msd
Safe, clean waterways

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

February 7, 2018

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

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

Duane V. Wright
Process Supervisor

DVW/ Cedar Creek. 01/18.

Enclosures

Cc: V. Graves
R. Shaw

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 01/01/18 to 01/31/18**	**DMR Due Date:**	**02/28/18**	**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:	--				

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						=	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			=	8.3	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	=	147	=	176	26 - lb/d			=	4	=	5	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								=	158	=	196	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample								=	7	=	8	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	8	=	12	26 - lb/d			=	0.2	=	0.32	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								=	0.7	=	0.903	19 - mg/L		01/11 - Once Every 11 Days	CP - COMPOS
					Permit Req.								<=	2 MO AVG	<=	3 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	5.703	=	6.779	03 - MGD									99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD								0	99/99 - Continuous	RE - Record (manual)
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	5.058	=	6.003	03 - MGD									99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD								0	99/99 - Continuous	RE - Record (manual)
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample								=	2	=	4	13 - #/100mL		01/07 - Weekly	GR - GRAB
					Permit Req.								<=	130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL	0	01/07 - Weekly	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	87	=	118	26 - lb/d			=	2	=	2	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								=	128	=	164	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	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.						>=	85 MO AV MN					23 - %	0	01/30 - Monthly	CA - CALCTD
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	98					23 - %		01/30 - Monthly	CA - CALCTD
					Permit Req.						>=	85 MO AV MN					23 - %	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
CC012018_COVER.pdf	pdf	363575
CC012018_MOR.pdf	pdf	45285

Report Last Saved By

Cedar Creek WQTC MSD

User:	WRIGHTDUANE
Name:	Duane Wright
E-Mail:	duane.wright@louisvillemsd.org
Date/Time:	2018-02-13 09:26 (Time Zone: -05:00)

Report Last Signed By

User:	WRIGHTDUANE
Name:	Duane Wright
E-Mail:	duane.wright@louisvillemsd.org
Date/Time:	2018-02-13 09:26 (Time Zone: -05:00)

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: January 2018

KPDES PERMIT NUMBER KY0098540 PLANT CAPACITY 7.5 MGD RECEIVING STREAM CEDAR CREEK

		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				
																		RETURN		WASTED				SETTLED SLUDGE VOLUME		RAW			HAULED								
DATE	TOTAL FLOW (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 x1000	GAL/DAY X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) X 1000	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000	NH3-N (mg/L)	ECOLI	Total Phosphorus	Total Nitrogen	TOTAL FLOW INF. (MILLION GALLONS)
1	4.09											168		5	91		2	4		120000	3.8			550								0.32		0.3	8.3	3.7652
2	4.06				8.3					11.0								4	7850	120000	3.6	3390	3070	550	500								1			3.64283
3	4.06																	4	9580	60000	3.7	3630	3210	570	470											3.65328
4	3.98																	4	8000	70000	5.0	3660	3240	550	450											3.58105
5	3.67																	4	5540	90000	5.6	3340	2940	520	450											3.35124
6	3.86																	4		60000	5.4			450	350											3.48865
7	3.96																	4		60000	4.7			470	400											3.58987
8	4.44											98		3	100		2	4	10180	60000	3.1	3700	3290	560	400							0.02		0.75	7.3	4.00474
9	4.51				7.9					12.0								4	7520	65000	4.5	3280	3100	450	350								2			4.05564
10	4.48																	4	5420	95000	4.2	3390	2580	490	380											3.93764
11	7.18																	4	7650	65000	3.5	3070	2790	470	350											6.37549
12	10.77																	4	8010	35000	4.3	1970	1820	210	200											9.65441
13	9.22																	4		40000	3.6			220	200											8.04863
14	6.86																	4		20000	3.2			370	260											5.94563
15	6.00																	4	5010	90000	5.2	3090	2740	400	330											5.28628
16	5.26											168		3	158		2	4	7780	72000	4.1	3830	3370	600	400							0.20		0.9	6.6	4.79289
17	4.98				8.2					12.0								4	6760	82000	4.5	3770	3340	500	400								4			4.52807
18	4.83																	4	7650	68000	4.1	3530	3090	580	400											4.35981
19	4.78																	4	7220	75000	3.7	3510	3100	600	440											4.27391
20	5.39																	4		60000	5.2			500	390											4.90939
21	7.30																	4		60000	5.4			500	380											6.47953
22	7.05											196		3	164		2	4	8260	70000	4.7	3720	3300	490	380							0.20		0.76	5.55	6.1932
23	7.15				7.8					12.0								4	8930	58000	5.1	3400	3070	460	350								1			6.26978
24	5.96																	4	7010	80000	4.4	3630	3240	480	350											5.34278
25	5.42																	4	6460	83000	5.0	3510	3160	460	360											4.83656
26	4.97																	4	5980	85000	4.8	3540	3220	470	360											4.52811
27	6.38																	4		85000	4.2			440	340											5.78713
28	7.96																	4		70000	6.6			280	260											6.951
29	6.55																	4	7070	70000	4.7	3060	2780	470	330											5.56527
30	5.43																	4	6360	75000	5.8	3140	2790	450	430											4.9273
31	6.28																		6950	65000	5.9	2990	2640	500	370											4.68523
Tot.	176.81																	126																		156.81054
Avg.	5.70				8.1					11.8		158		4	128		2	4.21	7327	71226	4.57	3370	2995	471	368							0.19	2	0.68	6.94	5.058404516

RESIDENTIAL

COMMERCIAL

INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

54319	35885	35675	Mike Stephenson	9616
FLOW	CBOD	TSS	OPERATOR	CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-540-6000

PLANT TELEPHONE