



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

May 10, 2017

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

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

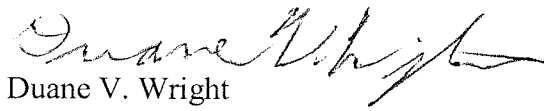
Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Cedar Creek WQTC, for the month of April 2017.

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. 04/17.

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 04/01/17 to 04/30/17	DMR Due Date:	05/28/17
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					19 - mg/L	0	01/01 - Daily	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					=	7.6			=	8.2	12 - SU	0	01/01 - Daily	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	=	195	=	228	26 - lb/d		=	4	=	5	19 - mg/L	0	03/07 - Three Per Week	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					=	273			=	315	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample					=	9			=	10	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	29	=	84	26 - lb/d		=	0.6	=	2	19 - mg/L	0	03/07 - Three Per Week	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					=	0.6			=	1.2	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	5.677	=	5.801	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	=	4.979	=	5.155	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					=	2			=	7	13 - #/100mL	0	03/07 - Three Per Week	GR - GRAB	
					Permit Req.												0	01/07 - Weekly	GR - GRAB	
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	116	=	181	26 - lb/d		=	2	=	4	19 - mg/L	0	03/07 - Three Per Week	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					=	218			=	273	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample					=	99					23 - %	0	01/30 - Monthly	CA - CALCTD	
					Permit Req.												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.												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
CC042017_COVER.pdf	pdf	45845
CC042017_MOR.pdf	pdf	57650

Report Last Saved By

Cedar Creek WQTC MSD

User:	staci.huber@louisvillemsd.org	Date/Time:	2017-05-17 14:11 (Time Zone: -04:00)
Name:	Staci Huber		
E-Mail:	staci.huber@louisvillemsd.org		

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: April 2017
 KPDES PERMIT NUMBER KY0098540 PLANT CAPACITY 7.5 MGD 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										
		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	Total Phosphorus	Total Nitrogen	TOTAL FLOW INF. (MILLION GALLONS)					
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000										
1	5.56			7.6	8.0				9.7							5	6090	80000	4.1	2890	2640	450	350														4.88754				
2	4.91			7.6	7.8				9.3				260		3	221		2	4	10970	60000	3.7	2750	2470	440	310												4.51395			
3	4.91			7.4	7.9				8.6				328		3	256		2	4	7950	70000	3.4	3130	2890	540	400												4.42715			
4	6.58			7.3	7.9				7.7				298		8	202		2	4	7680	55000	3.6	2400	2190	400	330												5.79263			
5	5.58			7.3	8.1				8.6								5	6030	95000	4.5	2950	2690	390	330														4.93016			
6	6.00			7.6	8.0				8.7								5	6350	80000	4.5	2580	2320	450	360														5.20135			
7	5.52			7.6	8.1				9.4								4	6410	85000	5.3	3010	2710	480	340														4.99641			
8	5.19			7.4	8.0				9.0								4	6680	75000	4.0	2800	2480	450	350														4.6946			
9	5.22			7.5	8.0				9.1				270		4	225		2	5	6700	80000	3.6	2910	2590	450	350												4.57767			
10	4.50			7.6	7.9				8.4				240		3	222		2	4	6120	85000	2.7	2890	2520	450	370												4.14621			
11	6.03			7.4	8.0				8.8				240		5	176		2	5	5690	105000	2.2	3260	2810	650	480												5.1861			
12	6.61			7.1	7.8				8.8								5	7530	70000	5.4	2670	2440	430	350														5.31171			
13	5.66			7.6	7.7				9.3								4	8060	45000	5.9	2600	2290	380	310														4.57031			
14	4.71			7.5	7.6				8.6								3	4950	75000	3.8	2560	2250	350	300														4.29094			
15	5.79			7.4	7.9				8.8								2	4420	85000	4.0	2690	2340	360	310														5.03494			
16	4.68			7.3	8.1				8.4				372		6	234		5	2	5680	80000	4.1	2530	2150	370	310												4.22641			
17	8.48			7.1	7.8				8.9				138		4	110		3	2	8510	0	4.6	670	53	100	100											7.96093				
18	6.46			7.4	8.0				9.3				190				4	3450	65000	5.3	1590	1430	250	230													5.54065				
19	5.47			7.4	8.0				8.8						3		3	4	5950	70000	4.6	2590	2250	400	330												4.77773				
20	5.02			7.6	8.0				8.9								4	4870	80000	4.9	2630	2280	410	330														4.39167			
21	4.72			7.6	8.1				8.8								4	5940	70000	4.7	2670	2360	410	350														4.15594			
22	7.62			7.6	8.0				9.6								4	9500	45000	5.2	2620	2250	350	300														6.44902			
23	6.89			7.7	8.1				9.8				298		3	224		2	4	8190	52000	5.2	2870	2490	350	310												5.84313			
24	6.00			7.3	8.0				9.9				420		3	394		2	1	6980	58000	5.0	2860	2450	400	340												4.91412			
25	5.51			7.3	8.1				8.6				226		3	202		2	2	9850	35000	2.6	2430	2150	330	300												4.40903			
26	4.67			7.3	8.1				8.8								2	2	9150	47000	2.2	2740	2410	350	310													4.12222			
27	4.49			7.5	8.2				8.8								2	2	7910	50000	3.4	2520	2290	380	320													3.95878			
28	4.34			7.5	8.1				8.6								2	2	7670	50000	3.1	2540	222	360	300													3.80008			
29	6.74			7.4	8.1				8.9								2	2	7240	55000	5.0	2540	2240	360	310													6.77214			
30	6.43			7.5	8.1				9.0								3	3	6470	57000	4.2	2300	2000	320	280													5.47376			
31																																									
Tot.	170.30																																					149.35728			
Avg.	5.68			7.4	8.0				8.9				273		4	218		2	3.459	6966	65300	4.179	2606	2222	393.7	322											0.64	2	0.608	8.59	4.978576

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
54063 FLOW 60780 CBOD 61621 TSS

Joseph Smith 20987
 OPERATOR CERT. NO.

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

PLANT TELEPHONE