



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

July 15, 2016

Ms. Cheryl Edwards
Kentucky Division of Water
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

**RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report-June 2016**

Dear Ms. Edwards:


Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Cedar Creek WQTC, KPDES No.: KY0098540 for the month of June 2016.

There were no exceedances, overflows or bypasses to report.

Also attached is the 2nd quarter Biomonitoring DMR.

If you have any questions concerning the attached DMR's, please contact me at (502) 239-7574.

Sincerely,



Kevin Thompson
Process Supervisor Central Region

KLT/Cedar Creek 06.16.doc

Enclosures

cc: T. Singleton
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 06/01/16 to 06/30/16	DMR Due Date:	07/28/16
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	James A.	Title:	Executive Director
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
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample	=	7.1				=	7.1				19 - mg/L	01/01 - Daily	GR - GRAB
					Permit Req.	>=	7 INST MIN								19 - mg/L	01/07 - Weekly	GR - GRAB	
					Value NODI													
00400	pH	1 - Effluent Gross	0	--	Sample	=	7.4				=	8.1			12 - SU	01/01 - Daily	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	=	140	=	185	26 - lb/d	=	4	=	4	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	01/07 - Weekly	24 - COMP24	
					Value NODI													
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample						=	413	=	503	19 - mg/L	03/07 - Three Per Week	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						=	9	=	11	19 - mg/L	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	=	59	=	113	26 - lb/d	=	1	=	2	19 - mg/L	11/30 - 11 Per Month	CP - COMPOS	
					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	03/07 - Three Per Week	CP - COMPOS	
					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	=	4.537	=	5.412	03 - MGD						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	=	3.913	=	4.803	03 - MGD						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						=	4	=	16	13 - #/100mL	03/07 - Three Per Week	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	=	81	=	142	26 - lb/d	=	2	=	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	01/07 - Weekly	24 - COMP24	
					Value NODI													
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	229	=	289	19 - mg/L	03/07 - Three Per Week	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 - %	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 - %	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
201606_CedarCreek_Coverletter.pdf	pdf	415442
201606_CedarCreek_MOR.pdf	pdf	113480

Report Last Saved By

Cedar Creek WQTC MSD

User: kevin.thompson@louisvillemmsd.org

Date/Time: 2016-07-25 06:19 (Time Zone: -04:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemmsd.org

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 04/01/16 to 06/30/16			DMR Due Date:	07/28/16				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:	Executive Director				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	24 - COMP24	
					Permit Req.										<=	1 MAXIMUM	2G - tox chronic		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																					
No attachments.																					
Report Last Saved By																					
Cedar Creek WQTC MSD																					
User:	kevin.thompson@louisvillemsd.org								Date/Time:	2016-07-21 08:36 (Time Zone: -04:00)											
Name:	Kevin Thompson																				
E-Mail:	kevin.thompson@louisvillemsd.org																				

