#### ST. TAMMANY PARISH COUNCIL

#### RESOLUTION

**RESOLUTION COUNCIL SERIES NO: C-6433** 

COUNCIL SPONSOR: LORINO/COOPER PROVIDED BY: ENVIRONMENTAL SERVICES/CIVIL DIVISION ADA

RESOLUTION TO ACKNOWLEDGE THE RECEIPT AND REVIEW OF THE 2020 MUNICIPAL WATER POLLUTION PREVENTION ENVIRONMENTAL AUDIT REPORT FOR THE PREFERRED EQUITIES SEWAGE TREATMENT FACILITY (WARD 4, DISTRICT 5)

WHEREAS, St. Tammany Parish Government owns and operates the Preferred Equities Sewage Treatment Facility; and

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

WHEREAS, as part of Other Conditions, Section H of LPDES permit LA0117439, the Parish Government must complete an annual Environmental Audit Report for the life of the permit, and a copy of the Environmental Audit Report is attached hereto.

THE PARISH OF ST. TAMMANY HEREBY RESOLVES that the St. Tammany Parish Council acknowledges the receipt of the 2020 Municipal Water Pollution Prevention Environmental Audit Report for the Preferred Equities Sewage Treatment Facility and its finding that compliance is being achieved. Planning in future years for the expansion of the treatment plant to accommodate growth in the area will be necessary.

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  $\underline{1}$  DAY OF  $\underline{APRIL}$ , 2021, AT A REGULAR MEETING OF THE PARISH COUNCIL, A QUORUM OF THE MEMBERS BEING PRESENT AND VOTING.

MICHAEL D. LODINO, ID. COUNCIL CHAIDMAN

MICHAEL R. LORINO, JR., COUNCIL CHAIRMAN

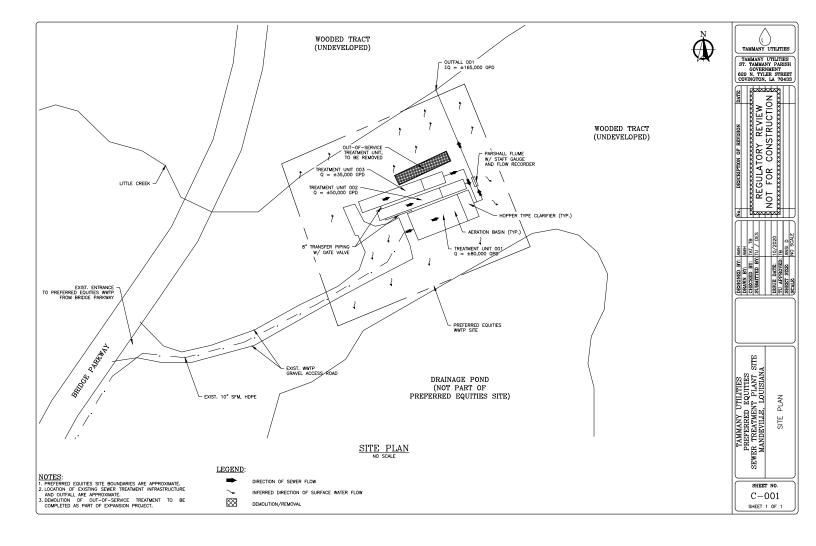
ATTEST:

KATRINA L. BUCKLEY, COUNCIL CLERK

#### **Resolution Administrative Comment**

RESOLUTION TO ACKNOWLEDGE THE RECEIPT AND REVIEW OF THE 2020 MUNICIPAL WATER POLLUTION PREVENTION ENVIRONMENTAL AUDIT REPORT FOR THE PREFERRED EQUITIES WASTEWATER TREATMENT FACILITY (DISTRICT 5, WARD 4).

Pursuant to the permit authorizing effluent discharge, this Resolution is required to acknowledge the Environmental Audit and identify any compliance actions to be taken. Planning for expansion of the facility will be necessary to accommodate new development flows.



