#### ST. TAMMANY PARISH COUNCIL

#### RESOLUTION

RESOLUTION COUNCIL SERIES NO: C-3519

COUNCIL SPONSOR: GOULD/BRISTER PROVIDED BY: ENVIRONMENTAL SERVICES

RESOLUTION TO ACKNOWLEDGE THE RECEIPT AND REVIEW OF THE 2012 MUNICIPAL WATER POLLUTION PREVENTION ENVIRONMENTAL AUDIT REPORT FOR THE CROSS GATES WASTEWATER TREATMENT FACILITY.

WHEREAS, St. Tammany Parish Government owns and operates the Cross Gates Wastewater Treatment Facility; and

WHEREAS, the Louisiana Pollutant Discharge Elimination System (LPDES) permit, which authorizes effluent discharge from the Cross Gates Wastewater Treatment Facility, mandates the Parish institute a program directed toward pollution prevention in order to improve operating efficiency and extend the useful life of the treatment facility; and

WHEREAS, pursuant to Part II, Section C of LPDES permit LA0048491, the Parish Government must complete an annual Environmental Audit Report for the life of the permit; and

WHEREAS, the Environmental Audit Report, a copy of which is attached hereto, finds that the Parish Government needs to continue the long term capital planning and budgeting associated with the replacement and/or renovation of Wastewater Treatment Plant No. 1 at the Cross Gates Wastewater Treatment Facility.

THE PARISH OF ST. TAMMANY HEREBY RESOLVES that the St. Tammany Parish Government acknowledges receipt of the 2012 Municipal Water Pollution Prevention Environmental Audit Report for the Cross Gates Wastewater Treatment Facility and its findings concerning the need to continue design, long term capital planning and budgeting associated with the replacement of Wastewater Treatment Plant No. 1, and installation of a new equalization basin at the Cross Gates Wastewater Treatment Facility.

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  $\frac{1}{2}$  DAY OF OCTOBER , 2012, AT A REGULAR MEETING OF THE PARISH COUNCIL, A QUORUM OF THE MEMBERS BEING PRESENT AND VOTING.

ATTEST:
THERESA L. FORD, COUNCIL CLERK

#### **Resolution Administrative Comment**

RESOLUTION TO ACKNOWLEDGE THE RECEIPT AND REVIEW OF THE 2012 MUNICIPAL WATER POLLUTION PREVENTION ENVIRONMENTAL AUDIT REPORT FOR THE CROSS GATES WASTEWATER TREATMENT FACILITY. (Parishwide)

Pursuant to the permit authorizing effluent discharge, this Resolution is required to acknowledge the Environmental Audit and identify any compliance actions to be taken.

## **LOUISIANA**

# MUNICIPAL WATER POLLUTION PREVENTION

### **MWPP**



<u> </u>	
Facility Name:	Cross Gates Sewage Treatment Facility
LPDES Permit Number:	LA0048941
Agency Interest (AI) Number:	19826
Address:	P. O. Box 628 Covington, LA 70434
	Cross Gates Sewer Treatment Location: 350 N. Military Rd, Slidell, LA 70461
Parish:	St. Tammany
(Person Completing Form) Name:	Greg Gorden
Title:	Department of Environmental Services Director
Date Completed:	May 2011 - April 2012

### **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.

Permit #: LA0048941

### PART 1: INFLUENT FLOW/LOADINGS (all plants)

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

Column 1 Average Monthly Flow (million gallons per day, MGD)		Column 2 Average Monthly BOD5 Concentration (mg/l)	_	Column 3  Average Monthly  BOD5 Loading (pounds per day, lb/day)
0.507	X	122	<b>x</b> 8.34 =	515.9
0.561	X	122	<b>x</b> 8.34 =	570.8
0.624	x	122	<b>x</b> 8.34 =	634.9
0.619	X	122	<b>x</b> 8.34 =	629.8
0.58	x	122	<b>x</b> 8.34 =	590.1
0.519	X	122	<b>x</b> 8.34 =	528.1
0.558	X	122	<b>x</b> 8.34 =	567.8
0.559	X	122	<b>x</b> 8.34 =	568.8
0.558	X	122	<b>x</b> 8.34 =	567.8
0.587	x	122	<b>x</b> 8.34 =	597.3
0.671	x	122	<b>x</b> 8.34 =	682.7
0.59	X	122	<b>x</b> 8.34 =	600.3

<sup>\*</sup> Please note influent BOD concentration is historical data from 2006 LPDES renewal application.  $BOD\ loading = Average\ Monthly\ Flow\ (in\ MGD)\ x\ Average\ Monthly\ BOD\ concentration\ (in\ mg/l)\ x\ 8.34$ 

