON COMPLIANT	Thirteen unauthorized discharges were reported to the TCEQ Regional Office from January 2002 to May 2003 from the wastewater treatment plant and its collection system.	07/07/2003
	Citation: 30 TAC Chapter 305, SubChapter O		The Generality of Goth.	L
	305,536(c)(1)[G]			
0	If yes, has the TNRCC been notified, as required?	COMPLIANT		
1	Has adequate corrective action been taken to prevent additional urauthorized discharges?	COMPLIANT		
	INVESTIGATION SAMPLE RESULTS			
2	List the outfall(s) and their sources of wastewater.	DOMESTIC & INDUSTRIAL		
3	Was the regulated entity discharging at the time of the investigation?	YES		
4	Were effluent samples collected? (attach sample results table and laboratory report)	YES		
5	Was the regulated entity compliant with the permit limits?	COMPLIANT	NH3-N 1.11 mg/l CBOD <3.0 mg/l pH 6.94 s.u. Cl2 1.75 mg/l deCl2 0.01 mg/l DO 5.9 mg/l	

	RECEIVING WATER			
16	List name and type of receiving water (Ditch, creek, playa, river tidal stream, bay, wetland/marsh, or other)	BULLHEAB BAYOU, FORT BEND COUNTY DRAINAGE DITCH, BRAZOS RIVER	Bullhead Bayou; thence to Fort Bend County Drainage Ditch A; thence to Fort Bend County Drainage Ditch H; thence to the Brazos River Below Navasota River in Segment No. 1202 of the Brazos River Basin.	
17	Was the re-zeiving water observed? If no, provide an explanation. If a land disposal facility, see "Use of Reclaimed Water" checklist.	YEŞ		
18	if yes, describe the effluent and receiving water at the time of the investigation. Identify such conditions as foaming, floating materials, sludge deposits, or color and turbidity. Include the presence or absence of fisl and other aquatic life.		The receiving stream was clear and free of any foam or floating solids. At least three species of fish (alligator gars, blue gill perch and minnows) were noted in the receiving stream.	
19	Comment on flow conditions in the receiving water.	COMPLIANT	Flow was normal.	1 =
	FLOW MEASUREMENT			T
20	Does the regulated entity accurately measure the flow according to the permit requirement?	COMPLIANT		
21	Is the flow estimated? If yes, state how it is estimated in the comment section.	COMPLIANT		
22	Are the primary flow measuring device(s) (wiers and flumes) properly installed and maintained?	COMPLIANT		
23	List type(s) of device(s):	4'-00" RECTANGULAR WEIR		
4	is the head measured at the proper location?	COMPLIANT	The effluent head measurement was not taken at the	05/21/2003
	Citation: 30 TAC Chapter 319, SubChapter A 319.11(c)		proper location.	<u> </u>
5	Are the secondary flow measuring device(s) (totalizers, recorders, and meters) properly operated and maintained?	COMPLIANT		
5	List type(s) of device(s)	MILLTRONICS OCM		
,	Are the secondary flow measuring devices calibrated annually or more frequently, if needed?	COMPLIANT		
<u> </u>	List date of lest calibration and the person and/or company that performed the calibration.	JANUARY 23, 2003	Omega Systems, Inc.	
	is the percent error between the recorded flow and the calculated flow with in 10%.	COMPLIANT	1.95%	
	is the flow measuring equipment adequate to handle the entire flow range?	COMPLIANT		
	is the regulated entity compliant with flow limits?	COMPLIANT		
	Is the regulated entity compliant with the self-monitored effluent limitations?	COMPLIANT		
	Are samples collected at the location(s) specified in the permit?	COMPLIANT		
	Are the correct type of samples collected (grab or composite)?	COMPLIANT		
	required by this permit?	COMPLIANT		
	parameters specified in the permit?	COMPLIANT		
	Are sampling and analyses performed at the frequency specified in the permit?	COMPLIANT		

	·		<u></u> .	
38	Are the proper sampling procedures and containers used?	COMPLIANT		T
39	Are the samples preserved and stored properly?	COMPLIANT		+==
40	Are the samples analyzed within the holding times?	COMPLIANT		+==
	RECORD KEEPING AND REPORTING			+
41	Were the required records maintained and available for review during the investigation?	COMPLIANT		
42	Are adequate sampling records maintained (date, time, location, person, etc)?	COMPLIANT		
43	Are chain of custody tags completed properly and maintained?	COMPLIANT		
44	Are operations and maintenance records maintained	? COMPLIANT		
45	Are process control records records maintained?	COMPLIANT		十一
46	Are the analytical results consistent with data reported on the DMRs and MERs?	COMPLIANT		
47	Are effluent loadings calculated correctly?	COMPLIANT		
48	Are monthly effluent reports or discharge monitoring reports completed accurately and are copies maintained?	COMPLIANT		
49	Is noncompliance notification submitted as required by the pennit?	COMPLIANT		
	LABORATORY PROCEDURES/ QA/QC RECORDS			
50	is the laboratory in-house or contract? List the commercial laboratories used:	IN-HOUSE		
51	Is the pH nieter calibrated correctly and are adequate records maintained?	COMPLIANT		
2	Is the D. O. mater calibrated correctly and are adequate records maintained?	COMPLIANT		
3	is the chlorine residual analyzed correctly and are adequate records maintained?	COMPLIANT	At the time of the inspection the chlorine residual analysis was being performed onsite without proper procedure for oxidized manganese (MnOx) correction.	
	Citation: 30 TAC Chapter 319, SubChapter A 319.7(a)[G] 319.7(c)			
\$	is the chlorine meter calibrated correctly and are adequate records maintained?	COMPLIANT		
	Are calibration and maintenance records adequate for any laboratory equipment used?	COMPLIANT		
	Are temperature logs maintained for sample storage refrigerator and/or the composite sampler?	COMPLIANT		
=	Are the proper analytical methods and techniques used for the sample analyses?	COMPLIANT		
	Are adequate sample analyses records maintained (date, time, person, etc)?	COMPLIANT		
	Quarty Control procedures maintained?	COMPLIANT		
	SLUDGE DISPOSAL			
	ast investigation?	COMPLIANT		
	s sludge disposed only on property owned, leased, or under direct control of the permittee?	COMPLIANT		

