



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

March 8, 2017

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

**RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report for February 2017.**

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 February 2017.

The Influent flow meter has been out of service since February 20th due to construction in the influent wet well.

There were no exceedances, bypasses or discharges to report.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5849.

Sincerely,

A handwritten signature in black ink, appearing to read "Duane V. Wright".

Duane V. Wright
Process Supervisor

DVW/ Cedar Creek. 02/17.

Enclosures

Cc: V. Graves
R. Shaw



Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com

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 02/01/17 to 02/28/17	DMR Due Date:	03/28/17
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	James A.	Title:	Exec., Dir.
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	Units
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample					=	7					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					=	8			=	8	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	=	179	=	301	26 - lb/d		=	4	=	5	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						=	329	=	460	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.												01/07 - Weekly	24 - COMP24	
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	9	=	10	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.												01/07 - Weekly	24 - COMP24	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	98	=	151	26 - lb/d		=	2	=	4	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														
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample						=	0.8	=	1	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.												01/07 - Weekly	24 - COMP24	
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	4.904	=	5.807	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Permit Req.													99/99 - Continuous	RE - Record (manual)
					Value NODI														
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	4.033	=	4.855	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Permit Req.													99/99 - Continuous	RE - Record (manual)
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	3	=	17	13 - #/100mL	03/07 - Three Per Week	GR - GRAB		
					Permit Req.													01/07 - Weekly	GR - GRAB
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	115	=	144	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	01/07 - Weekly	24 - COMP24	
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	277	=	389	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.													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.													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.													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

See cover letter

Attachments

Name	Type	Size
CC022017_COVER.pdf	pdf	47003
CC022017_MOR.pdf	pdf	55655

Report Last Saved By

Cedar Creek WQTC MSD

User: wrightd | Date/Time: 2017-03-15 10:18 (Time Zone: -04:00)
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: February 2017
 KPDES PERMIT NUMBER KY0098540 PLANT CAPACITY 7.5 MGD 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		WAST. ED.	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	SETTLED SLUDGE VOLUME		RAW			HAULED			NH3-N (mg/L)				ECOLI	
																		GAL/DAY X 1000	MLSS x1000					GAL/DAY X 1000	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS						WITHDRAWN GALLONS X 1000
1	4.43			7.7	7.7			8.9		376		5	351		3	4	5540	95000	4.1	3630	3130	540	410							1.50		0.81	9.21	3.69416			
2	4.27			7.1	7.9			10.0		392		4	277		3	4	6220	95000	4.2	3350	2860	610	450							2.70	5	0.96		3.56193			
3	4.21			7.3	8.0			9.2								4	6860	95000	4.5	3060	2640	490	380											3.42612			
4	4.52			7.1	7.9			9.3								4	4940	90000	4.1	3620	3130	430	410											3.6736			
5	4.48			7.5	7.9			9.2		326		3	246		2	4	5200	90000	4.2	3180	2790	470	400							8.00		1.11		3.76778			
6	4.29			7.5	7.8			8.7								4	5260	85000	4.2	3020	2610	460	400								45			3.4515			
7	6.53			7.6	7.9			8.9								4	5440	85000	5.0	3220	2790	450	380											5.35273			
8	7.15			7.7	7.8			9.5		246		10	233		3	4	7990	30000	5.7	1590	1440	200	190							4.70		0.65	10.1	5.93453			
9	6.75			7.5	7.8			9.6		208		3	183		2	4	4800	65000	5.2	1980	1710	250	230							0.42	42	0.51		5.63699			
10	5.79			7.5	7.8			9.6								4	5470	85000	5.4	3320	2810	460	380								4			4.87578			
11	5.75			7.5	7.7			8.9								4	6950	65000	5.1	3110	2910	450	350											4.71518			
12	5.56			7.4	7.9			9.1		146		3	159		3	4	6830	58000	4.7	2730	2320	400	350						3.20		0.67		4.63612				
13	4.87			7.5	7.8			9.0								4	4360	100000	3.9	3470	3030	480	360								1			4.18115			
14	4.78			7.5	7.8			9.7								4	5400	100000	4.0	2990	2590	480	360												4.00754		
15	4.65			7.6	7.8			9.4		432		3	409		3	4	5730	100000	4.2	2650	2280	500	350							0.31		0.67	8.13	3.93113			
16	4.36			7.4	8.1			9.3		337		3	238		3	4	5270	100000	4.6	2860	2520	440	350							0.20	1	0.66		3.75018			
17	4.36			7.4	8.1			9.5								4	5410	100000	4.5	2780	2240	440	330								2			3.64126			
18	4.68			7.5	7.9			9.4								4	5640	100000	4.5	2690	2260	430	320											3.74308			
19	4.61			7.4	7.7			9.6		612		3	519		3	4	6210	100000	4.0	2820	2490	440	320							2.80		0.9		3.83627			
20	4.31			7.2	7.9			8.4								4	4630	100000	2.6	2880	2480	460	330							1				0.85257			
21	4.23			7.4	7.9			7.5								4	4700	100000	2.2	2740	2400	450	350											<MDL			
22	4.45			7.6	8.0			7.4		420		4	288		3	4	4700	80000	3.0	2510	2280	450	350							0.68		1.05	9.09	<MDL			
23	4.81			7.3	8.0			7.5		272		5	215		3	3	5810	60000	2.8	2420	2170	350	300							1.30	2	0.88		<MDL			
24	4.32			7.5	8.0			7.5								2	6290	55000	2.6	2460	2260	340	300								1			<MDL			
25	5.74			7.4	8.0			7.5								2	6180	55000	2.6	2450	2160	320	290											<MDL			
26	4.79			7.6	7.9			7.4		186		3	208		2	2	6310	55000	2.7	2320	2050	300	260							1.80		0.51		<MDL			
27	4.31			7.6	8.1			7.3								2	11100	35000	2.6	2420	2200	360	300								1			<MDL			
28	4.34			7.8	8.0			7.5								2	6060	65000	2.5	2720	2410	430	360											<MDL			
29																																					
30																																					
31																																					
Tot.	####															105																			80.6696		
Avg.	4.90			7.5	7.9			8.7		329		4	277		3	3.74	5903.6	80107.1	3.92	2821	2463	424	341							2.30	3	0.78	9.14	4.03348			

RESIDENTIAL COMMERCIAL INDUSTRIAL _____
 INDUSTRIAL WASTE POPULATION EQUIVALENT
 FLOW 46708 CBOD 66686 TSS 64161 OPERATOR Joseph Shaun Smith CERT. NO. ####

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

PLANT TELEPHONE _____