List the design flow and design BOD 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:	0.9MGD	<b>x</b> 0.90 =	0.81
Design BOD, lb/day:	1530	<b>x</b> 0.90 =	1377

								Per	mit #:	LA(	048	941		
с.	How m (WWT point to	F) exc	ceed 90	)% of 0	design	flow?	Circle	the nu	ımber c	of mon		treatme		
	months	0	1	2	3	4	5	6	7	8	9	10	11	12
	points	0	0	0	0	0	5	5	5	5	5	5	5	5
						Write	e 0 or 5	in the	C poir	ıt total	box	0	C Poir	nt Total
D.	How m Circle below	the nu	mber o											
	months	0	1	2	3	4	5	6	7	8	9	10	11	12
	points	0	5	5	10	10	15	15	15	15	15	15	15	15
					Write	0, 5, 10	0 or 15	in the	D poir	nt total	box	0	D Poir	nt Total
Е.	How mof the of the poi	design	loadir	ıg? Ci	rcle th	e numb	er of n							
	months	0	1	2	3	4	5	6	7	8	9	10	11	12
	points	0	0	5	5	5	10	10	10	10	10	10	10	10
					W	rite 0,	5,or 10	) in the	E poir	nt total	box	0	E Poir	nt Total
F.	How medical design point to	loadir	ng? Ci	rcle th	e numl	per of 1	nonths							
	months	0	1	2	3	4	5	6	7	8	9	10	11	12
	points	0	10	20	30	40	50	50	50	50	50	50	50	50
			W	/rite 0,	10, 20	), 30, 4	0 or 50	) in the	e F poir	ıt total	box	0	F Poin	nt Total
G.	Add to	gether	each p	point to	otal for	· C thro	ough F	and pl	ace this	s sum	in the	box bel	ow at 1	the right
					тот	AL PO	)INT	VALU	E FOR	R PAR	Т 1:	0	(max	= 80)

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

Permit #: LA0048941

### PART 2: EFFLUENT QUALITY / PLANT PERFORMANCE

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

Month	Column 1 Average Monthly BOD (mg/l)	Column 2 Average Monthly TSS (mg/l)
May 2011	4	3
June 2011	4	3
July 2011	5	5
August 2011	3	2
September 2011	4	1
October 2011	2	2
November 2011	3	2
December 2011	4	2
January 2012	3	3
February 2012	2	2
March 2012	2	4
April 2012	3	3

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

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

								Perr	nit #:	LA0	0489	941		
C.	Continu	uous Di	ischar	ge to S	urface	Water	•		<u>L</u>					
i.	How m Circle t the box	he nun	nber o	f montl								_		
	months points	0	1	2 10	3 20	4 30	5 40	6 40	7 40	8 40	9 40	10 40	11 40	12 40
				Write	e 0, 10	), 20, 3	0 or 40	0 in the	e i poin	t total	box	0	i Poin	t Total
ii.	How m number at the ri	of mo								_				
	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
					Wr	ite 0, 5	, or 10	) in the	ii poin	it total	box	0	ii Poir	nt Total
iii.	How m Circle t the box	he nun	iber o	f month							-	-		
	months points	0 0	1 0	2 10	3 20	4 30	5 40	6 40	7 40	8 40	9 40	10 40	11 40	12 40
				Write	0, 10,	20, 30	or 40	in the i	iii poin	it total	box	0	iii Poi	nt Tota
iv.	How m number at the ri	of mo								•				
	months points	0 0	1 5	2 5	3 10	4 10	5 10	6 10	7 10	8 10	9 10	10 10	11 10	12 10
					Wri	te 0, 5,	or 10	in the	iv poin	ıt total	box	0	iv Poi	nt Total
v.	Add tog	gether 6	each p	oint to	al for	i throu	gh iv a	and pla	ce this	sum i	n the b	ox bel	ow at t	he righ
					TOTA	AL PO	INT V	VALUI	E FOR	PAR'	Т 2:	0	(max	= 100)

			Permit #:	LA0048941
D.	Other Monitoring and Lim	iitations		
i.	At any time in the past year pollutants such as: ammon coliform?			a permit limit for other tal residual chlorine, or fecal
	$\vee$ Check one box.	Yes	X No	If Yes, Please describe:
ii.	At any time in the past year Toxicity) test of the effluence		"failure" of a Bior	monitoring (Whole Effluent
	√ Check one box.	Yes	X No	If Yes, Please describe:
iii.	At any time in the past year substance?	ır was there aı	n exceedance of a	permit limit for a toxic
	√ Check one box.	Yes	X No	If Yes, Please describe:

### PART 3: AGE OF THE WASTEWATER TREATMENT FACILITY

	Current Year -	Answer to A	=	Age in years
	2012	See Above	_	#1=36yrs, #2=28, #3=21
Enter A	ge in Part C below.			
√ Checl	k the type of treatment fac	ility that is employ	ed.	
				FACTOR:
X	Mechanical Treatme (trickling filter, active sludge, etc) Specify Type:			2.5
	Aerated Lagoon			2.0
	Stabilization Pond			1.5
	Other Specify Type:			1.0
	y the factor listed next to the facility to determine the to			mmunity employs by the age

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.

