



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

Cheryl Edwards
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

**RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report for March 2018.**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Cedar Creek WQTC, for the month of March 2018.

Also attached is the first quarter biomonitoring DMR.

There were no exceedances, discharges or bypasses 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. 03/18.

Enclosures

Cc: V. Graves
R. Shaw

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 01/01/18 to 03/31/18			DMR Due Date:	04/28/18			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																			
Name					Type					Size									
CC032018_COVER.pdf					pdf					420556									
Report Last Saved By																			
Cedar Creek WQTC MSD																			
User:	kevin.thompson@louisvillemd.org																		
Name:	Kevin Thompson																		
E-Mail:	kevin.thompson@louisvillemd.org																		
Date/Time:	2018-04-18 13:03 (Time Zone: -04:00)																		
Report Last Signed By																			
User:	WRIGHTDUANE																		
Name:	Duane Wright																		
E-Mail:	duane.wright@louisvillemd.org																		
Date/Time:	2018-04-19 08:14 (Time Zone: -04:00)																		

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 03/01/18 to 03/31/18	DMR Due Date:	04/28/18
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					=	8.1			=	8.2	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	=	207	=	273	26 - lb/d		=	4	=	6	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					=	167			=	286	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.															
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample					=	8			=	9	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.															
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	50	=	125	26 - lb/d		=	0.8	=	1.7	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					=	0.4			=	0.51	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.															
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	7.367	=	10.212	03 - MGD							0	99/99 - Continuous	CN - CONTIN	
					Permit Req.															
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	6.579	=	9.096	03 - MGD							0	99/99 - Continuous	CN - CONTIN	
					Permit Req.															
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample					=	1			=	2	13 - #/100mL	0	01/07 - Weekly	GR - GRAB	
					Permit Req.															
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	164	=	294	26 - lb/d		=	3	=	4	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					=	104			=	154	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.															
					Value NODI															
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample					=	97					23 - %	0	01/30 - Monthly	CA - CALCTD	
					Permit Req.															
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample					=	98					23 - %	0	01/30 - Monthly	CA - CALCTD	
					Permit Req.															
					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

Name	Type	Size
CCMOR032018.pdf	pdf	46114
CC032018_COVER.pdf	pdf	420556

Report Last Saved By
Cedar Creek WQTC MSD

User: kevin.thompson@louisvillemsd.org
Name: Kevin Thompson
E-Mail: kevin.thompson@louisvillemsd.org
Date/Time: 2018-04-18 13:09 (Time Zone: -04:00)

Report Last Signed By

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org
Date/Time: 2018-04-19 08:14 (Time Zone: -04:00)

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: March 2018

KPDES PERMIT NUMBER KY0098540

PLANT CAPACITY 7.5 MGD

RECEIVING STREAM CEDAR CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		SETTLABLE SOLIDS (mg/L)			DISSOLVED OXYGEN (mg/L)			SUSPENDED SOLIDS (mg/L)			5 DAY CBOD (mg/L)			ACTIVATED SLUDGE			AERATION BASIN						SLUDGE HANDLING						FINAL					
		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	Total Phosphorus	Total Nitrogen	TOTAL FLOW INF. (MILLION GALLONS)		
																		GAL/DAY X 1000	MLSS x1000					30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000							
1	8.83									168		3	126		4	7	5070	100000		2.6	3280	2680	340	300										1.70		0.51		7.7998
2	7.41			7.2	8.1				11.0							7	5050	80000		3.1	2980	2450	390	320									2			6.14221		
3	6.64															5		80000		2.1			360	310												5.75344		
4	6.40															4		60000		2.4			360	310												5.43385		
5	5.61															4	9020	65000		5.5	4050	3240	570	450										9.45	4.92074			
6	5.15															4	7930	70000		4.4	3820	3120	550	400											4.69439			
7	4.98															5	6850	85000		3.6	4120	3370	590	460												4.47665		
8	5.45									150		6	86		3	3	6610	85000		3.9	4010	3260	600	450									0.38	0.458		4.27268		
9	5.00			7.4	8.1				12.0							2	10660	37000		5.8	2600	2170	390	300									2			4.09949		
10	6.42															3		50000		4.8			400	310												6.51066		
11	6.42															3		50000		5.0			450	350												6.51066		
12	3.70															4	8620	80000		5.1	3810	3170	600	490										6.67	3.27085			
13	6.18															6	6370	85000		5.6	3670	3000	550	450												5.42276		
14	5.72															5	6200	105000		4.8	4070	3350	440	440												5.01308		
15	5.17									286		3	154		2	6	7230	80000		4.2	3810	3150	580	430								0.32	0.382			4.76082		
16	4.89			7.7	8.2				12.0							6	6300	80000		4.4	3380	2770	550	400									1			4.4154		
17	4.84															5		60000		4.6			560	410												4.45938		
18	4.66															5		60000		4.3			570	460												4.44625		
19	4.49															5	6360	85000		3.9	3690	3070	630	450										6.87	4.20458			
20	6.28															3	8030	65000		4.0	3510	2950	550	400												5.56659		
21	7.87															2	6750	95000		5.8	4360	3660	450	350												7.02516		
22	8.25									62		3	50		2	5	8300	61000		5.4	3230	2710	500	340									0.64	0.3			7.50553	
23	8.92			7.4	8.1				12.0							5	11940	33000		5.8	2640	2300	390	330											1		7.8035	
24	11.04															6	8100	64000		5.2	3290	2810	490	390													12.22413	
25	12.73															7		50000		3.8			250	240													11.62494	
26	10.52															7	3180	110000		3.7	2490	2130	330	300											7.33		8.37141	
27	10.07															6	4370	75000		4.1	2300	1990	330	280													7.75413	
28	9.96															5	6930	75000		4.2	3540	2940	590	440													8.38744	
29	11.09															5	7890	58000		3.8	3020	2620	450	370													9.9992	
30	13.68															5	6750	41000		3.6	1970	1690	300	250													12.09588	
31	10.03															5		50000		3.1			380														8.99436	
Tot.	228.39															152.1																					203.95996	
Avg.	7.37			7.4	8.1				11.8		167		4	104		3	4.905	7152.6		4.277	3376	2809	467.4	372.7										0.76	1	0.413	7.58	6.579353548

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
70167 FLOW
37590 CBOD
48717 TSS

Mike Stephenson OPERATOR
9616 CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-540-6000
PLANT TELEPHONE