ST. TAMMANY PARISH COUNCIL

RESOLUTION

RESOLUTION COUNCIL SERIES NO: C-4582

COUNCIL SPONSOR: DEAN/BRISTER

PROVIDED BY: LEGAL DEPARTMENT

RESOLUTION TO ACKNOWLEDGE RECEIPT AND REVIEW OF THE 2015 MUNICIPAL WATER POLLUTION PREVENTION ENVIRONMENTAL AUDIT REPORT FOR THE TIMBER BRANCH II REGIONAL SEWAGE TREATMENT FACILITY (WARD 1, DISTRICT 1)

WHEREAS, St. Tammany Parish Government owns and operates the Timber Branch II Regional Sewage Treatment Facility; and

WHEREAS, the Louisiana Pollutant Discharge Elimination System (LPDES) permit which authorizes effluent discharge from the Timber Branch II Regional Sewage Treatment Facility mandates the Parish to institute a program directed towards pollution prevention in order to improve operation efficiency and extend the useful life of the treatment facility; and

WHEREAS, pursuant to Part of Other Conditions, Section H of LPDES permit LA0122645, the Parish Government must complete an annual Environmental Audit Report for the life of the permit, and a copy of such Environmental Audit Report is attached hereto.

THE PARISH OF ST. TAMMANY HEREBY RESOLVES that the St. Tammany Parish Government acknowledges the receipt of the 2015 Municipal Water Pollution Prevention Environmental Audit Report for the Timber Branch II Regional Sewage Treatment Facility and its finding that no actions are necessary at this time for compliance achievement.

THIS RESOLUTION HAVING BEEN SUBMITTED TO A VOTE, THE VOTE THEREON WAS AS FOLLOWS:

MOVED FOR ADOPTION BY: _____ SECONDED BY: _____

YEAS: _____

NAYS: _____

ABSTAIN: _____

ABSENT: _____

THIS RESOLUTION WAS DECLARED ADOPTED ON THE <u>5</u> DAY OF <u>MAY</u>, 2016, AT A REGULAR MEETING OF THE PARISH COUNCIL, A QUORUM OF THE MEMBERS BEING PRESENT AND VOTING.

MARTY DEAN, COUNCIL CHAIRMAN

ATTEST:

THERESA L. FORD, COUNCIL CLERK

Resolution Administrative Comment

RESOLUTION TO ACKNOWLEDGE RECEIPT AND REVIEW OF THE 2015 MUNICIPAL WATER POLLUTION PREVENTION ENVIRONMENTAL AUDIT REPORT FOR THE TIMBER BRANCH II REGIONAL SEWAGE TREATMENT FACILITY (WARD 1, DISTRICT 1)

Pursuant to the permit authorizing effluent discharge, this Resolution is required to acknowledge the Environmental Audit and identify any compliance actions to be taken. No compliance actions were indicated.

Facility Name:Timber Branch II Sewage Treatment FacilityLPDES Permit Number:LA0122645Agency Interest (AI) Number:51671Address:P. O. Box 628 Covington, LA 70434Physical Location: Off Bootlegger Rd & Oschner Blvd, Covington, LAParish:St. Tammany(Person Completing Form) Name:Greg GordenTitle:Department of Environmental Services DirectorDate CompleteiJan 2015 - Dec 2015	LOUISIANA MUNICIPAL WATER POLLUTION PREVENTION MWPP	DEQ LOUISIANA	
Agency Interest (AI) Number: 51671 Address: P. O. Box 628 Covington, LA 70434 Physical Location: Off Bootlegger Rd & Oschner Blvd, Covington, LA Parish: St. Tammany (Person Completing Form) Name: Greg Gorden Title: Department of Environmental Services Director	Facility Name:	_	
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(Person Completing Form) Name: Greg Gorden Title: Department of Environmental Services Director			
Title: Department of Environmental Services Director	Parish:	St. Tammany	
Title: Services Director	(Person Completing Form) Name:	Greg Gorden	
Date Completed: Jan 2015 - Dec 2015	Title:		
	Date Completed:	Jan 2015 - Dec 2015	

