msd
Safe, clean waterways

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

September 7, 2016

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

RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report for August 2016.

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 August 2016.

There were no exceedances, overflows or bypasses to report.

If you have any questions concerning the attached DMR's, please contact me at (502) 715-2789

Sincerely,

Staci Huber
Process Supervisor

SMH/ Cedar Creek 8/16

Enclosures

cc: T. Singleton
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 08/01/16 to 08/31/16**	**DMR Due Date:**	**09/28/16**	**Status:**	**NetDMR Validated**
Considerations for Form Completion					
Principal Executive Officer					
First Name:	Tony A	**Title:**	Executive Director	**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						=	7.2					19 - mg/L		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						=	7.5			=	8.2	12 - SU		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	=	172	=	232	26 - lb/d			=	3	=	3	19 - mg/L		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								=	361	=	469	19 - mg/L		03/07 - Three Per Week	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								=	5	=	6	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	1	--	Sample	=	18	=	31	26 - lb/d			=	0.3	=	0.5	19 - mg/L		03/07 - Three Per Week	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								=	0.3	=	0.4	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Permit Req.								<=	1 MO AVG	<=	1.5 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	=	6.071	=	7.981	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	=	5.191	=	6.793	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								=	3	=	8	13 - #/100mL		03/07 - Three Per Week	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	=	148	=	181	26 - lb/d			=	3	=	3	19 - mg/L		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								=	150	=	178	19 - mg/L		03/07 - Three Per Week	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						=	99					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
082016_CedarCreekCoverLetter.pdf	pdf	112029
201608_CedarCreek_MOR.pdf	pdf	1029413

Report Last Saved By

Cedar Creek WQTC MSD

User:	kevin.ries@louisvillemsd.org	Date/Time:	2016-09-16 10:27 (Time Zone: -04:00)
Name:	Kevin Ries		
E-Mail:	kevin.ries@louisvillemsd.org		

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: August 2016

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				
																		RETURN		WASTED				SETTLED SLUDGE VOLUME		RAW			HAULED			NH3-N (mg/L)	ECOLI	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 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				
1	8.29			7.3	7.8							668		3	118		2	3	4700	100000	3.6	2960	2430	310	290							0.76		0.3		6.96
2	9.90			7.6	7.9							328		4	112		3	3	3350	46000	3.2	1000	940	140	140							0.29	2	0.3	5.44	8.41
3	6.28			7.2	8.0							410		3	205		3	3	5490	65000	3.2	2280	1930	270	250							0.31	22	0.3		5.56
4	7.10			7.1	7.8													3	5460	95500	2.2	3330	2740	300	290								11			6.10
5	7.66			7.4	7.6													2	2380	83000	3.6	1270	1210	150	140											6.49
6	6.04			7.3	7.7													4	7930	48000	4.4	2420	2050	300	280											5.23
7	5.19			7.3	8.1													3	7150	54000	4.1	2460	2050	310	300											4.60
8	4.63			7.2	8.1							382		3	207		3	3	6570	58000	3.3	2440	2090	310	280							0.20		0.3		4.11
9	4.81			7.1	8.1							546		3	154		3	3	4850	80000	3.8	2650	2220	320	290							0.20	1	0.32	6.06	4.15
10	4.78			7.1	8.1							256		3	173		3	4	6580	50000	5.1	2210	2050	300	290							0.20	1	0.49		4.12
11	4.92			7.3	8.1													3	6320	62000	4.7	2580	2140	310	300								3			4.26
12	4.54			7.2	7.9													3	4750	85000	5.1	2680	2260	320	300											3.89
13	4.72			7.3	8.1													3	5160	78000	5.6	2620	2190	310	300											3.81
14	4.87			7.2	8.0													3	6210	62000	5.2	2510	2080	310	290											4.06
15	8.47			7.1	7.9							392		3	144		2	3	9080	33000	2.6	1900	1660	260	250							0.59		0.3		7.02
16	5.96			7.1	8.0							242		3	95		3	4	4510	55000	4.3	1560	1380	200	190							0.20	24	0.3	4.55	5.19
17	8.57			7.3	8.0							262		3	123		2	4	7250	61000	2.5	2810	2420	340	310							0.20	2	0.49		7.29
18	7.03			7.2	8.0													4	6250	45000	2.8	1930	1700	240	220								6			6.09
19	5.59			7.4	7.8													4	6190	60000	3.6	2340	1940	260	240											4.97
20	8.63			7.4	8.1													4	6940	62000	3.8	2880	2470	310	290											7.25
21	11.56			7.4	8.2													3	6040	22000	3.4	970	920	150	150											9.71
22	6.83			7.5	7.8							226		3	110		3	3	4780	60000	4.3	1780	1540	160	160							0.20		0.3		6.11
23	5.62			7.4	8.1							354		3	181		3	3	7820	57000	4.4	2820	2330	310	300							0.20	8	0.3	5.26	4.97
24	5.13			7.3	8.2							260		3	179		3	3	8030	56000	3.8	2860	2380	300	280							0.20	1	0.3		4.46
25	4.60			7.2	8.1													3	7660	57000	3.2	2770	2310	300	280								1			4.05
26	4.35			7.0	7.7													3	7370	59000	3.4	2770	2400	300	280											3.85
27	4.55			7.2	7.9													3	7140	57000	3.2	2670	2320	300	280											3.85
28	4.39			7.3	7.7													3	6940	60000	4.0	2810	2460	300	280											3.86
29	4.07			7.4	7.5													3	6980	68000	2.5	3030	2510	300	290											3.55
30	4.69			7.5	8.1													3	6510	68000	3.6	2850	2310	300	270											3.37
31	4.33			7.5	7.6													2	7270	52000	3.2	2480	2060	260	250											3.41
Tot.	####																	102																		160.75
Avg.	6.07			7.3	7.9							361		3	150		3	3.29	6247	61242	3.73	2408	2048	276	260							0.30	3	0.33	5.33	5.185483871

RESIDENTIAL

COMMERCIAL

INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

57788	44676	86872	Joseph Shaun Smith	####
FLOW	CBOD	TSS	OPERATOR	CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-239-7695

PLANT TELEPHONE