#### ST. TAMMANY PARISH COUNCIL

#### RESOLUTION

#### RESOLUTION COUNCIL SERIES NO: C-6610

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 AUTUMN WIND SEWAGE TREATMENT FACILITY (WARD 4, DISTRICT 7)

WHEREAS, St. Tammany Parish Government owns and operates the Autumn Wind Sewage Treatment Facility; and

WHEREAS, the Louisiana Pollutant Discharge Elimination System (LPDES) permit which authorizes effluent discharge from the Autumn Wind Sewage Treatment Facility mandates the Parish 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 I of LPDES permit LA0127427, 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 Autumn Wind Sewage Treatment Facility and its finding that expansion of this treatment facility is necessary to accommodate growth.

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>, 2022, AT A REGULAR MEETING OF THE PARISH COUNCIL, A QUORUM OF THE MEMBERS BEING PRESENT AND VOTING.

JERRY BINDER, COUNCIL CHAIRMAN

ATTEST:

KATRINA L. BUCKLEY, COUNCIL CLERK

<b>LOUISIANA</b> MUNICIPAL WATER POLLUTION PREVENTION <b>MWPP</b>	DEQ LOUISIANA
Facility Name:	Autumn Wind WWTP
LPDES Permit Number:	LA0127427
Agency Interest (AI) Number:	88008
Address:	P.O. Box 628 Covington, LA 70434
	Physical Location: 22155 Hoffman Rd., Mandeville, LA 70471
Parish:	St. Tammany
(Person Completing Form) Name:	Christopher Tissue
Title:	Appointed Director, 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.

<b>Column 1</b> 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)
0.034	X	183	<b>x</b> 8.34 =	51.9
0.037	X	203	<b>x</b> 8.34 =	62.6
0.037	X	199	<b>x</b> 8.34 =	61.4
0.036	X	202	<b>x</b> 8.34 =	60.6
0.042	X	148	<b>x</b> 8.34 =	51.8
0.054	X	177	<b>x</b> 8.34 =	79.7
0.067	X	203	<b>x</b> 8.34 =	113.4
0.057	X	*	<b>x</b> 8.34 =	*
0.056	X	**	<b>x</b> 8.34 =	**
0.045	X	321	<b>x</b> 8.34 =	120.5
0.042	X	232	<b>x</b> 8.34 =	81.3
0.046	X	***	<b>x</b> 8.34 =	***

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

\*\*September samples were not taken due to Hurricane Ida.

\*\*\*December samples were not taken due to significant absences resulting from COVID.

**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:	0.106	<b>x</b> 0.90 =	0.09
Design BOD, lb/day:	221	<b>x</b> 0.90 =	199

								Peri	<i>mit #</i> :	LAC	)127	427		
C.	(WWI	(F) exc	eed 90	% of		flow?	Circle	umn 1) the nu	to the mber o	waste f mon	water	treatme d the cc		
	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	10 5	5	5
						Write	e 0 or 5	in the	C poin	ıt total	box	0	C Poir	nt Total
D.	<b>D.</b> 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	0	1	2	3	4	5	6	7	8	9	10	11	12
	points	0	5	5	3 10	10	15	15	15	15	15	15	15	15
					Write (	), 5, 1	0 or 15	in the	D poin	t total	box	0	D Poir	nt Total
E.	of the	design	loading	g? Ci		numb	per of n					WTF ex point to		
	months	0	1	2	3	4	5	6	7	8	9	10	11	12
	points	0	0	5	3 5	5	10	10	10	10	10	10	10	10
					Wı	rite 0,	5,or 10	in the	E poin	t total	box	0	E Poir	ıt Total
F.	design	loadin	g? Cir	cle th		er of 1	nonths					WTF ex total. V		
	months	0	1	2	3	4	5	6	7	8	9	10	11	12
	points	0	10	20	3 30	40	50	50	50	50	50	50	50	50
			W	rite 0	, 10, 20	, 30, 4	0 or 50	in the	F poin	t total	box	0	F Poin	t Total
G.	Add to	gether	each p	oint te	otal for	C thro	ough F	and pl	ace this	s sum i	in the	box bel	ow at t	he right.
					TOT	AL PO	DINT V	ALU	E FOR	PAR	Т 1:	0	(max	= 80)
	Al	so ente	er this v	alue o	or 80, w	hiche	ver is l	ess, on	the po	int cal	culation	on table	e on pa	ge 16.
							3							

## 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	2	1.5
February 2021	2	3.5
March 2021	3.2	4.5
April 2021	2.2	1.5
May 2021	2	5
June 2021	3.5	2.5
July 2021	5	4
August 2021	2.5	2
September 2021	4	1.5
October 2021	5.5	10.5
November 2021	3.5	1.5
December 2021	5	3.5

**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

- C. Continuous Discharge to Surface Water.
- How many months did the effluent BOD (Column 1) exceed 90% of the permit limits? i. 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 i point total box 0 i Point Total

ii. How many months did the effluent BOD (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
months points	0	5	5	10	10	10	10	10	10	10	10	10	10

Write 0, 5, or 10 in the ii point total box  $\begin{bmatrix} 0 \\ 0 \end{bmatrix}$  ii Point 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 iii Point Total 0

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 points	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	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)

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

Permit #:	LA0127427
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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?

$\sqrt{\mathbf{Check}}$ one box.	Yes	X 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	X No	If Yes, Please describe:
В	iomonitoring not	required at th	is 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 treatment facility constructed or last major expansion/ improvements completed?

	-			2002	
Current Year	-	Answer to A	=	Age in years	
2021		2002		19	

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)	2.5
	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 =

F

-1

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.

		Permit #:	LA0127427	
PA	RT 4: OVERFLOWS AND	BYPASSES		
A. i.	List the number of times in the last discharge of untreated or incomplet			nitted
	0√ Check one box. [ [	<ul> <li>x 0 = 0 points</li> <li>1 = 5 points</li> <li>2 = 10 points</li> </ul>	$\begin{array}{c} \boxed{} 3 = 15 \text{ points} \\ \boxed{} 4 = 30 \text{ points} \\ \boxed{} 5 \text{ or more} = 50 \end{array}$	) points
ii.	List the number of bypasses, overflowere within the collection system as			) that
	Collection System:	0 Tre	atment Plant:	0
B. i.	List the number of times in the last discharge of untreated or incomplet either at the treatment plant or due t	ely treated wastewater	due to equipment fail	ure,
	2 √ Check one box.	$0 = 0 \text{ points}$ $1 = 5 \text{ points}$ $\mathbf{X} 2 = 10 \text{ points}$	$\begin{array}{c} \boxed{} 3 = 15 \text{ points} \\ \boxed{} 4 = 30 \text{ points} \\ \boxed{} 5 \text{ or more} = 50 \end{array}$	) points
ii.	List the number of bypasses, overflowere within the collection system as	ows or unpermitted dis	charges shown in B (i	
	Collection System:	2 Tre	atment Plant:	0
C.	Specify whether the bypasses came contract or tributary communities/sa		own sewer system or f	rom
	All SSO from Dept. of Utiliti	ies collection system		
D.	Add the point values checked for A	and B and place the to	tal in the box below.	
	<b>TOTAL</b> Also enter this value or 100, whi	<b>POINT VALUE FO</b> chever is less, on the p	10	(max = 100) on page 16.
E.	List the person responsible (name a unpermitted discharges to State and		overflows, bypasses or	
	Christopher Tissue, Appointed Dire	ector - Dept. of Utilities	5	
	Describe the procedure for gatherin	g, compiling and repor	ting:	
	SSO response and reporting per De	pt. of Utilities Sewer T	reatment and Collection	on Systems
		0		

6 0

#### PART 5: SEWAGE SLUDGE STORAGE, USE, AND DISPOSAL

A. Sewage Sludge Storage

How many months of sewage 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	2	3	4-5
points	50	30	20	10

Write 0, 10, 20, 30 or 50 in the A point total box

20 A Point Total

**B.** For how many months does your facility have approval to use or dispose of sewage sludge at a properly permitted landfill, land application site, or sewage sludge incinerator?

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

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

Write 0, 10, 20, 30 or 50 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

B.

C.

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

Design Flow:	MGD
Design BOD:	mg/l
	velopment) moved into the community or expanded production her flow or pollutant loadings to the sewerage system were or greater)?
$\checkmark$ Check one box.	Yes = 15 points $X$ No = 0 points
If Yes, Please describe:	
List any new pollutants:	
List any new pollutants:	N/A
List any new pollutants:	N/A
Is there any development (ind	N/A dustrial, commercial or residential) anticipated in the next ow or pollutant loadings to the sewerage system could
Is there any development (ind 2-3 years, such that either flo significantly increase?	dustrial, commercial or residential) anticipated in the next
Is there any development (ind 2-3 years, such that either flo significantly increase?	dustrial, commercial or residential) anticipated in the next ow or pollutant loadings to the sewerage system could
Is there any development (ind 2-3 years, such that either flo significantly increase? √ Check one box. [] If Yes, Please describe:	dustrial, commercial or residential) anticipated in the next ow or pollutant loadings to the sewerage system could
Is there any development (ind 2-3 years, such that either flo significantly increase? √ Check one box. [ If Yes, Please describe: The facility is scheduled to b	dustrial, commercial or residential) anticipated in the next ow or pollutant loadings to the sewerage system could $\overline{X}$ Yes = 15 points $\Box$ No = 0 points
Is there any development (ine 2-3 years, such that either flo	dustrial, commercial or residential) anticipated in the
any development (ind s, such that either flo ntly increase? c one box. [ lease describe: lity is scheduled to b	dustrial, commercial or residential) anticipated in the next ow or pollutant loadings to the sewerage system could $\overline{X}$ Yes = 15 points $\Box$ No = 0 points we renovated to provide for additional sewer treatment capacity
Is there any development (ind 2-3 years, such that either flo significantly increase? √ Check one box. [ If Yes, Please describe: The facility is scheduled to b	dustrial, commercial or residential) anticipated in the next ow or pollutant loadings to the sewerage system could $\overline{X}$ Yes = 15 points $\Box$ No = 0 points be renovated to provide for additional sewer treatment capacity ment, Bellevue Estates, in the near future.In our LPDES modifica

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:** 15 (max = 30)

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

			Permit #:	LA0127427
PAF	RT 7: OPERATOR	CERTIFICATI	ON ANE	DEDUCATION
A.	What was the name of the	operator-in-charge f	or the report	ting year?
		Name:	Glenn	Daughdrill
B.	What is his or her certification		1158	
C.	What level of certification wastewater treatment faci		narge require	ed to have to operate the
	waste water treatment fact	Level Required:	II	
D.	What is the level of certif	ication of the operato	r-in-charge?	,
		Level Certified:	IV	
E.	Was the operator-in-charg required in order to operation		ertified at le	east at the grade level
	$\sqrt{\text{Check one box.}}$	<b>X</b> Yes = 0 point	S	$\Box$ No = 50 points
	Write	0 or 50 in the E poin	t total box	0 E Point Total
F.	Has the operator-in-charg year?	e maintained recertif	cation requi	rements during the reporting
	$\checkmark$ Check one box.	X Yes		No No
G.	How many hours of contin last two calendar years?	nuing education has t	he operator-	in-charge completed over the
	$\vee$ Check one box.	X > 12 hours =	) points	$\bigcirc$ <12 hours = 50 points
	Write	0 or 50 in the G poin	t total box	0 G Point Total
Н.	Is there a written policy re treatment plant employees		ducation an	training for wastewater
	$\sqrt{\text{Check one box.}}$	X Yes		No No
	Explain: Budget alloc	ated and training sch	edule set at l	beginning of each year
I.	What percentage of the co	ontinuing education e	xpenses of t	he operator-in-charge were
	By the permittee?	100	By the oper	<i>rator?</i> 0%
J.	Add together the E and G	point values and place	ce the sum ir	n the box below at the right.
		TOTAL POINT V	ALUE FOR	<b>R PART 7:</b> $0$ (max = 100)
	Also enter this value or	100, whichever is le	ess, on the po	pint calculation table on page 16.

## PART 8: FINANCIAL STATUS

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

 $\vee$  Check one box. X 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.

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

> General maintenance... pumps replaced as needed. Pumps typically burnt up due to clogging. Auto dialers have been installed to some L/S throughout the collection system.