62	If yes, is the property permitted or registered with the TNRCC?	COMPLIANT	
63	Is sludge analysis conducted for all the required parameters?	COMPLIANT	
64	Is the sluage tested at the required frequency?	COMPLIANT	
65	Are patho;sen controls met?	COMPLIANT	
66	Are vector attraction reduction requirements met?	COMPLIANT	
67	Was sludge observed in the receiving stream?	COMPLIANT	
68	Is sludge handled and disposed of properly?	COMPLIANT	
69	Are the annual sludge reports submitted, as required by the permit?	COMPLIANT	
70	Are adequate sludge disposal records maintained?	COMPLIANT	
	OTHER COMMENTS	NOT APPLICABLE	
71	Is the regulated entity compliant with the Other Permit Requirements?	COMPLIANT	
72	Were there any other violations/deficiencies noted? (If yes, please list each as an item in following questions)	NO	
73	ITEM 1	NOT APPLICABLE	
74	ITEM 2	NOT APPLICABLE	
'5	ITEM 3	NOT APPLICABLE	



TCEQ Laboratory Report of Analysis May 29, 2003 1:23PM

Page 3 of 3

TCEQ Sample #: 0302689

Group#: 20030845

Chain of Custody #: 011310-01

Region: 12

Program: Water Quality Monitoring

Organization#: 4212 Permit#: 11317-001

Work #: 25071

Sample Collected: 5/7/03 10:43 Sample Received: 05/08/03

Matrix: LIQUID

Sample Collected: NOKONKWO

Sample Deptu:

CL2R: 1.75

Field pH: 6.94

Conductivity:

Collection Site: Brazos River Authority-Sugar Land Regional WWTF-Grab

Constituent Name	Result	Unit	Prepared	Analyzed	Method	
Ammonia Nitrogen	1.11	mg/L	- ,	05/15/03 12:41	350.1	
CBOD (5-day)	<3	mg/L		05/09/03 7:45	5210 B	
pH	7.17	su		05/09/03 7:45	150.1	
Total Suspended Solids	3	mg/L		05/09/03 9:45	160.2	
Volatile Suspended Solids	3	mg/L		05/09/03 9:45	160.4	

End of Data for TCEQ Sample #: 0302689

Analysis Comments:

Date Written: 05/19/2003 09:05

Method: BODSC

Note Text: Seed Correction for CBOD analysis was 0.56 mg/L which is not within the acceptable range of 0.60 - 1.20 mg/L.

However, GGA Check Standards were acceptable.

Laboratory Approval:

May 29, 2003

TNRFYNL.mt

Slied Date: 27-Fe≥2003





Sugar Land Regional Sewerage System

May 16, 2003

Texas Commission on Environmental Quality 5425 Polk Avenue, Suite H Houston, Texas 77023-1428

RE: Brazos River Authority – Sugar Land Regional Sewerage System
TPDES Permit No. 11317-001
For TCEQ Office Use Only: EPA ID No. TX0058114

Dear Mr. Nwachukwu Sam Okonkwo, R.S. Environmental Investigator, Water Section:

May 7, 2003 you performed an annual facility inspection of the reference wastewater treatment plant. There are two areas you recommended we correct within 14 days of the inspection so that they will not become a part of our permanent record. Those items are...

- 1. Properly locate Effluent Staff Gauge upstream of the outfall in a less turbulent area for greater accuracy of flow measurement. You referenced the "ISCO Open Channel Flow Measurement Handbook" where it states "recommended three to four times the maximum head upstream from the weir" Enclosed you will find a photograph indicating that we have moved the staff gauge per your recommendation.
- Utilize Potassium Iodide (KI) when running the "Oxidized Manganese Correction Factor Test" for Chlorine Residual. Enclosed you will find a copy of the revised lab procedure for this test. A shipping slip from HACH COMPANY shows that the chemical was received. As of May 12, 2003, analysis for this test now incorporate the use of (KI).

RECEIVED
MAY 1 9 2003
REGION 12

2

Should you require additional information concerning our resolve to correct the two areas you recommended, please do not hesitate to contact me at (281) 980-2183 or e-mail kgutowsky@brazos.com.

