



700 West Liberty Street | Louisville, KY 40203-1911
Phone: 502.540.6000 | LouisvilleMSD.org

April 17, 2019

Crystal Dennis
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

**RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report for March 2019.**

Dear Mrs. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Cedar Creek WQTC, for the month of March 2019.

Also attached is the first quarter biomonitoring DMR.

There were no exceedances, bypasses or discharges to report.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5849.

Sincerely,

Duane V. Wright
Process Supervisor

DVW/ Cedar Creek. 3/19.

Enclosures

Cc: V. Graves
R. Shaw

DMR Copy of Record

Permit			
Permit #:	KY0098540	Permittee:	Cedar Creek WQTC MSD
Major:	Yes	Permittee Address:	700 W Liberty St Louisville, KY 40203
Permitted Feature:	001 External Outfall	Discharge:	001-1 MUNICIPAL DISCHARGE
Facility:		Facility Location:	CEDAR CREEK WQTC MSD 8405 CEDAR CREEK RD LOUISVILLE, KY 40291

Report Dates & Status			
Monitoring Period:	From 03/01/19 to 03/31/19	DMR Due Date:	04/28/19
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	James A	Title:	Exec. Dir.
Last Name:	Parrott	Telephone:	502-540-6000

No Data Indicator (NODI)
Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type				
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3	Units		
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample					=	11					19 - mg/L	0	01/07 - Weekly	GR - GRAB		
					Permit Req.					>=	7 INST MIN					19 - mg/L	0	01/07 - Weekly	GR - GRAB		
					Value NODI																
00400	pH	1 - Effluent Gross	0	--	Sample					=	7.7			=	8.5	12 - SU	0	01/07 - Weekly	GR - GRAB		
					Permit Req.					>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU	0	01/07 - Weekly	GR - GRAB		
					Value NODI																
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	170	=	195	26 - lb/d		=	3	=	3	19 - mg/L	0	01/07 - Weekly	CP - COMPOS		
					Permit Req.	<=	1877 MO AVG	<=	2815 MX WK AV	26 - lb/d		<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24		
					Value NODI																
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample					=	235			=	430	19 - mg/L	0	01/07 - Weekly	CP - COMPOS		
					Permit Req.												19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI																
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample					=	8			=	12	19 - mg/L	0	01/07 - Weekly	CP - COMPOS		
					Permit Req.												19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI																
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	17	=	27	26 - lb/d		=	0.3	=	0.42	19 - mg/L	0	01/07 - Weekly	CP - COMPOS		
					Permit Req.	<=	626 MO AVG	<=	939 MX WK AV	26 - lb/d		<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24		
					Value NODI																
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample					=	0.3			=	0.433	19 - mg/L	0	01/07 - Weekly	CP - COMPOS		
					Permit Req.												19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI																
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	6.674	=	7.384	03 - MGD							0	99/99 - Continuous	CN - CONTIN		
					Permit Req.														0	99/99 - Continuous	RE - Record (manual)
					Value NODI																
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	5.504	=	7.015	03 - MGD							0	99/99 - Continuous	CN - CONTIN		
					Permit Req.														0	99/99 - Continuous	RE - Record (manual)
					Value NODI																
51040	E. coli	1 - Effluent Gross	0	--	Sample					=	1			=	1	13 - #/100mL	0	01/07 - Weekly	GR - GRAB		
					Permit Req.													13 - #/100mL	0	01/07 - Weekly	GR - GRAB
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	170	=	195	26 - lb/d		=	3	=	3	19 - mg/L	0	01/07 - Weekly	CP - COMPOS		
					Permit Req.	<=	626 MO AVG	<=	939 MX WK AV	26 - lb/d		<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24		
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample					=	166			=	294	19 - mg/L	0	01/07 - Weekly	CP - COMPOS		
					Permit Req.													19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI																
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample					=	98					23 - %	0	01/30 - Monthly	CA - CALCTD		
					Permit Req.													23 - %	0	01/30 - Monthly	CA - CALCTD
					Value NODI																
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample					=	99					23 - %	0	01/30 - Monthly	CA - CALCTD		
					Permit Req.													23 - %	0	01/30 - Monthly	CA - CALCTD
					Value NODI																

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors
No errors.

DMR Copy of Record

Permit																			
Permit #:	KY0098540			Permittee:	Cedar Creek WQTC MSD				Facility:	CEDAR CREEK WQTC MSD									
Major:	Yes			Permittee Address:	700 W Liberty St Louisville, KY 40203				Facility Location:	8405 CEDAR CREEK RD LOUISVILLE, KY 40291									
Permitted Feature:	001 External Outfall			Discharge:	001-2 TOXICITY														
Report Dates & Status																			
Monitoring Period:	From 01/01/19 to 03/31/19			DMR Due Date:	04/28/19				Status:	NetDMR Validated									
Considerations for Form Completion																			
THREE 24-HOUR COMPOSITE SAMPLES ONE EACH COLLECTED EVERY OTHER DAY FOR A PERIOD OF 5 DAYS; IE - DAYS 1, 3 & 5																			
Principal Executive Officer																			
First Name:	James A.			Title:	Exec. Dir.				Telephone:	502-540-6000									
Last Name:	Parrott																		
No Data Indicator (NODI)																			
Form NODI:	--																		
Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading				Quality or Concentration				# of Ex.	Frequency of Analysis	Sample Type				
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample										<	1	2G - tox chronic	01/90 - Quarterly	24 - COMP24
					Permit Req.										<=	1 MAXIMUM	2G - tox chronic	01/90 - Quarterly	24 - COMP24
					Value NODI														
Submission Note																			
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.																			
Edit Check Errors																			
No errors.																			
Comments																			
Attachments																			
No attachments.																			
Report Last Saved By																			
Cedar Creek WQTC MSD																			
User:	WRIGHTDUANE																		
Name:	Duane Wright																		
E-Mail:	duane.wright@louisvillemtd.org																		
Date/Time:	2019-04-22 14:18 (Time Zone: -04:00)																		
Report Last Signed By																			
User:	WRIGHTDUANE																		
Name:	Duane Wright																		
E-Mail:	duane.wright@louisvillemtd.org																		
Date/Time:	2019-04-23 08:35 (Time Zone: -04:00)																		