INSTRUCTIONS

- 1. Complete only the sections of the Environmental Audit which apply to your wastewater treatment system. Leave sections that do not apply blank and enter a "0" for the point value.
- 2. Parts 1 through 7 contain questions for which points may be generated. These points are intended to communicate to the department and the governing body or owner what actions will be necessary to prevent effluent violations. Place the point totals from parts 1 through 7 on the Point Calculation page.
- 3. Add up the point totals.
- 4. Submit the Environmental Audit to the governing body or owner for review and approval.
- 5. The governing body must pass a resolution which contains the following items:
 - a. The resolution or letter must acknowledge the governing body or owner has reviewed the Environmental Audit.
 - b. This resolution must indicate <u>specific</u> actions, if any, will be taken to maintain compliance and prevent effluent violations. Proposed actions should address the parts where maximum or close to maximum points were generated in the Environmental Audit.
 - c. The resolution should provide any other information the governing body deems appropriate.

PART 1: INFLUENT FLOW/LOADINGS (all plants)

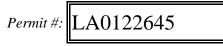
A. List the average monthly volumetric flows and CBOD loadings received at your facility during the last reporting year.

Column 1 Average Monthly Flow (million gallons per day, MGD)		Column 2 Average Monthly CBOD5 Concentration (mg/l)	_	Column 3 Average Monthly CBOD5 Loading (pounds per day, lb/day)
0.13	х	161	x 8.34 =	175
0.125	X	161	x 8.34 =	168
0.139	X	161	x 8.34 =	187
0.129	X	161	x 8.34 =	173
0.129	X	161	x 8.34 =	173
0.132	X	161	x 8.34 =	177
0.128	X	161	x 8.34 =	172
0.123	X	161	x 8.34 =	165
0.122	X	161	x 8.34 =	164
0.124	X	161	x 8.34 =	166
0.119	X	161	x 8.34 =	160
0.134	X	161	x 8.34 =	180

* Please note influent value utilized is from Summer 2013 sampling event. CBOD loading = Average Monthly Flow (in MGD) x Average Monthly CBOD concentration (in mg/l) x 8.34

B. List the design flow and design CBOD loading for your facility in the blanks below. If you are not aware of these design quantities, refer to your Operation and Maintenance (O&M) Manual or contact your consulting engineer.

Design Flow, MGD:	0.303 MGD	x 0.90 =	0.273
Design CBOD, lb/day:	250	x 0.90 =	225



How many months did the monthly flow (Column 1) to the wastewater treatment facility C. (WWTF) exceed 90% of design flow? Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

How many months did the monthly flow (Column 1) to the WWTF exceed the design flow? D. Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12
months points	0	5	5	10	10	15	15	15	15	15	15	15	15
				Write	0, 5, 10) or 15	in the	D poir	nt total	box	0	D Poir	nt Total

E. How many months did the monthly CBOD loading (Column 3) to the WWTF exceed 90% of the design loading? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12
months points	0	0	5	5	5	10	10	10	10	10	10	10	10
I													nt Total

F. How many months did the monthly CBOD loading (Column 3) to the WWTF exceed the design loading? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12
months points	0	10	20	30	40	50	50	50	50	50	50	50	50
													nt Total

Add together each point total for C through F and place this sum in the box below at the right. G.

TOTAL POINT VALUE FOR PART 1: 0 (max = 80)

Also enter this value or 80, whichever is less, on the point calculation table on page 16.

PART 2: EFFLUENT QUALITY / PLANT PERFORMANCE

A. List the monthly average effluent CBOD and TSS concentrations produced by your facility during the last reporting year.