Sincerely,

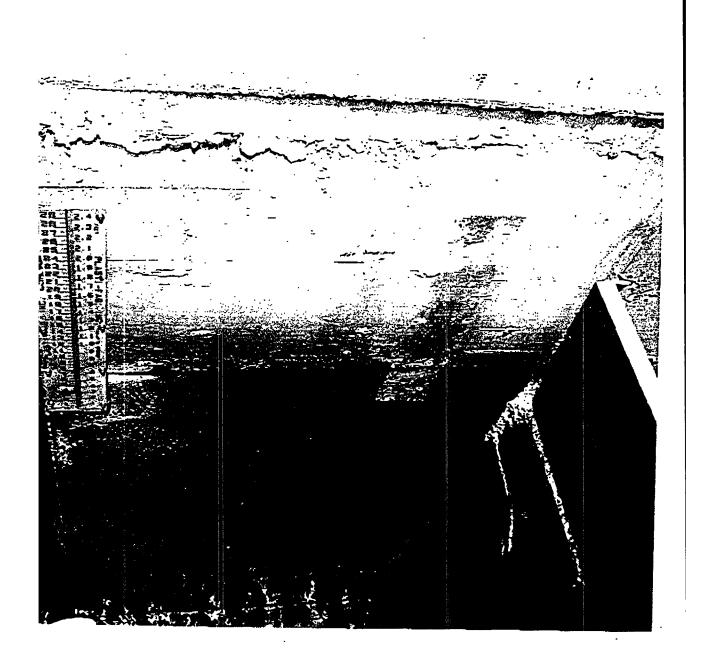
Kenneth W. Gutowsky - SLRSS Supt.

Enclosures: (3)

cc: w/enclosures: Susan L. Morgan, CPA, Brazos River Authority, Regional

Manager, Lower Basin

File



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MAY 1 9 2003
REGION 12

CHLORINE RESIDUAL CONTINUED

OXIDIEZED MANGANESE CORRECTION FACTOR TEST (DR/3000)

- 1. At peak flow, collect chlorinated and dechlorinated samples from outfall.
- 2. Get out matched HACH photocells and four TOTAL chlorine powder pillows.
- 3. Turn on HACH DR/3000.
- 4. Punch in (8) and (STORED PROGRAM) into keyboard.
- 5. Check to see if wavelength is the same as the figure on the LED readout.
- 5a. If it is set correctly, punch in (CLEAR)
- 5b. If it is not set correctly, turn dial till numbers match, then punch in (CLEAR).
- 6. Fill both cells with 25 ml of sample.
- 7. Add four (4) drops of POTASSIUM IODIDE to cells and wait one minute.
- 8. Add four (4) drops of SODIUM ARSENITE to cells and wait one minute.
- 9. Cut top off the powder pillow and pour into one of the cells.
- 10. Punch in (3) and (TIMER).
- 11. Wait.
- 12. When buzzer sounds, wipe both cells carefully with kimwipes.
- 13. Place blank cell in the cell holder in the DR/3000 then punch in (ZERO) and (CONCENTRATION).
- 14. Remove cell and replace with sample cell in cell holder.
- 15. Read concentration off of LED readout.
- 16. Record concentration on CHLORINE RESIDUAL SHEET.
- 17. Wash out cells and repeat steps 4 through 14 for duplicate test.
- 18. Sign and record flow.
- 19. Put up equipment.

P. 20 FAX NO. 7137673691 AUG-06-2003 WED 02:30 PM TNRCC BILL TO: VIG S. ZOS RIVER AUTHORITY 16450 SOUTH WEST FRWY TX 77478 SUGAR LAND HACH COMPANY BRAZOS RIVER AUTHORITY ACCTS PAYABLE PO BOX 7555 WACO TX 100 DAYTON AVE AMES IA 50010-0907 (800)227-4224" TX 76714-5555 WEIGHT POUNDS . KILOGRAMS . TOTAL PAC RDER NO. CUSTOMER PURCHASE ORDER CARRIER GROSS NC/RANDY CUSTOMER REFERENCE NO FED EX GROUND 2562504 CCOUNT NO. 5.90 13.00 1 - 00 WEIGHT TOTAL PIECES 088432 001 NET CUSTOMER REFERENCE NO 1 CARTON 12.00 5.44 WEIGHT 5/09/03 **DIMENSIONS** WEIGHTS DESCRIPTION L: D Н GROSS NET PIECE CATALOG PUANTITY INCH CM INCH CM INCH **POUNDS** POUNDS NO. KILOGRAMS KILOGRAMS CM 15 13.00 12.00 17 12 1 38 5.90 5.44 43 30 COD STD SOLN, 300MG/L 200ML COD DIGESTION VIAL, LR HW FK/150 POLYVINYL ALCOHOL DISPRSNG RGT 50ML MINERAL STABILIZER 50ML SCDB 1.000 1218629 1.000 2125815 2376525 2376625 1.000 1.000 3.000 POTASSIUM IODIDE SOLN, 100ML MBB 34332 __________ ============ AP FAX 8177725780 END OF CETAILS Received 5/12/03

