



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

October 16, 2017

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

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

Also attached is the third 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 black ink, appearing to read "Duane V. Wright", is written over a light blue horizontal line.

Duane V. Wright
Process Supervisor

DVW/ Cedar Creek. 09/17.

Enclosures

Cc: V. Graves
R. Shaw



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

DMR Copy of Record

Permit		Permittee: Cedar Creek WQTC MSD		Facility: CEDAR CREEK WQTC MSD	
Permit #:	KY0098540	Permittee Address:	700 W Liberty St Louisville, KY 40203	Facility Location:	8405 CEDAR CREEK RD LOUISVILLE, KY 40291
Major:	Yes	Discharge:	001-1 MUNICIPAL DISCHARGE		
Permitted Feature:	001 External Outfall				

Report Dates & Status		DMR Due Date: 10/28/17		Status: NetDMR Validated	
Monitoring Period:	From 09/01/17 to 09/30/17				

Considerations for Form Completion

Principal Executive Officer		Title: Exec. Dir.		Telephone: 502-540-6000	
First Name:	James A.				
Last Name:	Parrot				

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	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	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	=	122	=	192	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	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample						=	376	=	572	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	8	=	10	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	17	=	27	26 - lb/d		=	0.5	=	0.8	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					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						=	0.5	=	0.8	19 - mg/L	01/07 - Weekly	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	=	5.054	=	8.304	03 - MGD								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	=	4.691	=	7.951	03 - MGD								99/99 - Continuous	CN - CONTIN	
					Permit Req.													0	99/99 - Continuous	RE - Record (manual)
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	6	=	112	13 - #/100mL	01/07 - Weekly	GR - GRAB			
					Permit Req.												0	01/07 - Weekly	GR - GRAB	
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	89	=	128	26 - lb/d		=	2	=	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	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	267	=	411	19 - mg/L	01/07 - Weekly	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 - %	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 - %	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
CC092017_COVER.pdf	pdf	389440
CC092017_MOR.pdf	pdf	47063

Report Last Saved By

Cedar Creek WQTC MSD

User: kevin.thompson@louisvillemsd.org
Name: Kevin Thompson
E-Mail: kevin.thompson@louisvillemsd.org
Date/Time: 2017-10-24 07:23 (Time Zone: -04:00)

Report Last Signed By

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org
Date/Time: 2017-10-24 08:07 (Time Zone: -04:00)

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 07/01/17 to 09/30/17			DMR Due Date:	10/28/17				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	CP - COMPOS			
					Permit Req.										<=	1 MAXIMUM	2G - tox chronic	0	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					
					CC092017_COVER.pdf						pdf						389440					
Report Last Saved By																						
Cedar Creek WQTC MSD																						
User:	kevin.thompson@louisvillemd.org																					
Name:	Kevin Thompson																					
E-Mail:	kevin.thompson@louisvillemd.org																					
Date/Time:	2017-10-24 07:23 (Time Zone: -04:00)																					
Report Last Signed By																						
User:	WRIGHTDUANE																					
Name:	Duane Wright																					
E-Mail:	duane.wright@louisvillemd.org																					
Date/Time:	2017-10-24 08:07 (Time Zone: -04:00)																					

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: September 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		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	7.54																2	3980	87000	2.8	2200	1960	260	240																10.50119				
2	16.58																3	3260	25000	4.4	1480	1080	150	100																		15.05962		
3	9.10																7	3670	50000	3.8	1750	1430	180	170																		8.43201		
4	6.32																7	3600	50000	4.0	1930	1690	250	240																		5.74039		
5	7.69													274		3	167		2	6	5080	57000	3.9	2000	1740	240	200								0.20		0.368	6			6.76873			
6	5.94			7.6	8.1					9.1							4	3880	75000	5.1	1970	1710	220	200												1					5.03567			
7	4.97																4	5980	80000	5.6	3120	2600	400	300																	4.11783			
8	4.85																4	6040	70000	4.3	2880	2410	340	300																		3.69299		
9	3.86																4	4770	95000	3.9	2990	2410	350	300																		3.64255		
10	3.97													572		3	411		3	4	4700	97000	3.6	3010	2540	350	300							0.20		0.842	7.29			3.61078				
11	3.59			7.2	8.1					10.0							4	4410	95000	3.8	3190	2670	320	310												2					3.28089			
12	3.72																4	4440	95000	2.8	2960	2520	350	320																		3.31545		
13	5.20																4	4770	85000	4.7	2900	2490	360	350																		3.92529		
14	5.18																3	8470	60000	5.2	2310	2000	270	260																		4.52271		
15	4.31																2	6370	60000	4.3	2570	2300	300	280																		3.87139		
16	3.93																2	6100	60000	4.5	2550	2240	300	280																		3.77068		
17	3.90													290		3	196		2	6000	50000	4.3	2560	2140	300	290							0.62		0.3	8.22					3.67981			
18	3.60			7.2	8.0					9.4							2	6300	65000	3.8	2600	2300	300	290													5					3.33032		
19	5.74																2	5880	75000	3.4	2760	2380	310	300																		5.14009		
20	5.37																2	8530	40000	4.6	2220	1880	280	250																		4.94786		
21	4.48																2	7000	52000	4.8	2450	2090	300	270																			4.18123	
22	4.02																2	6260	65000	4.2	2680	2320	320	280																			3.80495	
23	3.92																2	5420	60000	4.0	2420	2090	300	270																			3.72165	
24	3.87													368		3	294		2	2	5060	30000	3.8	2390	2140	310	280							0.84		0.3	9.56					3.64445		
25	3.54			7.1	8.1					9.7							2	5190	78000	3.4	2640	2260	310	300															112				3.32138	
26	3.28																2	5620	72000	3.4	2610	2250	300	270																			3.19759	
27	3.32																2	5330	75000	3.1	2630	2250	300	270																			3.13466	
28	3.33																2	5050	76000	4.1	2570	2210	290	270																			3.18534	
29	3.23																2	5630	70000	4.0	2540	2220	300	280																			3.04614	
30	3.28																2	5210	60000	4.2	2490	2170	300	270																			3.10661	
Tot.	151.63																				91.73																						140.73025	
Avg.	5.05			7.3	8.1					9.6				376		3	267		2	3.058	5400	66967	4.06	2512	2150	295.3	268													0.47	6	0.453	7.768	4.691008333

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
48136 FLOW
66204 CBOD
75473 TSS

Joseph Smith OPERATOR
20987 CERT. NO.

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

502-540-6000 PLANT TELEPHONE