Month	Column 1 Average Monthly CBOD (mg/l)	Column 2 Average Monthly TSS (mg/l)
January 2015	2	
February 2015	2	
March 2015	2	1
April 2015	2	
May 2015	2	
June 2015	2	1
July 2015	4	
August 2015	2	
September 2015	2	1
October 2015	3	
November 2015	2	
December 2015	2	7

B. List the monthly average permit limits for your facility in the blanks below.

	Permit Limit		90% of Permit Limit
BOD, mg/l	10	x 0.90 =	9
TSS, mg/l	15	x 0.90 =	13.5

C. Continuous Discharge to Surface Water.

i. How many months did the effluent CBOD (Column 1) exceed 90% of the permit limits? Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

Permit #: LA0122645

Write 0, 10, 20, 30 or 40 in the i point total box 0 i Point Total

ii. How many months did the effluent CBOD (Column 1) exceed permit limits? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12
points	0	5	5	10	10	10	10	10	10	10	10	10	10
													nt Total

iii. How many months did the effluent TSS (Column 2) exceed 90% of the permit limits? Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

months points	0	1	2	3	4	5	6	7	8	9	10	11	12
points	0	0	10	20	30	40	40	40	40	40	40	40	40

Write 0, 10, 20, 30 or 40 in the iii point total box

- 0 iii Point Total
- How many months did the effluent TSS (Column 2) exceed permit limits? Circle the iv. number of months and corresponding point total. Write the point total in the box below at the right.

months	0	1	2	3	4	5	6	7	8	9	10	11	12
months points	0	5	5	10	10	10	10	10	10	10	10	10	10
				Wr	ite 0, 5	, or 10	in the	iv poir	nt total	box	0	iv Poi	nt Total

Add together each point total for i through iv and place this sum in the box below at the right. v.

TOTAL POINT VALUE FOR PART 2: 0 (max = 100)

Permit #:	LA0122645
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- **D.** Other Monitoring and Limitations
- **i.** At any time in the past year was there and exceedance of a permit limit for other pollutants such as: ammonia-nitrogen, phosphorus, pH, total residual chlorine, or fecal coliform?

\checkmark Check one box.	Yes	X No	If Yes, Please describe:
At any time in the past y Toxicity) test of the effl		u "failure" of	a Biomonitoring (Whole Effluent
$\sqrt{\text{Check one box.}}$	Yes	X No	If Yes, Please describe:
NY/A 1	, .		.11.
N/A - biomonitor	ing is not requi	red for this fa	acility.

iii. At any time in the past year was there an exceedance of a permit limit for a toxic substance?

$\sqrt{\text{Check one box.}}$	Yes	X No	If Yes, Please describe:

ii.

PART 3: AGE OF THE WASTEWATER TREATMENT FACILITY

A. What year was the wastewater treatment facility constructed or last major expansion/ improvements completed?

	_	2009		
Current Year	-	Answer to A	=	Age in years
2015		2009	_	6

Enter Age in Part C below.

B. $\sqrt{}$ Check the type of treatment facility that is employed.

		FACTOR:
<u>X</u>	Mechanical Treatment Plant (trickling filter, activated sludge, etc) Specify Type: <u>Return activated sludge</u>	2.5
	Aerated Lagoon	2.0
	Stabilization Pond	1.5
	Other Specify Type:	1.0

C. Multiply the factor listed next to the type of facility your community employs by the age of your facility to determine the total point value for Part 3.

TOTAL POINT VALUE FOR PART 3 =

$$\frac{2.5}{Factor} \times \frac{6}{Age} = 15 \text{ (max = 50)}$$

Also enter this value or 50, whichever is less, on the point calculation table on page 16.

D. Please attach a schematic of the treatment plant.

SEE ATTACHED DIAGRAM.