## **LOUISIANA**

# MUNICIPAL WATER POLLUTION PREVENTION

## **MWPP**



Facility Name:	Preferred Equities Sewage Treatment Facility
LPDES Permit Number:	LA0117439
Agency Interest (AI) Number:	19919
Address:	P. O. Box 628 Covington, LA 70434
	Preferred Equities Sewer Treatment Location: Commerce Blvd, Abita Springs, LA
Parish:	St. Tammany
(Person Completing Form) Name:	Tim Brown
Title:	Department of Environmental Services Director
Date Completed:	January 2020 - December 2020

## **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)

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)
0.068	X	135	<b>x</b> 8.34 =	76.5
0.068	X	214	<b>x</b> 8.34 =	121.3
0.068	X	258	<b>x</b> 8.34 =	146.3
0.068	X	236	<b>x</b> 8.34 =	133.8
0.068	X	272	<b>x</b> 8.34 =	154.2
0.068	X	136	<b>x</b> 8.34 =	77.1
0.068	X	55	<b>x</b> 8.34 =	31.1
0.068	X	138	<b>x</b> 8.34 =	78.2
0.068	X	70	<b>x</b> 8.34 =	39.6
0.068	X	152	<b>x</b> 8.34 =	86.2
0.066	X	444	<b>x</b> 8.34 =	244.3
0.068	X	123	<b>x</b> 8.34 =	69.7

<sup>\*\*</sup>all influent data is BOD not CBOD

В. 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:	0.080 MGD	<b>x</b> 0.90 =	0.072
Design CBOD, lb/day:	365	<b>x</b> 0.90 =	329

								Per	mit #:	LA0	1174	439		
С.	(WWT	F) exc	eed 90	did the )% of do	esign f	low? (	Circle t	he num	ber of	months				
	months	0	1	2	3	4	5	6	7	8	9	10	11	12
	points	0	0	2	0	0	5	5	5	5	5	5	5	5
						Wri	te 0 or	5 in the	e C poi	nt total	box	0	C Poin	t Total
D.		the nur	nber o	did the of month										
	months	0	1	2 5	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	e 0, 5,	10 or 1	5 in the	e D poi	nt total	box	0	D Poir	ıt Total
E.	of the	design	loadir	did the ng? Circle box be	ele the	numbe	er of mo							
	months	0	1	2	3	4	5	6	7	8	9	10	11	12
	points	0	0	2 5	5	5	10	10	10	10	10	10	10	10
					V	Write 0	, 5,or 1	0 in the	e E poi	nt total	box	0	E Poin	t Total
F.	design	loadin	g? Ci	did the rcle the x below	numbe	er of m								2
	months	0	1	2	3	4	5	6	7	8	9	10	11	12
	points	0	10	20	30	40	50	6 50	50	50	50	50	50	50
				Write (	0, 10, 2	20, 30,	40 or 5	0 in the	e F poi	nt total	box	0	F Poin	t Total
G.	Add to	gether	each 1	point to	tal for	C throu	ıgh F a	nd plac	e this s	sum in	the bo	x below	at the	right.
					TO	TAL P	OINT	VALU	E FOI	R PAR	Т 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 2020	2	2
February 2020	2	1
March 2020	4	3
April 2020	3	12
May 2020	3	4
June 2020	3	4
July 2020	4	3
August 2020	5	5
September 2020	5	3
October 2020	3	7
November 2020	3	5
December 2020	2	5

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

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

								Per	mit #:	LA0	1174	139		
C.	Continu	uous D	ischarg	e to Su	ırface '	Water.			<u> </u>					
i.	How m Circle t the box	he nun	nber of	month			•				•			
	months points	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
				Wı	rite 0, 1	10, 20,	30 or 4	40 in th	ie i poir	nt total	box	0	i Poin	t Total
ii.	How m number at the r	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
iii.	How m	anv mo	onths d	id the e					e ii poir				]	nt Total
	Circle t	he nun	nber of	month							_			
	months	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
	_			Writ	e 0, 10	), 20, 3	0 or 40	) in the	iii poir	ıt total	box	0	iii Poi	nt Tota
iv.	How m number at the r	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
	_				$\mathbf{W}_{1}$	rite 0, 5	5, or 10	) in the	iv poir	nt total	box	0	iv Poi	nt Tota
v.	Add to	gether (	each po	oint tota		_		-	e this si			below 0	1	right. = 100)

	Permit #: LA0117439
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?
	√ Check one box. Yes No If Yes, Please describe:
ii.	At any time in the past year was there a "failure" of a Biomonitoring (Whole Effluent Toxicity) test of the effluent?
	√ Check one box.
	N/A - biomonitoring not required for this facility.
iii.	At any time in the past year was there an exceedance of a permit limit for a toxic substance?
	√ Check one box.  Yes X No If Yes, Please describe:

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

A.	What year was the wastewater improvements completed?	tro	2001 Original Constr	uction		
	Current Year	-	Answer to A	=	Age in years	
	2020		2020 2001 & 2008		19 & 12	

Enter Age in Part C below.