Robert J. Huston, Chairman R. B. "Ralph" Marquez, Commissioner Kathleen Hartnett White, Commissioner Margaret Hoffman, Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

February 21, 2003

CERTIFIED MAIL #7002 2030 0003 4748 8082 RETURN RECEIPT REQUESTED

Honorable Jerry Adkins, Mayor City of Clute P.O. Box 997 Clute, TX 77531

Re:

Notice of Violation for the Comprehensive Compliance Investigation at:

Clute/Richwood Wastewater Treatment Facility, Clute (Brazoria County), Texas

TPDES ID No. 10044-001

Dear Mayor Adkins:

On January 21, 2003, Ms. Paula M. Wimberley of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted an investigation of the above-referenced facility to evaluate compliance with applicable requirements for wastewater treatment. Enclosed is a summary which lists the investigation findings. During the investigation, certain outstanding alleged violations were identified for which compliance documentation is required. Please submit to this office by April 21, 2003 a written compliance plan. A due date for submitting compliance documentation for outstanding alleged violations Track Nos. 10878 and 10872 will be determined after you provide a compliance plan for this alleged violation.

The Texas Natural Resource Conservation Commission appreciates your assistance in this matter. Please note that the Legislature has granted TNRCC enforcement powers which we may exercise to ensure compliance with environmental regulatory requirements. Self-reported violations may be subject to enforcement, including penalties, upon review by the Enforcement Division. We anticipate that you will resolve the alleged violations as required in order to protect the State's environment. If you have additional information that we are unaware of, you have the opportunity to contest the violations documented in this notice. Should you choose to do so, you must notify Houston Region Office within 10 days from the date of this letter. At that time, Mr. John R. Ward, Team Leader will schedule a violation review meeting to be conducted within 21 days from the date of this letter. However, please be advised that if you decide to participate in the violation review process, the TNRCC may still require you to adhere to the compliance schedule included in the attached Summary of Investigation Findings until an official decision is made regarding the status of any or all of the contested violations.

REPLY To: REGION 12 • 5425 POLK AVE., STE. H • HOUSTON, TEXAS 77023-1486 • 713/767-3500 • FAX 713/767-3520

Honorable Jerry Adkins Mayor, City of Clute Page 2 February 21, 2003

If you or members of your staff have any questions, please feel free to contact Ms. Paula M. Wimberley in the Houston Region Office at 713-422-8921.

Sincerely,

John R. Ward

Tean: Leader

Water Quality Management

Region 12 Houston

JRW/pmw/lb

cc: Mr. Robert Ray, Public Works Director, City of Clute, P.O. Box 997, Clute, TX 77531

Mr. Ken Gutowsky, Systems Superintendent, Brazos River Authority, 16450 Southwest Freeway, Sugar Land, TX 77479-2360

Enclosures: Summary of Investigation Findings

mary of investigation Findi

CITY OF CLUTE

Investigation # 24699

Date: 01/21/2003

. BRAZORIA COUNTY,

Additional ID(s): WQ0010044001

TPDES0034436

OUTSTANDING ALLEGED VIOLATIONS

Track No: 18078

Compliance Due Date: 4/21/03

30 TAC Chapter 305.125(1)

TPDES Permit No. 10044-001 Operational Requirements 1

Alleged Violation:

Investigation: 24699

Comment Date: 02/14/2003

Failure to repair or replace leaking air lines in the aeration basins, re-aeration basins, digester, and along the ground. This violation was noted during the last compliance inspection. The response to the last NOV was that \$15,000 was to be allocated for replacement of air piping above ground. During this investigation, Mr. Robert Ray, Public Works Director, said that they had recently received a much higher estimate for the remainder of the repairs. While it is important to note that the city is making progress to remedy this violation, a more definite time table for the work and completion of these repairs will now be required.

Recommended Corrective Action: Submit a plan with a timetable for completion of the repair and/or replacement of the leaking air lines at the wastewater treatment plant.

Resolution:

Track No: 18082

Compliance Due Date: 4/21/03

30 TAC Chapter 305.125(1)

TPDES Permit No. 10044-001

Effluent Limitations and Monitoring Requirements 1

Alleged Violation:

Investigation: 24699

Comment Date: 02/14/2003

Failure to prevent 2 hour peak flow exceedences by eliminating inflow and infiltration into the collection system. Two hour peak flows were exceeded during the months of January, August, September, October, November, and December, 2002. The city is currently working on correcting inflow and infiltration. Since this violation has been noted during the last two compliance inspections, a plan with timetable for completion.

Recommended Corrective Action: Submit a plan for eliminating Inflow and infiltration into the collection system, including a timetable for completion, and thus coming into compliance with the two hour peak flow requirement of TPDES permit number 10044-001.