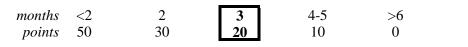
	<i>Permit #:</i> LA0122645
PAI	RT 4: OVERFLOWS AND BYPASSES
A. i.	List the number of times in the last year there was an overflow, bypass or unpermitted discharge of untreated or incompletely treated wastewater due to heavy rain:
	\checkmark Check one box. $0 = 0$ points $3 = 15$ points $1 = 5$ points $4 = 30$ points $2 = 10$ points 5 or more = 50 points
ii.	List the number of bypasses, overflows or unpermitted discharges shown in A (i) that were within the collection system and the number at the treatment plant
	Collection System: 0 Treatment Plant: 0
В. i.	List the number of times in the last year there was an overflow, bypass or unpermitted discharge of untreated or incompletely treated wastewater due to equipment failure, either at the treatment plant or due to pumping problems in the collection system:
ii.	List the number of bypasses, overflows or unpermitted discharges shown in B (i) that were within the collection system and the number at the treatment plant
	Collection System: 0 Treatment Plant: 0
C.	Specify whether the bypasses came from the city/village/town sewer system or from contract or tributary communities/sanitary districts, etc
D.	Add the point values checked for A and B and place the total in the box below.
	TOTAL POINT VALUE FOR PART 4: 5 (max = 100) Also enter this value or 100, whichever is less, on the point calculation table on page 16.
Е.	List the person responsible (name and title) for reporting overflows, bypasses or unpermitted discharges to State and Federal authorities:
	Tim Brown, Utility Manager or Greg Gorden, Director - Dept of Enviro Services
	Describe the procedure for gathering, compiling and reporting:
	Field staff reports incidents, management notifies DEQ verbally and/or written

PART 5: SLUDGE STORAGE AND DISPOSAL SITES

A. Sludge Storage

How many months of sludge storage capacity does your facility have available, either on-site or off-site?

Circle the number of months and the corresponding point total. Write the point total in the box below at the right.



Write 0, 10, 20, 30 or 40 in the A point total box

- 20 A Point Total
- **B.** For how many months does your facility have access to (and approval for) sufficient land disposal sites to provide proper land disposal?

Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

nonths<2

Write 0, 10, 20, 30 or 40 in the B point total box 20 B Point Total

C. Add together the A and B point values and place the sum in the box below at the right:

TOTAL POINT VALUE FOR PART 5: 40 (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.

PART 6: NEW DEVELOPMENT

A. Please provide the following information for the total of all sewer line extensions which were installed during the last year.

Design Population:	N/A	
Design Flow:	N/A	MGD
Design BOD:	N/A	mg/l

B. Has an industry (or other development) moved into the community or expanded production in the past year, such that either flow or pollutant loadings to the sewerage system were significantly increased (5% or greater)?

	Yes = 15 points	\mathbf{X} No = 0 points
If Yes, Please describe:		
	INO	
List any new pollutants:		
	IN/A	
significantly increase? √ Check one box. If Yes, Please describe:	Yes = 15 points	\mathbf{X} No = 0 points
	Not significant	
	NOT SIGNIFICANT	
	Not significant	
ist any new pollutants y		
List any new pollutants y		

D. Add together the point value checked in B and C and place the sum in the box below.

TOTAL POINT VALUE FOR PART 6:

0 (max = 30)

10

C.

Also enter this value or 30, whichever is less, on the point calculation table on page 16.

			Permit #:	LA012	2645	
PA	RT 7: OPERATO	R CERTIFICATIO	ON ANI	DEDUC.	ATION	
A.	What was the name of t	he operator-in-charge fo	or the report	ting year?		
			•	rt McKenzie	2	
B.	What is his or her certif				-	
21				5833		
C.	What level of certification wastewater treatment fa				o operate the	
р	What is the level of som	Level Required:				
D.	what is the level of cer	tification of the operator	C C			
		Level Certified:				
Е.	Was the operator-in-cha required in order to ope	arge of the report year ce rate this plant?	ertified at le	east at the g	rade level	
	$\sqrt{\text{Check one box.}}$	\mathbf{X} Yes = 0 points		No No	= 50 points	
	Wri	te 0 or 50 in the E point	total box	0 E Po	oint Total	
F.	Has the operator-in-cha year?	rge maintained recertific	cation requi	rements du	ring the reportin	g
	\checkmark Check one box.	X Yes		No No		
G.	How many hours of cor last two calendar years?	ntinuing education has th	e operator-	in-charge c	ompleted over th	ıe
	$\sqrt{\text{Check one box.}}$	X > 12 hours = 0	points	<12	hours $= 50$ poi	nts
	Writ	te 0 or 50 in the G point	total box	0 G Po	oint Total	
H.	Is there a written policy treatment plant employed	regarding continuing ec	lucation an			
	$\sqrt{\text{Check one box.}}$	X Yes		No No		
	Explain:	Budget allocated and	training sc	hedule set a	t beginning of e	ach yea
I.	What percentage of the paid for:	continuing education ex	penses of t	he operator-	-in-charge were	
	By the permittee?	100	By the oper	rator?	0%	
J.	Add together the E and	G point values and place	e the sum i	n the box be	low at the right.	
		TOTAL POINT VA	ALUE FOI	R PART 7:	0 (max =	= 100)
	Also enter this value	or 100, whichever is les	s, on the po	oint calculat	tion table on pag	ge 16.