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

		FACTOR:
X	Mechanical Treatment Plant (trickling filter, activated sludge, etc)	2.5
	Specify Type: Return activated sludge	<del>_</del>
	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 =** 

$$\frac{2.5}{Factor}$$
 x  $\frac{19\& 12}{Age}$  =  $38.75$  (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.

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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:
	discharge of untreated of incompletely treated wastewater due to neavy rain: $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
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
B. 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:
	3
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: 3 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
	TU system * 1 caused by power outage due to Hurricane Zeta
D.	Add the point values checked for A and B and place the total in the box below.
	TOTAL POINT VALUE FOR PART 4: 15 (max = 100) Also enter this value or 100, whichever is less, on the point calculation table on page 16.
E.	List the person responsible (name and title) for reporting overflows, bypasses or unpermitted discharges to State and Federal authorities:
	Tim Brown, Director - Dept of Environmental Services
	Describe the procedure for gathering, compiling and reporting:
	SSO response and reporting per TU Sewer Treatment and Collection Systems SOP

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

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

 points
 50
 30

 3
 4-5
 >6

 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</th>
 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.

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### PART 6: NEW DEVELOPMENT

Design Population:	N/A			
Design Flow:	N/A	MGD		
Design BOD:	N/A	mg/l		
Has an industry (or oth in the past year, such the significantly increased	hat either flow	or pollutant load		
√ Check one box.	Yes	s = 15 points	X No = 0 point	nts
If Yes, Please describe	?:			
T :-4 1144				
List any new pollutant				
List any new pollutant	S:	Δ		
List any new pollutant		Δ.		
Is there any developme 2-3 years, such that eit	IN/F ent (industrial, o	commercial or re		
Is there any developme 2-3 years, such that eit significantly increase?	ent (industrial, other flow or pol	commercial or re		em could
Is there any developme 2-3 years, such that eit significantly increase?	ent (industrial, other flow or pol	commercial or re lutant loadings to	the sewerage syst	em could
Is there any developme 2-3 years, such that eit significantly increase?	ent (industrial, other flow or pol	commercial or re lutant loadings to	the sewerage syst	em could
List any new pollutant.  Is there any developme 2-3 years, such that eit significantly increase?  √ Check one box.  If Yes, Please describe  Dove Park Estates - new development.	ent (industrial, other flow or pol	commercial or re lutant loadings to = 15 points	the sewerage syst	em could
Is there any developme 2-3 years, such that eit significantly increase?  √ Check one box.  If Yes, Please describe  Dove Park Estates - new development	ent (industrial, other flow or pol	commercial or re lutant loadings to = 15 points	the sewerage syst	em could
Is there any developme 2-3 years, such that eit significantly increase?  √ Check one box.  If Yes, Please describe  Dove Park Estates - new development of the property of th	ent (industrial, other flow or pol	commercial or relutant loadings to $s=15$ points	the sewerage syst	em could
Is there any developme 2-3 years, such that eit significantly increase?  √ Check one box.  If Yes, Please describe  Dove Park Estates - new development of the properties of	ent (industrial, other flow or pole)  Yes  popment consisting of apacity needs.  s you anticipate	commercial or relutant loadings to $s = 15 \text{ points}$ 85 lots. The WWTP ha	the sewerage syst  No = 0 points  s been expanded & upgra	em could
Is there any developme 2-3 years, such that eit significantly increase?  √ Check one box.  If Yes, Please describe  Dove Park Estates - new development of the properties of	ent (industrial, other flow or pole)  Yes  popment consisting of apacity needs.  s you anticipate	commercial or relutant loadings to $s=15$ points	the sewerage syst  No = 0 points  s been expanded & upgra	em could
Is there any developme 2-3 years, such that eit significantly increase?  √ Check one box.  If Yes, Please describe  Dove Park Estates - new development of the properties of	ent (industrial, other flow or pole)  Yes  popment consisting of apacity needs.  s you anticipate	commercial or relutant loadings to $s = 15 \text{ points}$ 85 lots. The WWTP ha	the sewerage syst  No = 0 points  s been expanded & upgra	em could