Resolution:

WW GF*パ/604リー001/cの

Investigation Report

INFORMATION COPY

CITY OF CLUTE

CITY OF CLUTE

RN102846094

Incident#

Investigator: PAULA WIMBERLEY

Site Classification

DOMESTIC MAJOR

Conducted:

01/21/2003 -- 01/21/2003

SIC Code: 4952

Program(s):

WASTEWATER

Investigation #24699

Investigation Type: Compliance Investigation

Location:

Additional ID(s):

WQ0010044001

TPDES0034436

Address: ;,

Activity Type:

WW CCI Mandatory Major - Comprehensive ·

compliance investigation

Principal(s):

Role

Name

RESPONDENT

CITY OF CLUTE

Contact(s):

Role Notified	Title CHIEF OPERATOR	Name MS PAT BELL	Phone Work	(979) 265-3619
Regulated Entity Contact	MAYOR	MR JERRY ADKINS	Work	(979) 265-7939
Participated in Investigation	CHIEF OPERATOR	MS PAT BELL	Work	(979) 265-3619
Participated In Investigation	SYSTEMS SUPERINTEND ENT	MR KEN GUTOWSKY	Work	(281) 980-2183
Participated in Investigation	PUBLIC WORKS DIRECTOR	MR ROBERT RAY	Work	(979) 265-2541

Other Staff Member(s):

Role

Name

SUPERVISOR **QA REVIEWER**

JOHN WARD **RUSTY EVELO**

Associated Check List

Checklist Name

WQ INVESTIGATION TYPES **QUALITY REVIEW - WATER** GENERIC OTHER VIOLATIONS <u>Unit Name</u>

INVESTIGATION **QA RÉVIEW**

GENERIC VIOLATIONS

Investigation Comments:

DOMESTIC

Permitted flow: 4.0 mgd Mode: contact stabilization

06

* CITY OF CLUTE - CLUTE 1/21/03

Page 2 of 3

Interim or Final Limits: Interim Llimits Number of connections: +/- 4100 Date built/expanded: expansion 1984 Modifications since last inspection: none

Industrial contributions/problems: undetermined source of zinc & copper I/I and flow (75/90) problems; severe I/I which is being assessed by engineer

Classification of plant (A,B,C,D): B Operator certification(s) adequate: yes, Chief Operator Pat Bell, Class B Operator Carlos Winkelmann, Class B Operator Melvin Logan, Class C

Describe plant (or attach schematic): Please see attached schematic

SV30: Aeration Basin #1 - 140 ml/l, Reaer 1 - 200 ml/l, Reaer 2 - 190 ml/l Aeration Basin #2 - 180 ml/l, Reaer 1 - 250 ml/l, Reaer 2 - 240 ml/l

Clarifier Sludge/Water Depth: Clarifier #1 - 1.5' compact, 0.75' fluffy / 13' water depth (17%) Clarifier #2 - 1.25' / 13' (9%)

CCC Sludge/Water Depth: 0'

Primary flow device: 36" Parshall Flume

Secondary flow device (attach an Accuracy Check form): Ultrasonic flow meter

Backflow preventer: RPZ on incoming line, non-potable as wash down water

Preventer last calibration: not evaluated

Sludge hauled by/hauled to: Belt press on site dewaters sludge and sludge is taken to

Laboratory (In-house or Contract): Contract laboratory is Brazos River Authority Lab

Parameter(s) analyzed by lab: CBOD, TSS, NH3-N, Cu, Zn

Parameter(s) analyzed by operator: pH, D.O., Cl2

Adequate records of maintenance/QA: Yes

Receiving stream (Name/Segment/Basin): to a drainage ditch; thence into the Flag Lake Drainage Canal; thence to East Union Bayou; thence to the Intracoastal Waterway; thence to the Old Brazos River Channel Tidal in Segment No. 1111 of the San Jacinto-Brazos Coastal Basin

Flow conditions: minimal flow upstream, moderate flow downstream

Sewage debris: no Aquatic organisms: turtle

OUTSTANDING ALLEGED VIOLATIONS

Track No: 18078 Compliance Due Date: 4/21/03

30 TAC Chapter 305.125(1)

TPDES Permit No. 10044-001

Operational Requirements 1 Alleged Violation:

Investigation: 24699

Comment Date: 02/14/2003

Failure to repair or replace leaking air lines in the aeration basins, re-aeration basins, digester, and along the ground. This violation was noted during the last compliance inspection. The response to the last NOV was that \$15,000 was to be allocated for replacement of air piping above ground. During this investigation, Mr. Robert Ray, Public Works Director, said that they had recently received a much higher estimate for the remainder of the repairs. While it is important to note that the city is making progress to remedy this violation, a more definite time table for the work and

COLL OF CLUTE - CLUTE	
1/21/03	∵ ′
Page 3 of 3	
completion of these repairs will now be required.	
Recommended Corrective Action: Submit a plan the repair and/or replacement of the leaking air lines	with a timetable for completion of sat the wastewater treatment plant.
Kesolution:	
Track No: 18082 Compliance Due Date: 4/21/03	
30 TAC Chapter 305.125(1)	
OP TPDES Permit No. 10044-001 Effluent Limitations and Monitoring Requirements 1 Alleged Violation: Investigation: 24699	Comment Date: 02/14/2003
Failure to prevent 2 hour peak flow exceedences by into the collection system. Two hour peak flows were January, August, September, October, November, a currently working on correcting inflow and infiltration noted during the last two compliance inspections, a completion.	reliminating inflow and infiltration re exceeded during the months of and December, 2002. The city is
Recommended Corrective Action: Submit a plan- into the collection system, including a timetable for compliance with the two hour peak flow requirement 10044-001.	ompletion, and thus coming into
Resolution:	
Signed Daule M. Wunder Der Environmental Investigator	Date 2-14-03
Signed John 2 warel Supervisor	Date 2-18-03
, attachments: (in order of final report submittal)	
Enforcement Action Request (EAR)	•
Letter to Facility (specify type) : NOV	Maps, Plans, Sketches
Investigation Report	Photographs
·	Correspondence from the facility
Sample Analysis Results	Other (specify):
Manifests	
NOR	

