



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

September 12, 2017

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

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

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 blue ink, appearing to read "Duane V. Wright", is written over the typed name.

Duane V. Wright
Process Supervisor

DVW/ Cedar Creek. 08/17.

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
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 08/01/17 to 08/31/17	DMR Due Date:	09/28/17
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	=	8				=	8				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				=	8			12 - SU	0	01/07 - Weekly	GR - GRAB							
					Permit Req.	>=	6 MINIMUM								12 - SU	0	01/07 - Weekly	GR - GRAB							
					Value NODI																				
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	93	=	119	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						=	262	=	317	19 - mg/L	0	01/07 - Weekly	CP - COMPOS							
					Permit Req.										Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24					
					Value NODI																				
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	10	=	12	19 - mg/L	0	01/07 - Weekly	CP - COMPOS							
					Permit Req.										Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24					
					Value NODI																				
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	6	=	8	26 - lb/d	=	0.2	=	0.2	19 - mg/L	0	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	0	01/07 - Weekly	24 - COMP24							
					Value NODI																				
00665	Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample						=	0.3	=	0.3	19 - mg/L	0	01/07 - Weekly	24 - COMP24							
					Permit Req.										<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24			
					Value NODI																				
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.742	=	4.388	03 - MGD							99/99 - Continuous	CN - CONTIN							
					Permit Req.													99/99 - Continuous	RE - Record (manual)						
					Value NODI																				
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	3.475	=	4.136	03 - MGD							99/99 - Continuous	CN - CONTIN							
					Permit Req.													99/99 - Continuous	RE - Record (manual)						
					Value NODI																				
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	5	=	26	13 - #/100mL	0	01/07 - Weekly	GR - GRAB							
					Permit Req.										<=	130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL	0	01/07 - Weekly	GR - GRAB			
					Value NODI																				
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	93	=	119	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						=	187	=	253	19 - mg/L	0	01/07 - Weekly	CP - COMPOS							
					Permit Req.													Req Mon MO AVG	Req Mon MX WK AV	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.														>=	85 MO AV MN	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.															>=	85 MO AV MN	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.

Comments

Attachments

Name	Type	Size
CC082017_cover.pdf	pdf	411256
CC082017_MOR.pdf	pdf	47053

Report Last Saved By

Cedar Creek WQTC MSD

User: kevin.thompson@louisvillemsd.org	Date/Time: 2017-09-18 09:35 (Time Zone: -04:00)
Name: Kevin Thompson	
E-Mail: kevin.thompson@louisvillemsd.org	

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: August 2017
 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		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	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							
																									30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS						% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000					
1	3.39																2	4360	80000	3.6	2290	1980	290	260										0.20				0.3	12.18	2.83026		
2	6.51				8.0												1	10820	27000	3.8	1920	1690	250	220											26				5.4659			
3	3.80																1	20770	10000	4.2	1390	1280	200	150															4.32972			
4	3.72																2	3430	70000	4.1	1610	1510	200	170																3.62213		
5	3.35																5	6260	60000	3.8	2290	1930	300	270																3.36637		
6	3.56																4	5910	70000	4.0	2640	2310	300	270																3.48245		
7	6.39																4	9660	45000	2.8	2650	2290	290	250																5.85358		
8	4.77																228	3	128	3	4	8540	55000	3.5	2890	2470	340	300							0.20		0.3	6.27	4.1862			
9	4.09				8.2												3	7560	55000	4.1	2680	2300	300	270												1			3.50238			
10	3.43																2	4700	87000	3.4	2690	2260	300	270															3.39409			
11	3.42																2	5060	68000	2.2	2270	1950	300	270																3.20343		
12	3.46																2	5080	87000	2.5	3100	2490	340	300																3.21		
13	3.34																2	4290	80000	2.7	2310	2010	300	280																3.16756		
14	3.25																2	4420	60000	2.2	3400	2190	300	280																2.9645		
15	3.19																317	3	253	3	2	5220	30000	4.3	1070	1020	150	130							0.22		0.3	10.07	2.95611			
16	3.05				8.2												2	4970	83000	3.4	2630	2270	300	260														2			2.84431	
17	4.07																2	4730	80000	4.3	2450	2110	300	270																	3.75012	
18	5.89																2	11350	28000	3.6	2100	1880	250	200																	5.26835	
19	4.26																2	6640	55000	3.2	2400	2020	310	290																	3.99916	
20	3.90																2	5950	56000	3.8	2240	1930	300	280																	3.67671	
21	3.38																2	4960	80000	3.1	2630	2230	320	290																	3.22858	
22	3.56																190	3	180	3	2	4620	85000	3.8	2630	2240	300	270							0.20		0.3	10.91	3.22303			
23	3.51				8.2												2	4740	72000	3.8	2260	1990	290	250																	3.31412	
24	3.22																2	4600	90000	3.8	2620	2260	270	250																	3.08957	
25	3.19																2	4120	95000	2.8	2600	2200	250	240																	2.89751	
26	3.16																2	4460	70000	4.3	2510	2140	260	240																	2.99882	
27	3.16																2	3970	68000	4.8	2370	2040	260	250																	3.02034	
28	3.22																2	4820	75000	4.4	2390	2120	270	250																		2.78719
29	2.98																2	4210	85000	3.5	2360	2060	270	240																		2.71096
30	2.85																2	4260	87000	3.9	2370	2000	270	240																		2.68409
31	2.96																2	3820	90000	4.5	2300	1960	250	230																		2.70328
Tot.	116.02																71.76																								107.73082	
Avg.	3.74				8.2												262	3	187	3	2.315	6074	67193.5	3.619	2389	2036	278.4	249.7							0.21	5	0.3	9.858	3.475187742			

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 35642
 FLOW

34379
 CBOD

38978
 TSS

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

PLANT TELEPHONE