#### ST. TAMMANY PARISH COUNCIL

#### RESOLUTION

**RESOLUTION COUNCIL SERIES NO: C-6606** 

KATRINA L. BUCKLEY, COUNCIL CLERK

COUNCIL SPONSOR: BINDER/COOPER PROVIDED BY: UTILITIES/CIVIL DIVISION ADA

RESOLUTION TO ACKNOWLEDGE THE RECEIPT AND REVIEW OF THE 2021 MUNICIPAL WATER POLLUTION PREVENTION ENVIRONMENTAL AUDIT REPORT FOR THE HIGHWAY 22 SEWAGE TREATMENT FACILITY (WARD 4, DISTRICT 4)

WHEREAS, St. Tammany Parish Government owns and operates the Highway 22 Sewage Treatment Facility; and

WHEREAS, the Louisiana Pollutant Discharge Elimination System (LPDES) permit which authorized effluent discharge from the Highway 22 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 LA0117676 (effective 11/1/16), 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 2021 Municipal Water Pollution Prevention Environmental Audit Report for the Highway 22 Sewage Treatment Facility and its finding that no actions are necessary at this time to maintain compliance.

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

MOVED FOR ADOPTION BY:	SECONDED BY:
YEAS:	
NAYS:	
ABSTAIN:	
ABSENT:	
	ED ADOPTED ON THE <u>5</u> DAY OF <u>MAY</u> , 2022, AT CH COUNCIL, A QUORUM OF THE MEMBERS BEING
	JERRY BINDER, COUNCIL CHAIRMAN
ATTEST:	

## **LOUISIANA**

# MUNICIPAL WATER POLLUTION PREVENTION

#### **MWPP**



	Highway 22 Sewage	1 reatment
Facility Name:	Facility	

LPDES Permit Number: LA0117676

Agency Interest (AI) Number: 43293

P. O. Box 628 Address: Covington, LA 70434

> Physical Location: South side of Hwy 22, 1 mile East of Tchefuncte River, Madisonville, LA

Parish: St. Tammany

(Person Completing Form) Name: Christopher Tissue

Appointed Director,

Title: Department of Utilities

Date Completed: January 2021 - December 2021

### **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 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)
0.165	X	246	<b>x</b> 8.34 =	338.5
0.186	X	182	<b>x</b> 8.34 =	282.3
0.186	X	205	<b>x</b> 8.34 =	318
0.215	X	169	<b>x</b> 8.34 =	303
0.226	X	191	<b>x</b> 8.34 =	360
0.227	X	124	<b>x</b> 8.34 =	234.7
0.219	X	73	<b>x</b> 8.34 =	133.3
0.193	X	*	<b>x</b> 8.34 =	*
0.192	X	**	<b>x</b> 8.34 =	**
0.181	X	145	<b>x</b> 8.34 =	218.9
0.173	X	257	<b>x</b> 8.34 =	370.8
0.177	X	***	<b>x</b> 8.34 =	***

<sup>\*</sup>August samples were taken but unable to be analzyed by lab due to Hurricane Ida.

B. 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:	0.5	<b>x</b> 0.90 =	0.45
Design BOD, lb/day:	1043	<b>x</b> 0.90 =	938

<sup>\*\*</sup>September samples were not taken due to Hurricane Ida.

<sup>\*\*\*</sup>December samples were not taken due to significant absences resulting from COVID.

	Permit #: LA0117676
C.	How many months did the monthly flow (Column 1) to the wastewater treatment facility (WWTF) exceed 90% of design flow? Circle the number of months and the corresponding

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

point total. Write the point total in the box below at the right.

