



700 West Liberty Street | Louisville, KY 40203-1911
Phone: 502.540.6000 | LouisvilleMSD.org

February 7, 2019

Crystal Dennis
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

**RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report for January 2019.**

Dear Mrs. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Cedar Creek WQTC, for the month of January 2019.

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,

Duane V. Wright
Process Supervisor

DVW/ Cedar Creek. 1/19.

Enclosures

Cc: V. Graves
R. Shaw

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 01/01/19 to 01/31/19	DMR Due Date:	02/28/19
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						=	11					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						=	7.8			=	8.1	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	=	217	=	322	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						=	233	=	268	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	=	14	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	2	--	Sample	=	17	=	23	26 - lb/d		=	0.2	=	0.38	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															
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample						=	0.3	=	0.415	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	=	8.422	=	10.247	03 - MGD							01/30 - Monthly	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	=	6.826	=	8.167	03 - MGD							01/30 - Monthly	CN - CONTIN		
					Permit Req.												0	99/99 - Continuous	RE - Record (manual)	
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	1	=	4	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	=	188	=	322	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	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	189	=	216	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
CC012019_MOR.pdf	pdf	45942
CC012019_COVER.pdf	pdf	452980

Report Last Saved By

Cedar Creek WQTC MSD

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org
Date/Time: 2019-02-18 09:13 (Time Zone: -05:00)

Report Last Signed By

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org
Date/Time: 2019-02-18 09:13 (Time Zone: -05:00)

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: January 2019

KPDES PERMIT NUMBER KY0098540

PLANT CAPACITY 7.5 MGD

RECEIVING STREAM CEDAR CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		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	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				
1	12.88												206			3	164					6	8870	65	4.6	3010	2750	360	300							0.20		4			11.14492
2	11.48				7.9																	6	5520	65	4.2	2910	2610	400	310											8.58399	
3	9.45																					5	6550	75	4.3	3180	2690	450	320											6.02975	
4	8.65																					4	8420	100	4.3	3650	3210	500	350											7.58934	
5	12.14																					6		50	4.1			240	220											10.19687	
6	9.05																					5		30	4.3			380	320											7.36529	
7	8.07																					4	6980	90	3.8	3210	2800	380	350											6.25754	
8	7.16												260			3	213					4	6920	80	4.0	3240	2810	480	340						0.38		0.3	7.07	5.67982		
9	6.29				8.1																	4	6670	80	4.3	3200	2770	500	360							1				5.17743	
10	5.88																					4	7330	80	4.6	3280	2790	470	360											4.81806	
11	5.66																					4	5640	80	4.3	3060	2690	500	400												4.48741
12	6.12																					4		60	3.8			430	380												4.92898
13	8.67																					4		60	4.1			410	360												7.10514
14	7.28																					4	6210	70	4.0	2910	2590	360	300												5.76309
15	6.53												268			3	216					4	7260	50	3.7	3300	2910	450	350						0.20		0.415	7.33		5.15	
16	6.10				7.8																	4	6730	50	4.7	3410	2950	460	370							1					4.9
17	6.06																					4	6590	50	3.9	3380	2950	460	350												4.87799
18	6.10																					4	7110	65	3.8	3000	2630	500	400												4.90831
19	9.99																					4	6240	70	4.6	3250	2860	450	400												8.94611
20	12.78																					6	5550	50	3.7	1890	1760	240	200												10.67737
21	9.78																					5		50	4.8			280	280												7.50702
22	8.07												196			3	164					4	7760	60	4.6	3140	2770	530	400						0.20		0.354	14		6.32607	
23	12.18				8.0																	4	8330	50	4.9	2940	2640	500	410						1					10.59412	
24	13.40																					6	5700	45	5.3	1640	1510	230	200												11.28632
25	9.10																					6	7630	75	6.3	3840	3340	540	390												7.5681
26	8.09																					6		50	4.9			640	470												6.60076
27	7.45																					6		50	5.6			660	520												6.12635
28	7.42																					5	6580	80	4.4	3730	3210	730	500												5.44793
29	7.13																					3	8920	100	4.6	3520	3130	700	510												5.8477
30	6.18																					3	6620	100	5.6	3080	2670	640	420												4.97932
31	5.92																					3	6830	100	5.8	2930	2580	580	420												4.7416
Tot.	261.08																						141.6																		211.6127
Avg.	8.42				8.0								233			3	189					3	4,567	6956.7	67.1	4.513	3112.5	2734.2	466.1	363.2						0.25	1	0.342	8.433	6.826216129	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
80207 FLOW
78191 CBOD
77763 TSS

Joseph Shaun Smith
OPERATOR
20987
CERT. NO.

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

502-540-6000
PLANT TELEPHONE