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

Construction on the WWTP in accordance with expansion plans

B. If you have ponds please answer the following questions: N/A 101 1

- i. Do you have duckweed buildup in the ponds?
- Do you mow the dikes regularly (at least monthly), to the ii. waters edge?
- Do you have bushes or trees growing on the dikes or in iii. the ponds?
- iv. Do you have excess sludge buildup (> lfoot) on the bottom of any of your ponds?
- Do you exercise all of your valves? v.
- vi. Are your control manholes in good structural shape?vii. Do you maintain at least 3 feet of freeboard in all of your ponds? viii. Do you visit your pond system at least weekly?

νC	heck on	le box	ζ.
	Yes		No
	Yes		No
	Yes		No
	Yes Yes Yes		No No No
	Yes Yes		No No

C. Treatment Plants

L

i. Have the influent and effluent flow meters been calibrated in the last year?

XYesNo $(\checkmark$  Check one box.)

N/A Influent flow meter calibration date(s) May 26, 2021 *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?

$\sqrt{\text{Check one box.}}$	X Yes	No No	If Yes, Please describe:
1 0	·		are planning an expansion to WWTP. ermitted 0.106 MGD

	<i>Permit #:</i> LA0127427
D.	Preventive Maintenance
i.	Does your plant have a written plan for preventive maintenance on major equipment items?
	$\checkmark$ Check one box. X Yes No If Yes, Please describe:
	As per manufacturer directives in O&M manual, and Dept. of Utilities SOP.
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
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?
	$\sqrt{\text{Check one box.}}$ X Yes No If Yes, Please describe:
	St. Tammany Parish Ordinance Sec. 40-301 - Wastewater standards prior to entering collection systems of parish 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?
	$\vee$ Check one box. Yes X No If Yes, Please describe:
iii.	Any additional comments about your treatment plant or collection system? (Attach additional sheets if necessary.)

	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	47.5	50 points
Part 4: Overflows and Bypasses	10	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

### POINT CALCULATION TABLE

TOTAL POINTS:

112.5
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## **ATTACHMENT 3**

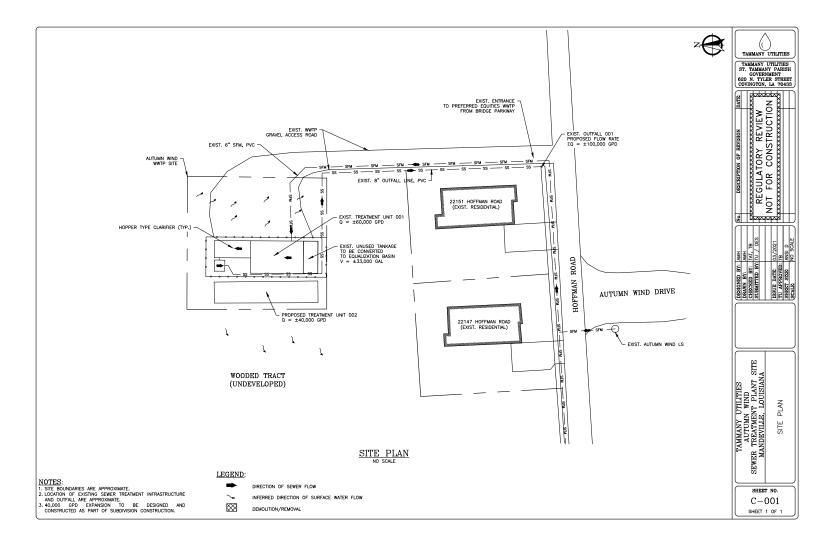
#### SAMPLE MWPP RESOLUTION

Resolved that the village/town/city of <u>Autumn Wind</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.
- 2. The treatment plant requires expansion to accommodate growth.

	(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



#### **Resolution Administrative Comment**

RESOLUTION TO ACKNOWLEDGE THE RECEIPT AND REVIEW OF THE 2021 MUNICIPAL WATER POLLUTION PREVENTION ENVIRONMENTAL AUDIT REPORT FOR THE AUTUMN WIND SEWAGE TREATMENT FACILITY (WARD 4, DISTRICT 7)

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, but expansion is needed to accommodate growth.