Write 0 or 5 in the C point total box 0 C Point Total

**D.** How many months did the monthly flow (Column 1) to the WWTF exceed the design flow? Circle the number of months and 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	5	5	10	10	15	15	15	15	15	15	15	15

Write 0, 5, 10 or 15 in the D point total box 0 D Point Total

E. How many months did the monthly BOD 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

Write 0, 5, or 10 in the E point total box 0 E Point Total

**F.** How many months did the monthly BOD 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  points	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

Write 0, 10, 20, 30, 40 or 50 in the F point total box 0 F Point Total

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

**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 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)
January 2021	6	2
February 2021	4	11
March 2021	3	1
April 2021	2	5
May 2021	4	2
June 2021	3	2
July 2021	5	2
August 2021	5	1
September 2021	3	2
October 2021	2	1
November 2021	5	2
December 2021	5	1

**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			

							Peri	mit #:	LAC	117	676		
C.	Continuous D	ischar	ge to S	Surface	Water	r.		L					
i.	How many mo Circle the num the box below	nber o	f mont								_		
	months 0 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
			Wri	te 0, 10	0, 20, 3	30 or 4	0 in the	e i poir	ıt total	box	0	i Poin	t Total
ii.	How many monumber of monat the right.					`	,		•				
	months 0 points 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
				Wı	rite 0, 5	5, or 10	) in the	ii poir	ıt total	box	0	ii Poir	nt Total
iii.	How many moderate the number of the box below	nber o	f mont								-		
	months 0 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
			Write	0, 10,	20, 30	or 40	in the	iii poir	ıt total	box	0	iii Poi	nt Total
iv.	How many months did the effluent TSS (Column 2) 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 points 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
				Wr	ite 0, 5	, or 10	in the	iv poir	ıt total	box	0	iv Poi	nt Total

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

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

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

Permit #:	LA0117676	

	Permit #:   LA011/6/6
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?
	$\vee$ Check one box. $\square$ Yes $\square$ 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?
	$\sqrt{\text{Check one box.}}$ Yes $\boxed{\mathbf{X}}$ No If Yes, Please describe:
	This facility does not require Biomonitoring as per the LPDES permit.
iii.	At any time in the past year was there an exceedance of a permit limit for a toxic substance?
	√ Check one box.

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

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

1997 Original Construction; 2005 Expansion / Upgrade

Enter Age in Part C below.

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

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

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:
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:
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: 13 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
	All SSO from Dept. of Utilities collection system; 10 caused by power loss due to Hurricane IDA
D.	Add the point values checked for A and B and place the total in the box below.
	TOTAL POINT VALUE FOR PART 4: $50$ (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:
	Christopher Tissue, Appointed Director - Dept. of Utilities
	Describe the procedure for gathering, compiling and reporting:
	SSO response and reporting per Dept. of Utilities Sewer Treatment and Collection Systems SOP

#### 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.

 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 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	
	hat either flow or		he community or expanded produ dings to the sewerage system we
√ Check one box.	Yes = 1	15 points	X No = 0 points
If Yes, Please describe	:		
	No		
List any new pollutant	s: N/A		
2-3 years, such that eit	N/A ent (industrial, conher flow or pollut		residential) anticipated in the nex to the sewerage system could
Is there any developme	N/A ent (industrial, conher flow or pollut		
Is there any developme 2-3 years, such that eit significantly increase?	N/A ent (industrial, conher flow or pollut  X Yes = 1	tant loadings	to the sewerage system could
Is there any developme 2-3 years, such that eit significantly increase? √ Check one box.	N/A ent (industrial, conher flow or pollut  X Yes = 1	tant loadings	to the sewerage system could
Is there any developme 2-3 years, such that eit significantly increase?  √ Check one box.  If Yes, Please describe	N/A ent (industrial, conher flow or pollut  X Yes = 1	tant loadings	to the sewerage system could
Is there any developme 2-3 years, such that eit significantly increase?  √ Check one box.  If Yes, Please describe Hunter's Haven - proportion	N/A ent (industrial, conher flow or pollut  X Yes = 1	tant loadings	to the sewerage system could

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

**TOTAL POINT VALUE FOR PART 6:** 15 (max = 30)

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### PART 7: OPERATOR CERTIFICATION AND EDUCATION

What was the name of the operator-in-charge for the reporting year?
Name: Glenn Daughdrill
What is his or her certification number:  **Cert.#: 1158**
What level of certification is the operator-in-charge required to have to operate the wastewater treatment facility?
Level Required: III
What is the level of certification of the operator-in-charge?
Level Certified: IV
Was the operator-in-charge of the report year certified at least at the grade level required in order to operate this plant?
$\sqrt{\text{Check one box.}}$ Yes = 0 points $$ No = 50 points
Write 0 or 50 in the E point total box $0$ E Point Total
Has the operator-in-charge maintained recertification requirements during the reporting year?
√ Check one box.
How many hours of continuing education has the operator-in-charge completed over the last two calendar years?
$\sqrt{\text{Check one box.}}$ $\boxed{X}$ > 12 hours = 0 points $$ < 12 hours = 50 points
Write 0 or 50 in the G point total box 0 G Point Total
Is there a written policy regarding continuing education an training for wastewater treatment plant employees?
$\sqrt{\text{Check one box.}}$ Yes $\square$ No
Explain: Budget allocated and training schedule set at beginning of each year
What percentage of the continuing education expenses of the operator-in-charge were paid for:
By the permittee? 100 By the operator? 0%
Add together the E and G point values and place the sum in the box below at the right.
TOTAL POINT VALUE FOR PART 7: 0 (max = 10)

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### PART 8: FINANCIAL STATUS

Α.	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?
В.	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.

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### PART 9: SUBJECTIVE EVALUATION

Α.	Collection System Maintenance				
i.	Describe what sewer system maintenance work has been done in the last year.				
	General maintenance (smoking & camera). Less the system has needed repair.	nan 1% of collection			
ii.	Describe what lift station work has been done in the last year.				
	General maintenancepumps replaced as needed. Typically burnt up due to clogging. New electrical at Mandeville Lake apts. L/S.	panel			
iii.	What collection system improvements does the community have the next 5 years?	under construction for			
	Lift stations will be renovated as necessary. Electr panels will be upgraded accordingly.	ical			
B.	If you have ponds please answer the following questions: N/A	√ Check one box.			
i. ii.	Do you have duckweed buildup in the ponds? Do you mow the dikes regularly (at least monthly), to the	Yes No			
iii.	waters edge?  Do you have bushes or trees growing on the dikes or in the ponds?	Yes No			
iv. v.	Do you have excess sludge buildup (> Ifoot) on the bottom of any of your ponds? Do you exercise all of your valves?	Yes No			
vi. vii.	Are your control manholes in good structural shape?  Do you maintain at least 3 feet of freeboard in all of your	Yes No			
wiii	ponds?  Do you visit your pond system at least weekly?	Yes No			

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een calibrated in the last year?	
x.)	

Have the influent and effluent flow meters be X Yes No (√ Check one box May 26, 2021 *Influent flow meter calibration date(s)* Effluent flow meter calibration date(s) 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 X No If Yes, Please describe:

C.

i.

**Treatment Plants** 

			Permit #:	LA0117676			
D.	Preventive Maintenance						
i.	Does your plant have a written p items?	Does your plant have a written plan for preventive maintenance on major equipment items?					
	$\sqrt{\text{Check one box.}}$	Yes	☐ No	If Yes, Please describe:			
	As per manufacturer direc	As per manufacturer directives in O&M manual, and Dept. of Utilities SOP					
ii.	lubrication and other preventive equipment?	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				
iii.	Are these preventive maintenance recorded and filed so future main						
	X	Yes	No No				
<b>E.</b>	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. X	Yes	☐ No	If Yes, Please describe:			
	systems of parish is the sewer use or	St. Tammany Parish Ordinance Sec. 40-301 - <i>Wastewater standards prior to entering collection systems of parish</i> is the sewer use ordinance that limits the conventional pollutants that can be discharged into the Parish wastewater collection systems by industrial and light industrial customers.					
ii.	Has it been necessary to enforce	?					
	√ Check one box.	Yes	X No	If Yes, Please describe:			
iii.	Any additional comments about additional sheets if necessary.)	your tre	atment plant or co	ollection system? (Attach			