Age

Permit #: [LAUU48941	Permit #:	LA0048941
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### PART 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:
	✓ Check one box. $\boxed{\times}$ 0 = 0 points $\boxed{\hspace{0.5cm}}$ 3 = 15 points $\boxed{\hspace{0.5cm}}$ 4 = 30 points $\boxed{\hspace{0.5cm}}$ 2 = 10 points $\boxed{\hspace{0.5cm}}$ 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:
	$\sqrt{\text{Check one box.}}$ $$ $$ $\sqrt{\text{Check one box.}}$ $$ $$ $\sqrt{\text{Check one box.}}$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$
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
С.	Specify whether the bypasses came from the city/village/town sewer system or from contract or tributary communities/sanitary districts, etc
Э.	Add the point values checked for A and B and place the total in the box below.
	<b>TOTAL POINT VALUE FOR PART 4:</b> $0$ (max = 100)
	Also enter this value or 100, whichever is less, on the point calculation table on page 16.
Ξ.	List the person responsible (name and title) for reporting overflows, bypasses or unpermitted discharges to State and Federal authorities:
	Tim Brown, Glenn Daughdrill or Greg Gorden
	Describe the procedure for gathering, compiling and reporting:
	Online Reporting to DEO, follow-up written letter

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Permit #:	LA0048941

#### PART 5: SLUDGE STORAGE AND DISPOSAL SITES

Α.	Chidaa	Storage
Α.	Sindse	Sicrage

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.

 months
 <2</th>
 2
 3
 4-5
 >6

 points
 50
 30
 20
 10
 0

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.

months <2 6-11 12-23 24-35 >36 points 50 30 20 10 0

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.

Permit #:	LA0048941
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PAF	T 6: NEW DEVE	OPMENT		
<b>A.</b>	Please provide the followere installed during the		or the total of all sewer line	extensions which
	Design Population:	N/A	<u></u>	
	Design Flow:	N/A	MGD	
	Design BOD:	N/A	mg/l	
В.		at either flow or pol	ved into the community or ellutant loadings to the sewer	
	$\sqrt{\text{Check one box}}$ .	$\square$ Yes = 15 p	points $X$ No = 0 poi	nts
	If Yes, Please describe:			
		NO		
	List any new pollutants			
		N/A		
C.			ercial or residential) anticip loadings to the sewerage sy	
	$\sqrt{\text{Check one box.}}$	$ Yes = 15  {p}$	points $X$ No = 0 poi	nts
	If Yes, Please describe:			
	Apartment Complex = 40	Units total, partially co	ompleted at this time	
	List any new pollutants	you anticipate:		
	,			
D.	Add together the point	value checked in B a	and C and place the sum in	the box below.
		TOTAL POINT	Γ VALUE FOR PART 6:	0 (max = 30)

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

### PART 7: OPERATOR CERTIFICATION AND EDUCATION

A.	What was the name of the operator-in-charge for the reporting year?		
		Name:	Glenn Daughdrill
В.	What is his or her certif		13-081
C.	What level of certificat wastewater treatment fa		required to have to operate the
D.	What is the level of cer	tification of the operator-in-o	
Σ.	what is the level of cer	Level Certified:	-
Е.	Was the operator-in-charequired in order to ope	arge of the report year certifi	ed at least at the grade level
	$\sqrt{\text{Check one box}}$ .	X Yes = 0 points	$\square$ No = 50 points
	Wri	te 0 or 50 in the E point total	box 0 E Point Total
F.	Has the operator-in-chayear?	rge maintained recertification	n requirements during the reporting
	$\sqrt{\text{Check one box}}$ .	X Yes	No
G.	How many hours of corlast two calendar years		perator-in-charge completed over the
	$\sqrt{\text{Check one box}}$ .	X > 12 hours = 0 points	1 < 12  hours  = 50  points
	Wri	te 0 or 50 in the G point total	box 0 G Point Total
Н.	Is there a written policy treatment plant employe		tion an training for wastewater
	$\sqrt{\text{Check one box}}$ .	X Yes	No
	Explain:	Budget allocated and train	ning schedule set at beginning of each yea
I.	What percentage of the paid for:	continuing education expen	ses of the operator-in-charge were
	By the permittee?	100 By t	he operator?0%
J.	Add together the E and	G point values and place the	sum in the box below at the right.
		TOTAL POINT VALU	<b>E FOR PART 7:</b> $0$ (max = 100)