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

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## PART 7: OPERATOR CERTIFICATION AND EDUCATION

A.	What was the name of the	ne operator-in-charge fo	or the reporting year?	
		Name:	Glenn Daughdril	1
В.	What is his or her certifi		1158	
C.	What level of certification wastewater treatment far			operate the
D.	What is the level of cert	•		
υ.	What is the level of eet	Level Certified:	C	
E.	Was the operator-in-cha required in order to oper	rge of the report year co		ade level
	√ Check one box.	X Yes = 0 point	s No	= 50 points
	Wi	rite 0 or 50 in the E poi	nt total box 0 E F	Point Total
F.	Has the operator-in-charyear?	ge maintained recertific	eation requirements duri	ing the reporting
	√ Check one box.	X Yes	☐ No	
G.	How many hours of con last two calendar years?	tinuing education has th	ne operator-in-charge co	mpleted over the
	$\sqrt{\text{Check one box.}}$	$\boxed{X}$ > 12 hours =	0 points	2 hours = 50 points
	Wı	rite 0 or 50 in the G poin	nt total box 0 G I	Point Total
Н.	Is there a written policy treatment plant employe		lucation an training for	wastewater
	$\sqrt{\text{Check one box.}}$	X Yes	☐ No	
	Explain: Buc	lget allocated and traini	ng schedule set at begin	ning of each year
I.	What percentage of the paid for:	· ·	•	
	By the permittee?	100	By the operator?	0%
J.	Add together the E and	G point values and plac	e the sum in the box bel	ow at the right.
		TOTAL POINT	VALUE FOR PART 7	$(\max = 100)$

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

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## PART 8: FINANCIAL STATUS

Are U	Jser-Charge Reven	ues sufficient to	cover opera	tion and maintenance expenses?	
√ Che	eck one box.	X Yes	No No	If No, How are O&M costs financed	?
	financial resource		vailable to pa	ay for your wastewater improvements	
	econstruction need				
	econstruction need Revenue g	s?			

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1 CIIIII II.	LA011/437

## PART 9: SUBJECTIVE EVALUATION

<b>A.</b>	Collection System Maintenance			
i.	Describe what sewer system maintenance work has been done	in the	last year.	
	General maintenance (smoking & camera). Less collection system has needed repair. Force Main relieve gravity lines. FM now runs directly to pl	ı re-roı		
ii.	Describe what lift station work has been done in the last year.			
	General maintenancepumps replaced as neede up due to clogging. New electrical panel installe L/S. Commerce L/S upgraded			
iii.	What collection system improvements does the community ha the next 5 years?	ve und	er constructi	on for
	No collection system projects currently scheduled or p Treatment plant has been increased to 0.165 MGD - e an 0.500MGD unit to serve future needs & growth in	ventual	ly to	
В.	If you have ponds please answer the following questions:	N/A	√ Check or	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. v. vi.	Do you have excess sludge buildup (> Ifoot) on the bottom of any of your ponds? Do you exercise all of your valves? Are your control manholes in good structural shape?		Yes Yes Yes	No 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

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•	Treatment Plants
	Have the influent and effluent flow meters been calibrated in the last year?
	X Yes  No (√ Check one box.)
	$\frac{\text{N/A}}{\text{Influent flow meter calibration date(s)}}$ Flow meter installed 10/21 Effluent flow meter calibration date(s)
i.	What problems, if any, have been experienced over the last year that have threatened treatment?
	NONE
i.	Is your community presently involved in formal planning for treatment facility upgrade?

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D.	Preventive Maintenance		
i.	Does your plant have a written plan for preventive maintenance on major equipment items?		
	$\vee$ Check one box. $\boxed{X}$ Yes $\boxed{\ }$ No $\qquad$ If Yes, Please describe:		
	As per manufacturer directives in O&M manual and TU SOPs.		
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?  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?		
	√ 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.		
	N/A		
iii.	Any additional comments about your treatment plant or collection system? (Attach additional sheets if necessary.)		

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## 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	38.8	50 points
Part 4: Overflows and Bypasses	15	100 points
Part 5: Ultimate Disposition of Sludge	40	100 points
Part 6: New Development	15	30 points
Part 7: Operator Certification Training	0	100 points

TOTAL POINTS:

