



Louisville and Jefferson County Metropolitan Sewer District
700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
www.msdlouky.org

July 5, 2017

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

**RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report for June 2017.**

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 June 2017.

Also attached is the 2nd 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,

A handwritten signature in cursive script that reads "Duane V. Wright".

Duane V. Wright
Process Supervisor

DVW/ Cedar Creek. 06/17.

Enclosures

Cc: V. Graves
R. Shaw



Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com

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:	001-1 MUNICIPAL DISCHARGE		

Report Dates & Status					
Monitoring Period:	From 06/01/17 to 06/30/17	DMR Due Date:	07/28/17	Status:	NetDMR Validated

Considerations for Form Completion

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
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample	=	9									19 - mg/L	06/30 - Six Per Month	GR - GRAB	
					Permit Req.	>=	7 INST MIN									19 - mg/L	01/07 - Weekly	GR - GRAB	
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	8				=	8				12 - SU	05/30 - 5 Times Every Month	GR - GRAB	
					Permit Req.	>=	6 MINIMUM			<=	9 MAXIMUM				12 - SU	01/07 - Weekly	GR - GRAB		
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	112	=	152	26 - lb/d	=	3	=	3		19 - mg/L	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	01/07 - Weekly	24 - COMP24	
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample						=	292	=	417		19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV		19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	10	=	11		19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV		19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	20	=	49	26 - lb/d	=	0.6	=	1.4		19 - mg/L	01/07 - Weekly	24 - COMP24	
					Permit Req.	<=	250 MO AVG	<=	376 MX WK AV	26 - lb/d	<=	4 MO AVG	<=	6 MX WK AV		19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample						=	0.3	=	0.3		19 - mg/L	01/07 - Weekly	24 - COMP24	
					Permit Req.						<=	1 MO AVG	<=	1.5 MX WK AV		19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	4.515	=	5.814	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD							0	99/99 - Continuous	RE - Record (manual)
					Value NODI														
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	3.739	=	4.906	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD							0	99/99 - Continuous	RE - Record (manual)
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	1	=	2		13 - #/100mL	01/07 - Weekly	GR - GRAB	
					Permit Req.						<=	130 30DA GEO	<=	240 7 DA GEO		13 - #/100mL	01/07 - Weekly	GR - GRAB	
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	100	=	104	26 - lb/d	=	3	=	3		19 - mg/L	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	01/07 - Weekly	24 - COMP24	
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	207	=	309		19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV		19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI														
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	99				23 - %	01/30 - Monthly	CA - CALCTD	
					Permit Req.							>=	85 MO AV MN				23 - %	01/30 - Monthly	CA - CALCTD
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	99				23 - %	01/30 - Monthly	CA - CALCTD	
					Permit Req.							>=	85 MO AV MN				23 - %	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.

Comments

Attachments

Name	Type	Size
CCMOR062017.pdf	pdf	47345
CC062017_COVER.pdf	pdf	387762

Report Last Saved By

Cedar Creek WQTC MSD

User: kevin.thompson@louisvillemsd.org | Date/Time: 2017-07-19 13:45 (Time Zone: -04:00)
Name: Kevin Thompson
E-Mail: kevin.thompson@louisvillemsd.org

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 04/01/17 to 06/30/17			DMR Due Date:	07/28/17				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				
					CC062017_COVER.pdf						pdf						387762				
					CCMOR062017.pdf						pdf						47345				
Report Last Saved By																					
Cedar Creek WQTC MSD																					
User:	kevin.thompson@louisvillemsd.org								Date/Time:	2017-07-19 13:47 (Time Zone: -04:00)											
Name:	Kevin Thompson																				
E-Mail:	kevin.thompson@louisvillemsd.org																				

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: June 2017

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	GAL/DAY X 1000	MLSS X 1000	GAL/DAY X 1000	WASTED	RETURN		DISSOLVED OXYGEN (mg/L)		MLSS (mg/L) X 1000		SETTLED SLUDGE VOLUME		RAW		HAULED				NH3-N (mg/L)	ECOLI		
																						30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000										
1	3.88												417		3	309		3	2.28	5490	85000	2.8	2920	2470	400	330									0.42		0.3		3.35
2	3.81			7.4	8.1				8.6										2.16	5200	80000	2.6	2690	2310	380	300									1			3.27758	
3	3.85								8.7										2.25	6700	70000	2.9	3050	2540	330	310												3.26996	
4	3.96								8.5										2.23	5530	90000	2.6	3330	2810	350	310												3.25444	
5	3.97																		2.16	5320	85000	2.5	2890	2570	470	380											10.6	3.25773	
6	4.39																		2.1	6600	81000	3.5	2560	2200	410	350												3.59391	
7	4.04																		1.97	5600	75000	3.9	2770	2370	420	360												3.25472	
8	3.82											124		3	106		3	2.01	5050	72000	3.8	2390	2030	400	350										0.20	0.3		3.1508	
9	3.79			7.5	7.9				9.1										1.89	4870	75000	4.1	2360	2090	330	300									1			3.07078	
10	3.69																		1.85	4200	85000	4.0	2420	2190	390	360												3.04161	
11	3.67																		1.79	4440	80000	3.7	2410	1950	340	300												3.02779	
12	3.76																		1.73	4900	85000	2.5	2690	2590	350	300											10.8	3.02009	
13	3.94																		1.63	5140	68000	3.8	2320	2120	300	280												3.23387	
14	4.20																		1.66	5430	70000	3.2	2410	2080	300	270												3.41023	
15	6.09											246		3	179		2	1.7	5890	61000	2.7	2310	2060	300	270									0.22	0.3		4.85		
16	4.94			7.3	8.1				8.5										1.6	9660	60000	3.0	2330	2000	290	260									2			4.09922	
17	4.35																		1.59	7420	60000	3.8	2280	1970	290	240												3.6385	
18	4.29																		1.55	5850	65000	4.0	2550	2190	300	280												3.48431	
19	4.57																		1.59	5960	60000	4.3	2460	2190	280	250											9.44	3.71536	
20	3.85																		1.69	5440	63000	4.4	2200	1920	260	250												3.20451	
21	3.81																		1.65	4950	72000	4.3	2370	2040	270	250												3.05589	
22	4.16											380		3	235		3	1.65	4920	75000	4.4	2510	2100	280	260									1.40	0.3		3.30787		
23	6.98			7.4	8.1				9.8										1.58	4690	55000	5.4	1590	1440	170	170										1		6.5796	
24	9.86																		1.92	4080	45000	4.4	1170	1130	150	150												8.21456	
25	5.54																		3.58	6180	65000	4.0	2650	2420	300	290												4.86542	
26	5.74																		3.29	4830	80000	4.8	2640	2320	310	280											7.43	4.09139	
27	4.29																		2.28	5740	60000	3.2	2170	1890	270	250												3.78459	
28	4.12																		1.83	5540	60000	4.2	2220	1980	280	240												3.4992	
29	4.05																		1.8	5400	60000	4.3	2190	1910	270	250												3.32859	
30	4.00																		1.67	6250	42000	4.1	1790	1620	220	200												3.24402	
31																																							
Tot.	135.45																		58.7																				112.17654
Avg.	4.52			7.4	8.0				8.9			292		3	207		3	1.96	5576	69467	3.71	2421	2117	314	280									0.56	1	0.3	9.57	3.739218	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
43001 FLOW 45907 CBOD 52315 TSS

Joseph Smith
OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-587-5849

PLANT TELEPHONE