



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

June 3, 2018

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

**RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report for May 2018.**

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 May 2018.

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. 05/18.

Enclosures

Cc: V. Graves
R. Shaw

DMR Copy of Record

Permit

Permit #:

KY0098540

Major:

Yes

Permittee:

Cedar Creek WQTC MSD

Permittee Address:

700 W Liberty St
Louisville, KY 40203

Facility:

CEDAR CREEK WQTC MSD

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 05/01/18 to 05/31/18

DMR Due Date:

06/28/18

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

James A.

Last Name:

Parrott

Title:

Exec. Dir.

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

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Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					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						=	9.4					19 - mg/L	0	01/07 - Weekly	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			=	8.2	12 - SU	0	01/07 - Weekly	GR - GRAB
					Permit Req.						>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU		01/07 - Weekly	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	124	=	145	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		01/07 - Weekly	24 - COMP24
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	228	=	248	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample								=	7	=	8	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	10	=	13	26 - lb/d			=	0.3	=	0.4	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		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		01/07 - Weekly	24 - COMP24
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	5.123	=	5.808	03 - MGD								0	99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD									99/99 - Continuous	RE - Record (manual)
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	4.531	=	5.217	03 - MGD								0	99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD									99/99 - Continuous	RE - Record (manual)
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample								=	2	=	10	13 - #/100mL	0	01/07 - Weekly	GR - GRAB
					Permit Req.								<=	130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL		01/07 - Weekly	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	94	=	145	26 - lb/d			=	2	=	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		01/07 - Weekly	24 - COMP24
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample								=	172	=	179	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	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						=	99					23 - %	0	01/30 - Monthly	CA - CALCTD
					Permit Req.						>=	85 MO AV MN					23 - %		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 - %		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
CC052018_COVER.pdf	pdf	401636
CC052018_MOR.pdf	pdf	46000

Report Last Saved By

Cedar Creek WQTC MSD

User:

staci.huber@louisvillemsd.org

Name:

Staci Huber

E-Mail:

staci.huber@louisvillemsd.org

Date/Time:

2018-06-13 08:41 (Time Zone: -04:00)

Report Last Signed By

User:

WRIGHTDUANE

Name:

Duane Wright

E-Mail:

duane.wright@louisvillemsd.org

Date/Time:

2018-06-13 08:43 (Time Zone: -04:00)

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: May 2018
 KPDES PERMIT NUMBER KY0098540 PLANT CAPACITY 7.5 MGD RECEIVING STREAM CEDAR CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		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	RETURN		WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME		GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	HAULED			NH3-N (mg/L)	ECOLI				
																		GAL/DAY X 1000	MLSS X1000					GAL/DAY X 1000	30 MIN.				60 MIN.	% DRY SOLIDS	% VOLATILE SOLIDS			WITHDRAWN GALLONS X 1000			
1	4.41										248		3	164		2	3	7120	58000	3.5	2660	2300	440	350							0.20				3.98232		
2	4.39			7.2	8.2					10.0							3	7190	60000	4.1	2600	2260	450	350								10			3.88164		
3	4.26																3	7470	60000	3.5	2910	2460	440	350										3.79438			
4	4.39																2	6530	70000	3.9	2940	2520	450	350										3.80119			
5	6.52																3		60000	2.9			460	350										6.66754			
6	9.56																5		40000	3.1			260	230										8.24429			
7	7.13																5	6850	70000	4.6	3070	2580	450	370										6.14715			
8	5.68										204		3	171		2	5	10360	50000	4.2	3430	2900	500	400							0.20		0.3	5.76	5.04126		
9	5.63			7.5	8.1					9.6							4	8920	60000	3.5	3550	3030	450	400								1			4.51412		
10	5.29																3	7580	60000	4.0	3000	2540	400	350										4.33878			
11	4.55																3	6680	75000	3.8	3320	2780	480	370										4.03278			
12	4.44																3		60000	3.6			460	370										4.00395			
13	4.37																3		60000	3.6			450	380										3.94875			
14	4.06																3	6230	75000	3.0	3020	2580	550	400										3.70741			
15	3.89										224		3	179		2	3	6970	70000	2.8	3260	2750	500	400							0.40		0.3	8.32	3.57071		
16	4.47			7.3	8.0					9.4							2	5760	90000	3.1	3300	2790	500	400								1			3.93589		
17	6.24																2	9110	48000	3.2	2760	2350	390	310											5.34372		
18	6.19			7.3													2	9870	55000	3.9	2600	2190	380	310											5.87101		
19	6.60																4		50000	4.0			410	350											6.0966		
20	5.61																5		50000	3.8			420	360											4.98146		
21	5.35																3	6220	85000	3.9	3520	2960	480	370											4.34112		
22	5.78										234		3	173		3	2	10820	38000	3.7	2700	2340	390	320							0.20		0.3	7.43	4.45838		
23	4.53			7.1	8.0					11.0							2	8360	50000	3.6	2830	2390	440	350								1			4.01975		
24	4.09																2	7720	55000	4.2	2890	2390	440	350											3.67342		
25	4.00																2	7480	60000	3.4	3020	2530	440	350											3.5956		
26	4.03																2		70000	3.5			450	350											3.54041		
27	3.98																2		60000	2.9			450	350											3.52635		
28	4.63																2		60000	2.6			450	350											4.06199		
29	5.09																2	11940	45000	3.6	3310	2800	460	370											4.2695		
30	4.79																2	7820	60000	4.0	3230	2790	460	370											4.08346		
31	4.88																2	8220	55000	3.9	2980	2520	400	320											4.98605		
Tot.	158.82																91.35																		140.46098		
Avg.	5.12			7.3	8.1					10.0		228		3	172		2	2.947	7964.55	59967.7	3.594	3041	2580	441.9	354.8							0.25	2	0.3	7.343	4.530999355	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
48793 FLOW
43168 CBOD
46289 TSS

Mike Stephenson
OPERATOR

9616
CERT. NO.

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

502-540-6000
PLANT TELEPHONE