MM GE 1/POH1-POI/CO

Texas Natural Resource Conservation Commission

INTEROFFICE MEMORANDUM

To:

Central Records

Date:

April 28, 2003

Information Resources Division,

Record Services Section

Thru:

John R. Ward

Team Leader, Water Section

Region 12 - Houston

From:

Paula M. Wimberley

Field Investigator, Region 12, Houston

Subject:

Laboratory analyses of the samples taken during the compliance inspection of

City of Clute Wastewater Treatment Plant

TNRCC ID No: 10044-001

Paula M. W imberler

Laboratory results have been received for the samples analyzed for the permit parameters. The samples were collected at the City of Clute Wastewater Treatment Plant, during the annual compliance inspection on January 21, 2003. Attached are the sample results. The samples were compliant for all parameters.

Signed:

MODIMION CORY



TCEQ Lauut a.v. y Report of Analysis Feb 21, 2003 4:00PM

Page 5 of 5

Region: 12

Work #: 93954

TNRCC Sample #: 0300486

Program: WATER

Sample Collected: 1/21/03 11:00

Sample Received: 01/22/03

Sample Depth:

Group #: 20030141

Matrix: LIQUID

Chain of Custody #: 007496-01

Organization #: 04212

Permit #: 10044-001

Sample Collected: PWIMBERL

CL2R: 0.0 Collection Site: City of Clute-Grab-Eff

	<u> </u>					
Constituent Name Ammonia Nitrogen CBOD (5-day)	Result 6.66	Unit mg/L	Prepared	Analyzed 02/04/03 12:11	Method 350.1	
Chlorine Residual, Total	4 <0.1	mg/L mg/ L		01/23/03 7:40 01/23/03 7:40	5210 B 330.4	
Total Suspended Solids Volatile Suspended Solids	. *	mg/L mg/L -		02/06/03 14:00 02/06/03 14:00	160.2 160.4	

Field pH: 7.78

End of Data for TNRCC Sample #: 0300486

Analysis Comments:

Date Written: 02/14/2003 11:02

Note Text: Hold time exceeded / Lab Error. Result = 4 mg/L.

Analysis Comments:

Date Written: 02/14/2003 11:02

Note Text: Hold time exceeded / Lab Error. Result = 4 mg/L.

Method: TSS

Method: VSS

Laboratory Approval:

Feb 21, 2003

Conductivity:

TNRFYNL.rpt

Modified Date: 22-Oct-2003

Robert J. Huston, Chairman
R. B. "Ralph" Marquez, Commissioner
Kathleen Hartnett White, Commissioner
Margaret Hoffman, Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 1, 2003

Honorable Jerry Adkins, Mayor City of Clute P.O. Box 997 Clute, TX 77531

Re:

Compliance Evaluation Investigation at:

Clute/Richwood Wastewater Treatment Facility, Clute (Brazoria County), Texas

TPDES ID No. 10044-001

Dear Mayor Adkins:

The Iexas Commission on Environmental Quality (TCEQ) Houston Region Office has received the compliance documentation that you submitted April 14, 2003 for the alleged violations noted during the investigation of the above-referenced facility conducted on January 21, 2003. The compliance documentation contained in your response appears to indicate that corrective action has been taken for the alleged violations. No further submittal from you is required concerning this investigation.

The Texas Natural Resource Conservation Commission appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Ms. Paula M. Wimberley in the Houston Region Office at 713-422-8921.

Sincerely,

John R. Ward Team Leader

Water Quality Management

Region 12 Houston

JRW/pmw/lb

cc: Mr. Ken Gutowsky, Brazos River Authority, P.O. Box 966, Sugar Land, TX 77487

Texas Con_nission on Environme⊸al Quality **Investigation Report**

CITY OF CLUTE RN102846094

Incident#

Investigator: PAULA WIMBERLEY

Site Classification

DOMESTIC MAJOR

Conducted:

04/28/2003 -- 04/28/2003

SIC Code: 4952

Program(s):

WASTEWATER

Investigation Type: Compliance Invest File Review

Location:

Additional ID(s):

WC20010044001 TPDES0034436

Address:;,

Activity Type: WW FRR - Record review

Principal(s):

Role

Name

Contact(s):

Title

Name

Phone

Other Staff Member(s):

Role

Name

SUPERVISOR QA REVIEWER **JOHN WARD RUSTY EVELO**

Associated Check List

Checklist Name

Unit Name

WQ INVESTIGATION TYPES

INVESTIGATION

GENERIC OTHER VIOLATIONS

GENERIC VIOLATIONS

Investigation Comments:

This is a file review to resolve written Notices of Violation Issued to the permittee in investigation number 35166.