NAME OF TREATMENT PLANT CEDAR CREEK WTP
 KPDES PERMIT NUMBER KY0098540

COUNTY JEFFERSON
 PLANT CAPACITY 7.5 MGD

MONTH OF: June 2016
 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 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		WASTE D	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	SETTLED SLUDGE VOLUME	30 MIN.	60 MIN.	GALLONS x 1000	RAW		HAULED				NH3-N (mg/L)	ECOLI	
																		GAL/DAY x 1000	MLSS									GAL/DAY x 1000	% VOLATILE SOLIDS	% VOLATILE SOLIDS						WITHDRAWN GALLONS x 1000
1	3.76			7.5	7.8			8.4			118		3	85		2	4.45	5460	50000	2.8	3450	2850	600	450							0.22				3.51052	
2	4.48			7.3	8.0			8.2			564		3	180		2	4.44	5440	70000	2.8	3640	2890	630	270							0.45	4	0.3		3.94775	
3	4.55			7.0	7.8			8.4									4.38	6190	60000	2.6	3400	2790	620	400									9		4.13441	
4	4.27			7.2	7.7			8.0									4.3	6340	60000	4.1	3290	2710	590	400										3.79614		
5	4.18			7.2	7.8			7.9			132		6	113		2	4.13	6560	60000	1.6	2820	2460	480	350				1.4		2.60			0.3		3.83847	
6	4.36			7.5	7.8			7.6									4.05	5440	95000	1.8	3800	3150	630	480								11	8.22		3.51041	
7	4.22			7.4	7.8			7.4									3.11	10030	45000	2.1	2840	2300	450	350											0.24204	
8	3.63			7.2	8.0	18.0		7.3			478		3	283		2	2.13	9770	56000	1.8	3490	2830	630	450							0.34		0.3		2.4284	
9	3.41			7.1	8.1	24.0		8.2			437		3	218		1	2.07	8660	56000	2.2	3270	2680	500	400							0.62	1	0.3		3.12164	
10	3.28			7.0	7.7	38.0		7.4									1.94	7200	70000	2.0	3150	2700	500	400									1		3.05229	
11	3.16			7.4	7.6			7.8									1.98	7660	65000	1.8	3070	2490	500	390											3.0427	
12	3.41			7.4	7.5			7.5			520		3	365		2	2.03	7470	68000	1.9	3220	2720	500	380				1.3		3.50		0.3	10.57		3.22157	
13	3.59			7.0	7.8			7.3									1.92	9650	60000	1.8	2920	2420	490	380									7		3.32793	
14	4.33			7.4	7.4			7.3									1.9	8630	70000	1.6	2610	2220	420	350											4.64792	
15	8.42			7.6	7.5	30.0		7.4			338		4	142		3	2.39	3440	100000	1.5	2330	2090	280	250							3.90		0.3		7.11916	
16	6.99			7.5	7.4	30.0		7.5			330		3	145		2	4.49	5460	70000	2.8	2290	1960	260	220							0.56	8	0.3		5.48759	
17	4.79			7.3	7.9			8.0									3.46	9630	50000	3.2	3290	2650	430	380								6			4.31375	
18	4.27			7.4	7.8			7.8									2.26	10180	50000	3.1	3400	2790	480	400											3.93491	
19	3.96			7.3	7.9	30.0		8.0			840		3	417		3	2.06	12640	35000	2.9	2940	2420	410	350							1.00		0.3	8.94		3.6425
20	3.85			7.9	7.9			7.1									1.81	7800	60000	1.8	3160	2590	480	400											3.41008	
21	3.63			7.9	7.9			7.1									2.2	7030	75000	1.6	3570	2880	480	400												3.27435
22	3.81			7.7	7.9	26.0		7.2			612		3	359		0	2.3	6230	85000	1.7	3370	2760	450	380							1.70		0.3		3.34056	
23	4.28			7.2	7.9	28.0		7.2			120		3	131		3	2.33	6310	100000	2.0	2960	2390	460	360								4	0.3		4.13418	
24	9.01			7.4	8.0			7.6									2.14	7190	80000	2.9	2140	1560	280	200					1.13				16		8.66741	
25	6.08			7.4	7.8			7.6									5.21	7540	70000	3.4	2610	2240	360	220												5.21257
26	4.95			7.5	7.9	24.0		8.1			472		6	309		2	5.04	5110	85000	5.0	2930	2310	380	300							0.34		0.3	6.31		4.444
27	5.07			7.3	8.1			7.9									4.91	5020	90000	2.8	3040	2400	370	310												4.154
28	4.69			7.5	7.8			7.6									3.52	7020	57000	1.8	2730	2210	350	300												3.671
29	3.90			7.2	7.6			7.7									2.19	6830	57000	2.0	2620	2200	350	300					1.08							3.434
30	3.76			7.3	7.6			7.6									2.25	5520	85000	3.5	2930	2400	380	300												3.338
Tot.	#####																91.39																			117.40025
Avg.	4.54			7.4	7.8	27.6		7.7			413		4	229		2	3.046	7248	67800	2.43	3043	2502	458	350.7					1.228		1.38	4	0.3	8.51	3.913341667	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

43208 FLOW 50950 CBOD 74488 TSS

Joseph Shaun Smith
OPERATOR

20987
CERT. NO.

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

502-239-7695
PLANT TELEPHONE