



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

August 7, 2017

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

**RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report for July 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 July 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 black ink, appearing to read "Duane V. Wright", written over a light blue horizontal line.

Duane V. Wright
Process Supervisor

DVW/ Cedar Creek. 07/17.

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 07/01/17 to 07/31/17	DMR Due Date:	08/28/17	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	=	8									19 - mg/L	05/30 - 5 Times Every 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										12 - SU	01/07 - Weekly	GR - GRAB	
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	116	=	133	26 - lb/d		=	3	=	4	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						=	261	=	326	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												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.												19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	9	=	15	26 - lb/d		=	0.2	=	0.4	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						=	0.4	=	0.6	19 - mg/L	01/07 - Weekly	24 - COMP24			
					Permit Req.												19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	4.327	=	5.378	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	=	3.64	=	4.511	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						=	2	=	15	13 - #/100mL	01/07 - Weekly	GR - GRAB			
					Permit Req.													13 - #/100mL	01/07 - Weekly	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	97	=	114	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						=	171	=	231	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.													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						=	98				23 - %	01/30 - Monthly	CA - CALCTD		
					Permit Req.													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.													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
CC072017_MOR.pdf	pdf	50062
CC072017_COVER.pdf	pdf	46372

Report Last Saved By

Cedar Creek WQTC MSD

User: WRIGHTDUANE	Date/Time: 2017-08-17 10:49 (Time Zone: -04:00)
Name: Duane Wright	
E-Mail: duane.wright@louisvillemmsd.org	

NAME OF TREATMENT PLANT CEDAR CREEK WTP
 KPDES PERMIT NUMBER KY0098540

COUNTY JEFFERSON
 PLANT CAPACITY 7.5 MGD

MONTH OF: July 2017
 RECEIVING STREAM CEDAR CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		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	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (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				
																																			Total Phosphorus	Total Nitrogen		
1	4.36			7.2												1.7	5720	60000	4.0	2180	1740	280	260												3.67681			
2	3.92			7.1						326			4	231		3	1.8	6001	60000	4.2	2110	1890	270	260						0.20			0.3		3.23223			
3	3.72			7.3	8.1				8.6								1.8	5800	60000	4.2	2350	2070	280	250							15				3.03645			
4	3.95			7.3													1.9	5850	60000	3.8	2270	2050	270	250									11.1		3.08439			
5	3.71			0.0	8.1				9.1								1.8	5810	60000	4.1	2240	2100	280	260											2.98791			
6	9.64			0.0													1.8	4210	80000	3.4	2240	2030	280	280											8.82791			
7	8.34			0.0													2.6	4690	58000	4.3	1840	1740	200	190											6.73039			
8	6.74			0.0													3.8	5960	60000	4.0	2820	2480	290	250											5.71238			
9	5.31			7.3						303		3	196		2	3.6	4810	85000	3.2	2790	2350	300	260							0.20	0.63	6.49		4.56703				
10	4.67			0.0	8.2				8.5								3.7	5020	78000	3.4	2680	2360	300	280							1				4.01092			
11	5.59			0.0													3.7	5270	70000	3.4	2530	2190	300	280											3.62893			
12	4.40			0.0													2.4	5210	75000	4.4	2540	2210	260	250												3.47708		
13	3.84			0.0													1.7	5690	57000	4.0	2060	1930	260	250												3.20344		
14	3.52			0.0													1.8	4750	70000	3.8	2190	1910	250	240												3.12702		
15	3.43			0.0													1.7	5780	54000	3.4	2050	1870	250	240												3.08509		
16	3.46			0.0						210		3	156		3	1.6	5350	57000	3.2	2090	1890	250	240							0.20	0.3	10.3			3.14555			
17	3.27			7.4	8.1				8.8								1.7	4270	75000	3.6	2160	1900	270	250							1					2.939		
18	3.32			0.0													1.7	3910	77000	4.0	2050	1800	260	240												2.8295		
19	3.18			0.0													1.6	4730	71000	4.1	2140	1920	250	240													2.77686	
20	3.17			0.0													1.5	4460	75000	3.5	2170	1940	240	230													2.77253	
21	3.21			0.0													1.5	5310	65000	4.0	2360	2040	260	250													2.75044	
22	3.28			0.0													1.5	4230	70000	3.3	2090	1890	250	240													2.77535	
23	4.57			0.0						206		3	102		3	1.5	4880	65000	3.2	2260	1980	260	250							0.39	0.3	10.7				4.35906		
24	5.10			7.9	7.8				7.9								1.5	7240	50000	3.8	2560	2280	260	250							2						3.82355	
25	3.87			0.0													1.4	5620	65000	3.7	2450	2140	260	250													3.23534	
26	3.53			0.0													1.5	5860	57000	3.5	2260	2000	260	250													3.01448	
27	3.44			0.0													1.5	5430	85000	3.9	3050	2700	260	250													2.88154	
28	4.19			0.0													1.5	4470	75000	4.0	2140	1790	260	250														3.44778
29	4.13			0.0													1.4	12010	55000	4.1	1670	1520	240	220													3.52353	
30	3.80			0.0													1.3	5210	65000	4.8	2300	2010	240	220													3.20451	
31	3.51			0.0													1.6	4720	65000	3.7	2050	1850	250	240														2.9844
Tot.	134.15																60.2																				112.8514	
Avg.	4.33			1.7	8.1				8.6		261		3	171		3	1.94	5428		3.81	2280	2018	263	247							0.25	2	0.38	9.65	3.640367742			

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 41213
 FLOW

36356
 CBOD

44898
 TSS

Joseph Smith
 OPERATOR

 CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-540-6000

PLANT TELEPHONE