Comments

Attachments

Name	Type	Size
CC032019_MOR.pdf	pdf	45728
CC032019_COVER.pdf	pdf	414746

Report Last Saved By

Cedar Creek WQTC MSD

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org
Date/Time: 2019-04-23 07:49 (Time Zone: -04:00)

Report Last Signed By

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org
Date/Time: 2019-04-23 08:35 (Time Zone: -04:00)

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: March 2019
 KPDES PERMIT NUMBER KY0098540 PLANT CAPACITY 7.5 MGD RECEIVING STREAM CEDAR CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		SETTLEABLE SOLIDS (mg/L)		DISSOLVED OXYGEN (mg/L)		SUSPENDED SOLIDS (mg/L)		5 DAY CBOD (mg/L)		ACTIVATED SLUDGE			AERATION BASIN						SLUDGE HANDLING						FINAL		Total Phosphorus	Total Nitrogen	TOTAL FLOW INF. (MILLION GALLONS)								
		GRIT REMOVED (CUBIC FEET)	SCREENINGS (CUBIC FEET)	RAW	FINAL	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	STREAM ABOVE	FINAL EFFLUENT	STREAM BELOW	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RETURN		WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	SETTLED SLUDGE VOLUME		RAW			HAULED					NH3-N (mg/L)	ECOLI						
																		GAL/DAY X 1000	MLSS x1000					GAL/DAY X 1000	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS						% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000				
																																						TOTAL			
1	6.53															4	7160	65000	5.3	3100	2630	600	530															5.19463			
2	6.41															3		75000	6.5				520	400																5.08542	
3	6.55										53	3	62		3			75000	5.1				490	400										0.20	0.433				5.18202		
4	6.25			7.4	7.9				12.0						3	6360	30000	5.8	3090	2670	550	400														1		7.87	4.94542		
5	6.09														2	6670	70000	6.1	3040	2650	550	400																		4.66565	
6	6.36														2	11250	90000	7.0	2110	1880	340	270																		4.46992	
7	5.94														2	10740	50000	6.3	2210	2050	370	300																		4.32084	
8	5.87														2	9560	70000	6.0	2630	2330	380	310																		4.55991	
9	7.78														2		50000	5.1					350	300															8.30959		
10	7.78										170	3	75		3	2		50000	5.8				220	200										0.42		0.3			8.30959		
11	9.93			7.5	7.7				12.0						4	8990	42000	6.3	2500	2200	350	300														1		6.64	7.22		
12	7.48														3	9040	30000	4.8	2860	2450	440	350																	5.77344		
13	6.84														3	7110	60000	6.6	2520	2180	420	330																		5.32279	
14	8.73														3	8280	50000	3.0	2860	2480	440	380																		6.90304	
15	8.80														3	6970	60000	4.8	2710	2390	440	360																		6.86493	
16	7.48														3		60000	3.9					430	350															5.9462		
17	7.08										430	3	294		3			50000	3.2					400	340									0.37		0.3			5.57718		
18	6.21			7.3	7.9										3	6310	82000	3.8	3620	3170	520	440															1		7.58	5.05825	
19	6.52														2	7530	60000	6.8	3350	2930	550	440																		4.76492	
20	6.41														2	10060	65000	7.1	2420	2110	360	300																		4.5583	
21	5.96														2	9750	65000	5.2	2540	2300	410	320																		4.62748	
22	5.60														2	10150	65000	6.3	2430	2200	400	310																		4.34059	
23	5.52														2		50000	5.5					380	300															4.37218		
24	5.71			7.4							286	3	232		3	2		50000	5.0				410	320											0.20		0.3			4.42984	
25	6.49								11.0						2	10230	70000	5.2	2510	2160	400	310																1		11.6	5.39305
26	6.48														2	10340	70000	6.2	2590	2480	360	300																		4.70366	
27	5.37														2	10010	80000	5.1	2590	2380	400	290																		4.3332	
28	5.46														2	9270	40000	5.4	2520	2280	340	300																		4.21378	
29	5.27														2	8550	60000	5.0	2100	1860	380	300																		4.0804	
30	6.07														2	10710	60000	5.4	2330	2090	360	300																		5.4856	
31	10.63														3		70000	5.5					170	130															8.89908		
Tot.	209.60														78.48																									167.9109	
Avg.	6.76			7.4	8.0				11.7		235	3	166		3	2.532	8865	60129	5.455	2665	2358	410.6	331.6												0.30	1	0.333	8.423	5.416480645		

RESIDENTIAL COMMERCIAL INDUSTRIAL FLOW CBOD TSS OPERATOR CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

Joseph Shaun Smith 20987 OPERATOR CERT. NO. 502-540-6000 PLANT TELEPHONE