Permit #:	LA0122645	
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PART 8: FINANCIAL STATUS

A. Are User-Charge Revenues sufficient to cover operation and maintenance expenses?

 $\sqrt{\text{Check one box.}}$ Yes No If No, How are O&M costs financed?

B. What financial resources do you have available to pay for your wastewater improvements and reconstruction needs?

Revenue generated from the sale of water and sewer services.

PART 9: SUBJECTIVE EVALUATION

A. Collection System Maintenance

i. Describe what sewer system maintenance work has been done in the last year.

> General maintenance (smoking & camera). Less than 1% of collection system has needed repair.

ii. Describe what lift station work has been done in the last year.

> General maintenance...pumps replaced as needed. Typically burnt up due to clogging.

iii. What collection system improvements does the community have under construction for the next 5 years?

Nothing	currently	scheduled.
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В.	If you have ponds please answer the following questions: N/A	√ Check or	ne box.
i.	Do you have duckweed buildup in the ponds?	Yes	No No
ii.	Do you mow the dikes regularly (at least monthly), to the waters edge?	Yes	No
iii.	Do you have bushes or trees growing on the dikes or in the ponds?	Yes	No
iv.	<i>Do you have excess sludge buildup (> 1 foot) on the bottom of any of your ponds?</i>	Yes	□ No
v.	Do you exercise all of your valves?	Yes	No
vi.	Are your control manholes in good structural shape?	Yes	No
vii.	Do you maintain at least 3 feet of freeboard in all of your		
	ponds?	Yes	No
viii.	Do you visit your pond system at least weekly?	Yes	No

- C. **Treatment Plants**
- Have the influent and effluent flow meters been calibrated in the last year? i.

X Yes	No No	($\sqrt{1}$ Check one box.)		
N/A			5/14/15	
Influent flow meter calibration date(s)			<i>Effluent flow meter calibration date(s)</i>	

What problems, if any, have been experienced over the last year that have threatened ii. treatment?

Ν	NONE
Is your community present	y involved in formal planning for treatment facility upgrade?

iii. Is your community presently involved in formal planning for treatment facility upgrade?

 \checkmark Check one box. \square Yes \boxed{X} No If Yes, Please describe:

	Permit #: LA0122645					
D.	Preventive Maintenance					
i.	Does your plant have a written plan for preventive maintenance on major equipment items?					
	$\sqrt{\text{Check one box.}}$ X Yes No If Yes, Please describe:					
	As per manufacturer directives in O&M manual.					
ii.	Does this preventive maintenance program depict frequency of intervals, types of lubrication and other preventive maintenance tasks necessary for each piece of equipment?					
iii.	Are these preventive maintenance tasks, as well as equipment problems, being recorded and filed so future maintenance problems can be assured properly?					
E.	Sewer Use Ordinance					
i.	Does your community have a sewer use ordinance that limits or prohibits the discharge of excessive conventional pollutants (BOD, TSS or pH) or toxic substances to the sewer system from industries, commercial users and residences?					
	\vee Check one box. Yes X No If Yes, Please describe:					
	There is no pretreatment program in effect. There are no categorical industrial users and no adverse effects from current users.					
ii.	Has it been necessary to enforce?					
	\checkmark Check one box. \Box Yes \Box No If Yes, Please describe:					
	N/A					
iii.	Any additional comments about your treatment plant or collection system? (Attach additional sheets if necessary.)					

