Louisville and Jefferson County Metropolitan Sewer District
700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
www.msdlouky.org

February 8, 2016

Ms. Cheryl Edwards
Kentucky Division of Water
200 Fair Oaks Lane, 4th Floor
Frankfort, Kentucky 40601

RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report-January 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 January 2016.

There were no exceedances, overflow or bypasses to report.

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 01.16.doc

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:**	8405 CEDAR CREEK RD LOUISVILLE, KY 40211	**Facility Location:**	8405 CEDAR CREEK RD LOUISVILLE, KY 40211
Permitted Feature:	001 External Outfall	**Discharge:**	**001-1** MUNICIPAL DISCHARGE		
Report Dates & Status					
Monitoring Period:	**From 01/01/16 to 01/31/16**	**DMR Due Date:**	**02/28/16**	**Status:**	**NetDMR Validated**
Considerations for Form Completion					
Principal Executive Officer					
First Name:	James 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						=	7.6					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						=	7.4			=	8	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	=	155	=	178	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	0	01/07 - Weekly	24 - COMP24
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	150	=	189	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								=	8	=	10	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	=	94	=	273	26 - lb/d			=	2	=	6	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															
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample								=	0.3	=	0.3	19 - mg/L		03/07 - Three Per Week	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	=	4.96	=	5.555	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	=	4.836	=	5.286	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								=	4	=	7	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	=	86	=	117	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	0	01/07 - Weekly	24 - COMP24
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample								=	108	=	116	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						=	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
201601_CedarCreek_MOR.pdf	pdf	1011178
201601_CedarCreek_coverletter.pdf	pdf	435414

Report Last Saved By

CEDAR CREEK WQTC MSD

User:	kevin.ries@louisvillemsd.org	Date/Time:	2016-02-19 13:02 (Time Zone: -05:00)
Name:	Kevin Ries		
E-Mail:	kevin.ries@louisvillemsd.org		

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: January 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	6.37			7.4	7.9					9.2										60000	2.3			160												6.06986
2	6.60			7.5	8.0					7.7										65000	2.5			370												5.88326
3	6.26			7.5	7.9					7.6		178		5	114		2	2		65000	2.5			400	310							6.80		0.3		5.81914
4	5.45			7.5	7.9					8.3		144		3	84		2	3	6800	70000	2.1	3570	2910	350	300				1.7			5.20	1	0.3	10.1	5.21798
5	5.33			7.6	7.8	17.0				9.0		244		3	148		2	4	6370	70000	2.1	3560	3000	400	350							5.10	1	0.3		5.07444
6	4.51			7.5	7.9	22.0				9.0								4	5870	95000	2.6	3540	3000	530	410								1			4.48383
7	4.37			7.5	8.0					8.1								4	9860	80000	2.8	4070	3360	550	400											4.45682
8	4.74			7.6	7.4					8.6								4	5590	90000	2.3	3620	3040	400	360											4.7625
9	4.89			7.6	7.9					8.1								4		85000	2.8			650	450											4.88636
10	5.65			7.5	7.7					8.5		162		5	150		2	4		85000	3.4			550	450							2.60		0.3		5.59479
11	5.22			7.4	7.9					8.7		96		3	91		3	4	4620	85000	3.7	3450	3120	450	360				1			0.62	6	0.3	7.32	5.06651
12	5.05			7.4	7.6	20.0				9.4		134		4	106		3	4	7310	85000	2.8	3470	2910	520	370							0.25	2	0.3		5.04837
13	4.83			7.5	8.0	15.0				9.2								4	8240	85000	3.8	3690	2970	480	370								7			4.79958
14	4.52			7.5	7.9					9.1								4	10450	85000	3.5	4360	3680	560	400											4.51909
15	4.96			7.7	8.0					9.3								4	11080	100000	3.1	4050	3210	610	400											4.94669
16	4.99			7.6	7.7					9.2								4	10080	100000	4.2	3780	3050	580	420											4.95816
17	4.70			7.6	8.0					9.4		124		3	118		2	4	3870	100000	3.8	3540	2760	470	370							0.64		0.3		4.73536
18	4.63			7.5	7.9	10.0				10.0		98		3	75		2	4	3550	90000	3.6	3870	3230	540	400							0.62	2	0.3	8.19	4.69554
19	4.22			7.4	7.6					10.0		168		3	110		1	4	6850	85000	3.9	3730	2950	650	400				1			0.20	2	0.3		4.28672
20	4.19			7.5	7.9					10.0								4	8570	100000	4.0	3970	3290	500	400								4			4.22471
21	4.05			7.5	7.9					10.0								4	6110	110000	3.9	3670	3010	580	400											4.05034
22	4.24			7.4	7.8					10.0								4	5710	110000	3.6	3750	3130	480	400											4.18935
23	4.26			7.6	7.6					9.8								4	8840	110000	3.3	3460	2850	500	390											4.27311
24	4.35			7.5	7.6					9.6		248		4	134		2	4	3470	110000	3.7	3870	3190	600	420							1.80		0.3	7.46	4.36611
25	4.46			7.6	7.5					9.0		150		3	117		2	4	5600	110000	2.0	3640	3010	580	400							0.63	7	0.3		4.39782
26	5.93			7.7	7.8					9.8		53		4	43		1	4	6970	110000	3.7	3370	2730	480	360				1.2			0.20	7	0.3		5.66775
27	6.20			7.6	7.7					10.0								3	2530	100000	8.2	1440	1080	120	120								7			5.10251
28	4.22			7.6	7.6					9.3								1	13840	110000	4.6	2440	2010	260	240											4.77674
29	4.44			7.7	7.5					9.4								3	7580	110000	3.7	3440	2850	410	300											4.43927
30	5.37			7.6	7.6					9.4								4	6640	100000	4.2	3390	2740	390	300											4.53556
31	4.78			7.5	7.7					8.9								3	5980	100000	2.9	3500	2870	360	300											4.58752
Tot.	####																	109																	149.91579
Avg.	4.96			7.5	7.8	16.8				9.1		150		4	108		2	3.77	7015	92258	3.41	3548	2921	467	364				1.23			2.06	3	0.3	8.27	4.835993226

RESIDENTIAL

COMMERCIAL

INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

47238	26158	29531	Joseph Shaun Smith	20987
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