### 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	50	50 points
Part 4: Overflows and Bypasses	50	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:	155.0	

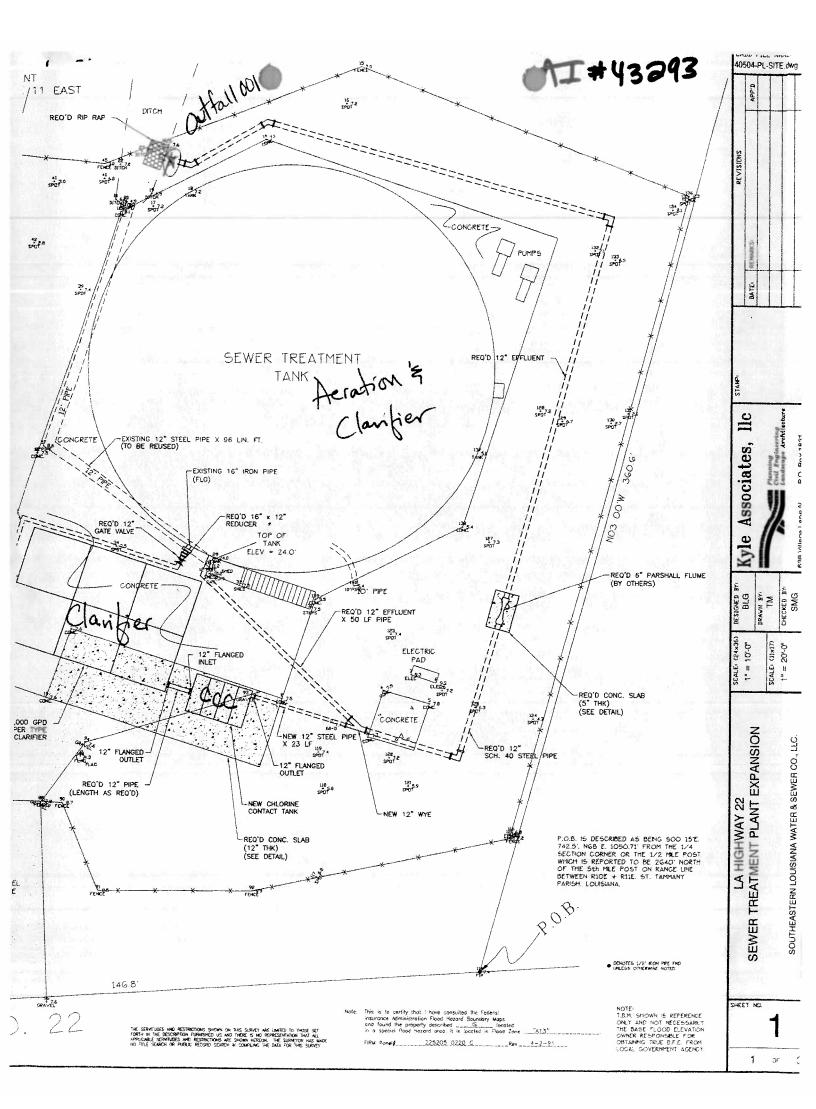
### **ATTACHMENT - RESOLUTION**

#### ST. TAMMANY PARISH MWPP RESOLUTION

Resolved that the village/town/city of <u>Highway 22 WWTP</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 actions are necessary at this time to maintain compliance

,	be specific in listing the actions that will be d in the audit report.)	taken to address the problems
a.		
b.		
c.		
d.		
etc		
Passed by a ma	njority/unanimous (circle one) vote of the	
on	(date).	
		CLERK



#### **Resolution Administrative Comment**

RESOLUTION TO ACKNOWLEDGE THE RECEIPT AND REVIEW OF THE 2021 MUNICIPAL WATER POLLUTION PREVENTION ENVIRONMENTAL AUDIT REPORT FOR THE HIGHWAY 22 WASTEWATER TREATMENT FACILITY (WARD 4, DISTRICT 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. No actions are necessary at this time to maintain compliance.