POINT CALCULATION TABLE

	Actual Values	Maximum
Part 1: Influent Flow/Loadings	0	80 points
Part 2: Effluent Quality / Plant Performance	0	100 points
Part 3: Age of WWTF	15	50 points
Part 4: Overflows and Bypasses	0	100 points
Part 5: Ultimate Disposition of Sludge	40	100 points
Part 6: New Development	0	30 points
Part 7: Operator Certification Training	0	100 points

TOTAL POINTS:

55 = Acceptable

ATTACHMENT - RESOLUTION

ST. TAMMANY PARISH MWPP RESOLUTION

Resolved that the village/town/city of <u>Timber Branch II</u> sewered area informs the Louisiana Department of Environmental Quality that the following actions were taken by <u>St. Tammany Parish Council.</u>

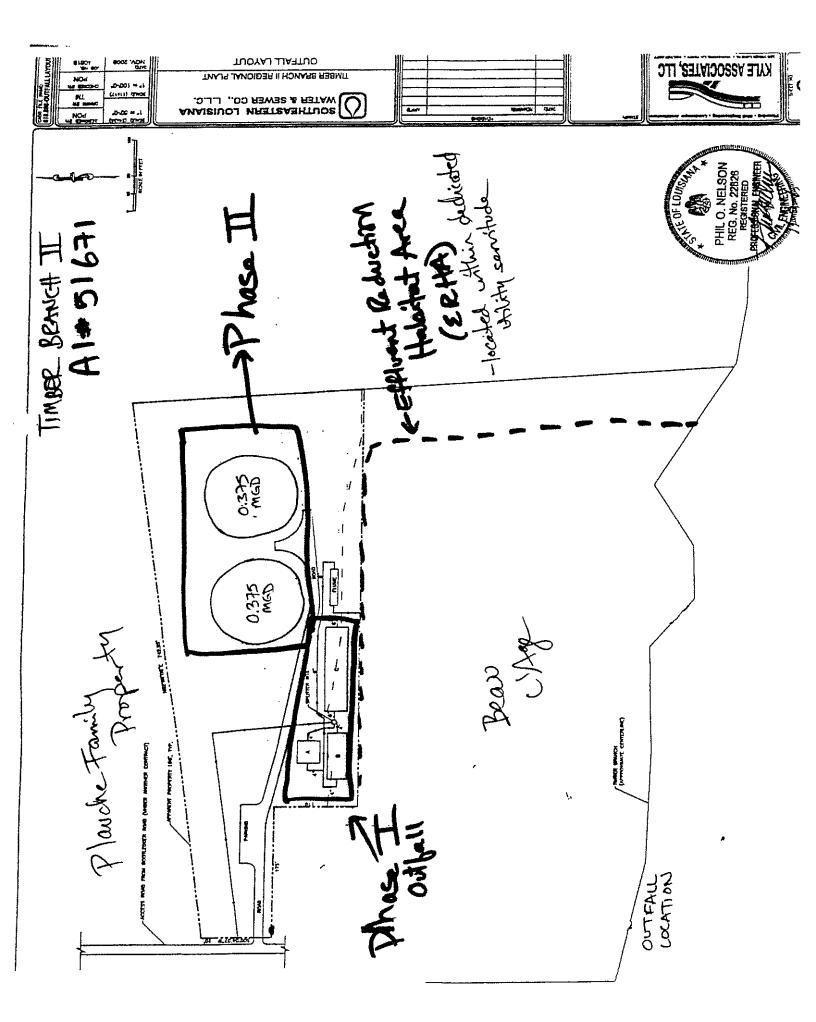
- 1. Resolved the Municipal Water Pollution Prevention Environmental Audit Report which is attached to this resolution. (See official Parish document).
- 2. No necessary actions are required to achieve or maintain compliance at this time.

(Please be specific in listing the actions that will be taken to address the problems
identified in the audit report.)

a. b. c. d. etc..

Passed by a majority/unanimous (circle one) vote of the ______ on ______ (date).

CLERK



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