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

Permit #:	LA0048941

Are User-Charge Rever				_
√ Check one box.	X Yes	No No	If No, How a	re O&M costs finan
What financial resource		available to	pay for your wa	astewater improvem
What financial resource and reconstruction need		available to	pay for your wa	astewater improvem
		available to	pay for your wa	astewater improvem

Permit #: LA0048941

PAt	CT 9: SUBJECTIVE EVALUATION		
<b>A.</b>	Collection System Maintenance		
i.	Describe what sewer system maintenance work has been done in t	he last year.	
	General maintenance (smoking & camera). Less that of collection system has needed repair.	n 1%	
ii.	Describe what lift station work has been done in the last year.		
	General maintenancepumps replaced as needed. Typically burnt up due to clogging.		
iii.	What collection system improvements does the community have us the next 5 years?	ınder constru	ction for
	Lift stations will be renovated. Submersible pumps v be installed and above ground pumps removed. Electronic panels will be upgraded accordingly.		
В.	If you have ponds please answer the following questions: <b>N/A</b>	√ Check o	ne box.
i. ii.	Do you have duckweed buildup in the ponds? Do you mow the dikes regularly (at least monthly), to the waters edge?	Yes Yes	☐ No ☐ No
iii.	Do you have bushes or trees growing on the dikes or in the ponds?	☐ Yes	□ No
iv.	Do you have excess sludge buildup (> 1foot) on the bottom of any of your ponds?	Yes	☐ No
v. vi.	Do you exercise all of your valves? Are your control manholes in good structural shape?	Yes Yes	No No
vii. viii.	Do you maintain at least 3 feet of freeboard in all of your ponds?  Do you visit your pond system at least weekly?	Yes Yes	No No

	Permit #: LA0048941
C.	Treatment Plants
i.	Have the influent and effluent flow meters been calibrated in the last year?
	X Yes
	N/A January 24, 2012
	Influent flow meter calibration date(s)  Effluent flow meter calibration date(s)
ii.	What problems, if any, have been experienced over the last year that have threatened treatment?
	NONE
iii.	Is your community presently involved in formal planning for treatment facility upgrade?
	$\sqrt{\text{Check one box.}}$ Yes $\boxed{\chi}$ No If Yes, Please describe:

			Perm	it #: LA0048941	
D.	Preventive Maintenance				
i.	Does your plant have a written plan for preventive maintenance on major equipment items?				
	√ Check one box.	X Yes	☐ No	If Yes, Please describe:	
ii.	Does this preventive maintenance program depict frequency of intervals, types of lubrication and other preventive maintenance tasks necessary for each piece of equipment?				
		X Yes	No No		
iii.	Are these preventive maintenance tasks, as well as equipment problems, being recorded and filed so future maintenance problems can be assured properly?				
		X Yes	☐ No		
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?				
	$\lor$ 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?				
	√ Check one box.	Yes	☐ No	If Yes, Please describe:	
		N/A			
iii.	Any additional comments about your treatment plant or collection system? (Attach additional sheets if necessary.)				
	Within the next five years, design of a new Plant #1 will be completed.  Funding for construction received. It is a long term goal to construct an entirely new 1.0MGD capacity sewer treatment plant, including an Equalization Basin for pre-aeration and surge control.				

Permit #: LA0048941

### POINT CALCULATION TABLE

	<b>Actual Values</b>	Maximum
Part 1: Influent Flow/Loadings	0	80 points
Part 2: Effluent Quality / Plant Performance	0	100 points
Part 3: Age of WWTF	50	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:

90 = Acceptable

### **ATTACHMENT - RESOLUTION**

#### ST. TAMMANY PARISH MWPP RESOLUTION

Resolved that the village/town/city of <u>Cross Gates</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 ATTACHED).
- Set forth the following actions necessary to maintain permit requirements contained in the Louisiana Pollution Discharge Elimination System (LPDES) permit, number LA\_0048491

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

- a. Continue long term capital planning and budgeting for a replacement treatment unit of Plant #1, the oldest unit. Begin design schematics.
- b. Continue long term capital planning and budgeting for the installation of a new Equalization Basin. Begin design schematics.

c.

d.		
etc		
Passed by a majority	v/unanimous (circle one) vote of the _	
on	(date).	
		CLERK