ALLEGED NONCOMPLIANCES NOTED AND RESOLVED

Track No: 18078

Resolution Date: 4/28/03

30 TAC Chapter 305.125(1)

TPDES Permit No. 10044-001

Operational Requirements 1 Alleged Violation:

Investigation: 24699

Comment Date: 02/14/2003

Fallure to repair or replace leaking air lines in the aeration basins, re-aeration basins, digester, and along the ground. This violation was noted during the last compliance inspection. The response to the last NOV was that \$15,000 was to be allocated for replacement of air piping above ground. During this investigation, Mr. Robert Ray, Public Works Director, said that they had recently received a much higher estimate

CITY OF CLUTE - CLUTE

4/28/03

Page 2 of 3

for the remainder of the repairs. While it is important to note that the city is making progress to remedy this violation, a more definite time table for the work and completion of these repairs will now be required.

Investigation: 35166

Comment Date: 04/28/2003

Failure to repair or replace leaking air lines in the aeration basins, re-aeration basins, digester, and along the ground.

Recommended Corrective Action: Submit a plan with a timetable for completion of the repair and/or replacement of the leaking air lines at the wastewater treatment plant.

Resolution: Permittee submitted documentation stating that three of the air header systems are currently under repair. In addition, the remaining repairs are scheduled to begin December 2003.

Track No: 18082

Resolution Date: 4/28/03

30 TAC Chapter 305.125(1)

TPDES Permit No. 10044-001

Effluent Limitations and Monitoring Requirements 1

Alleged Violation: Investigation: 24699

Comment Date: 02/14/2003

Failure to prevent 2 hour peak flow exceedences by eliminating inflow and infiltration into the collection system. Two hour peak flows were exceeded during the months of January, August, September, October, November, and December, 2002. The city is currently working on correcting inflow and infiltration. Since this violation has been noted during the last two compliance inspections, a plan with timetable for completion.

Investigation: 35166

Comment Date: 04/28/2003

Failure to prevent 2 hour peak flow exceedences by eliminating inflow and infiltration into the collection system.

Recommended Corrective Action: Submit a plan for eliminating inflow and infiltration into the collection system, including a timetable for completion, and thus coming into compliance with the two hour peak flow requirement of TPDES permit number 10044-001.

Resolution: Permittee submitted a plan to reduce inflow and infiltration by repairing the collection system. This plan outlines specific locations to be repaired through the year 2008.

Environmental Investigator

Supervisor

Attachments: (in order of final report submittal)

FAX NO. 7137673691

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Page 3 of 3

•	Enforcement Action Request (EAR)

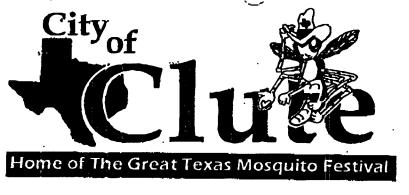
Enforcement Action Request (EAR)	Maps, Plans, Sketches
Letter to Facility (specify type):	Photographs
Investigation Report	Correspondence from the facility
Sample Analysis Results	Other (specify):
Manifests	,
NOR	
•	



104 E. Main Street
P.O. Box 997
Clute, Texas 77531

979-265-2541 979-265-4551 Fax www.ci.clute.tx.us

`Z



April 14, 2003

CERTIFIED MAIL #7001 2510 0004 2084 7845 RETURN RECEIPT REQUESTED

Mr. John R. Ward Team Leader Water Quality Management Region 12 Houston 5425 Polk Ave., Ste. H Houston, Texas 77023-1486

Re: Clute/Richwood Wastewater Treatment Facility, Clute (Brazoria

County), Texas

TPDES ID No. 10044-001

Dear Mr. Ward:

This letter is in response to the Summary of Investigation Findings dated January 21, 2003 resulting from an investigation by Ms. Paula M. Wimberley.

First, let me say with respect to the Inflow/Infiltration infractions noted at the plant that the City of Clute has experienced over 92.02 inches of rain in 2002. That is more than twice the amount we normally receive in a year (44 inches). Very few collection systems can withstand this type of deluge.

As reported in a letter dated 11/06/02 from the Brazos River Authority (BRA) to the Austin TCEQ Office a manhole situated in a drainage ditch along SH288B was damaged/broken by a contractor during a project to relocate and line (Insituform) existing utilities for a grade separation project at the railroad crossing on SH288B. This occurred during the

RECEIVED
APR 15 2003
REGION 12

Page 2

construction phase in August 2002 and was not discovered and repaired until November 2002. We feel that this incident as well as 55.1 inches of rain recorded in September, October and November attributed to the 2-hour peak flow infractions during these months. The manhole was repaired in late November. Also, reported in letters dated 9/16/02 and 9/17/02 we experienced a malfunction of the "Automatic Transfer Switch Gear" which caused the emergency generator to not come on during loss of power to the plant. This has since been repaired/replaced.

We offer the following compliance plan:

Reference: Tract No. 18078

Investigation: 24699

Resolution:

At the present time, three (3) air leaks on the header systems are being repaired. The City of Clute and BRA will be contacting several contractors to have estimates on the repair or replacement of the 24-inch underground airline. These repairs will be budgeted in the FY2003-2004 Budget. Estimated construction start date is December 2003.

Reference: Tract No: 18082

Investigation: 24699.

Resolution:

The City of Clute has made considerable advancements to eliminate inflow and infiltration into the collection system. As in many cities, the collection system in the City of Clute is approximately 40 - 50 years old. Following is a list of completed projects aimed at elimination of inflow/infiltration problems:

1995 CDBG PROJECT:

Lift Station & Sanitary Sewer Improvements......\$155,339.54

New Live Oak Street Lift Station

Page 3

•	Replace Sanitary Sewer Lines and Ma	ınholes:
	Hackberry Street	500'
	Ash Street	700'
	Lake Street	800'
•	Force Main - Live Oak St	650'
•	Force Main - Pecan St	250'
•	Force Main Extension - April Park Lit	ft
	Station/Stratton Ridge Road	600'

1997 CDBG PROJECT:

Sanitary Sewer Improvements.....\$215,589.39

E. Pecan Lane 500'

Riley Road Point Repairs

1999 CDBG PROJECT:

Sanitary Sewer Improvements.....\$166,220.70

• Replace Sanitary Sewer Lines and Manholes:

Coleman Street	600'
Montgomery Street	600'
Shelby Street	
James Street	650'
Charlotte Street	
Easement/Coleman St. to	
Brazoswood Dr	,900'

Page 4

2001 CDBG PROJE	CT: (Currently in construction)
Sanitary Sew	er Improvements\$286,341.50
• 1	Replace Sanitary Sewer Lines and Manholes:
•	St. Anne Street
IN-HOUSE SANITAI	RY SEWER REPLACEMENT/REHAB PROJECTS: 2
1995 to Prese	ent\$1,963,328
• L • N • A • S • V • A • A • I • B • B • B • B • B • M • M • M • M	y Sewer Lines Replacement: ois Street (Long St. to end)

Page 5

•	Cobb Field: Park Building south parallel wit	th
	Drainage Ditch to elevated water tower	650'
•	Chemical Lehman (SH288B): 490' and relin	ed
	two (2) manholes	490'
•	Sewer line & Manhole (721 Kyle St)	100'
•	Long Street (Lois to S. Shanks)	650'
•	West Marion Street. (N. Oak to Temple	
	Ditch)	600'
•	SH288B Utility Relocation Project: 48" Sanit	tary
	Sewer lined (insituform);	1,656'
	8" sanitary line installed;	763'
	6" sanitary line installed;	150'
	4" service line replaced	385'
	8" Main installed	628'
	4 Manholes Replaced	
•	Maple to Highland Park	350'
•	Highland Park to Moffett	250'

Manholes Replaced/Lined:

- Manhole @ West Street/Plantation
- Two Manholes on E. Kyle Road, East of Riley and West of E. River Drive
- Manholes relined: Main & Pecan Lane; Lazy Lane
 & Godfrey; Barbara Drive midway between
 Stratton Ridge & Parkwood; six (6) manholes
 Bumpy Lane Lift Station to Commerce.
- Manhole @721 Kyle St.
- Manholes installed on Aycock St. (midway Avery to Bernard and Avery at Aycock)

Life Stations Rehab/Upgraded:

- Wilson Park Lift Station
- Maple St. Lift Station (2-200 GPM Pumps)
- Stratton Ridge Lift Station (2-150 GPM Pumps)
- Mimosa St. Lift Station (2-150 GPM Pumps)
- Hackberry Lift Station (2-500 GPM Pumps)
- Lake St. Lift Station (2-150 GPM Pumps)
- Live Oak Lift Station (2-150 GPM Pumps)

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Mr. John R. Ward April 14, 2003

Page 6

In 2001 the City of Clute contracted with Gutierrez, Smouse, Wilmut & Associates, Inc. in association with John D. Mercer & Associates, Inc. to have a Sanitary Sewer Evaluation Survey (SSES) done. That project was completed in June 2002. Following are improvements made to-date as a result of the 2002 SSES:

- 111 inflow protectors installed in manholes
- 59 Customer cleanouts repaired
- 600 feet of 8" PVC installed
- 16 Manhole Repairs
- 7 Repairs where the Sanitary Sewer was broken under a storm sewer
- 7 Major repairs in Drainage Areas
- 1150 feet of 18" PVC Gravity Sewer on Mockingbird Lane

As you can see, since 1995 the city has replaced over forty-one thousand five hundred (41,500) linear feet of sanitary sewer lines along with manholes on these lines. That represents 20% of the total number of linear feet of sanitary sewer lines in our system. Also during this period we have upgraded seven (7) lift stations that represents 40% of the total lift stations in the city.

The City of Clute will continue to use the 2002 SSES Report to aid in projects to eliminate inflow/infiltration in the collection system. To aid the city in this endeavor, we have purchased a camera system to be used to televise sanitary lines to determine their condition. Below is a list of projects proposed for the next five years:

CDBG PROJECTS:

FY 2003-2004: Sanitary Sewer Improvements to replace sanitary sewer lines (4,050') & replace/rehab manholes on following Streets:

W. Bernard Pecan Lane S. Oak St. Lewis St. Wade St.