



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

April 12, 2017

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

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

The Influent flow meter has been out of service since February 20th due to construction in the influent wet well. The flow meter was placed back in service on March 15th.

Also attached is one discharge report.

There were no exceedances or bypasses to report.

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

Sincerely,

A handwritten signature in cursive script that reads "Duane V. Wright".

Duane V. Wright
Process Supervisor

DVW/ Cedar Creek. 03/17.

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 03/01/17 to 03/31/17	DMR Due Date:	04/28/17
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					=	8					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	=	209	=	258	26 - lb/d		=	5	=	7	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						=	362	=	456	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					=	8			=	10	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.													01/07 - Weekly	24 - COMP24	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	53	=	96	26 - lb/d		=	1	=	2	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			=	1.2	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	=	5.774	=	7.596	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	=	4.08	=	4.34	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						=	2	=	8	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	=	159	=	240	26 - lb/d		=	3	=	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															
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	330	=	501	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

Attachments

Name	Type	Size
CC032017_COVER.pdf	pdf	49514
201703CCWQTCOverflowReport.pdf	pdf	96998
CCMOR032017.pdf	pdf	58762

Report Last Saved By

Cedar Creek WQTC MSD

User: duane.wright@louisvillemsd.org | Date/Time: 2017-04-18 13:05 (Time Zone: -04:00)
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.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 01/01/17 to 03/31/17			DMR Due Date:	04/28/17				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:	Exec. Dir.				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																				
					Name						Type						Size			
					CC032017_COVER.pdf						pdf						49514			
Report Last Saved By																				
Cedar Creek WQTC MSD																				
User:	duane.wright@louisvillemsd.org			Date/Time:	2017-04-18 13:07 (Time Zone: -04:00)															
Name:	Duane Wright																			
E-Mail:	duane.wright@louisvillemsd.org																			

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: March 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					
		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		WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	30 MIN.	60 MIN.	RAW			HAULED			NH3-N (mg/L)	ECOLI		
																		GAL/DAY x 1000	MLSS x1000							GAL/DAY x 1000	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS			WITHDRAWN GALLONS x 1000	
																																			Total Phosphorus
1	11.20			7.1	7.6				9.8		204	3	144		3	1	3110	15000	6.5	1650	1530	220	200							0.81		0.343	6.66	<MDL	
2	10.06			7.2	7.9				8.7		198	3	133		3	6	5530	40000	4.8	1800	1600	250	220							0.40	36	0.367		<MDL	
3	8.08			7.3	7.9				8.1						7	5350	50000	3.3	1880	1680	300	250										16		<MDL	
4	6.04			7.2	7.8				8.5						6	5300	50000	3.7	1910	1650	280	280												<MDL	
5	5.66			7.2	7.9				8.7	482		4	429		4	4	5480	50000	2.8	2290	1860	300	300							2.60		0.662		<MDL	
6	5.25			7.2	7.9				7.5						5	5830	50000	2.9	2430	2120	340	290									1			<MDL	
7	6.89			7.5	7.5				8.5						4	8570	70000	2.6	4210	3590	610	480												<MDL	
8	8.03			7.5	7.9				8.6	292		3	223		2	4	8760	55000	3.5	3330	2900	550	440							0.20		0.594	6.93	<MDL	
9	6.53			7.3	7.9				8.8	302		3	252		3	4	6090	80000	4.0	3390	2930	500	400							0.20	1	0.63		<MDL	
10	5.34			7.4	7.9				8.6						3	8680	62000	4.0	3550	3030	600	450									1			<MDL	
11	4.95			7.4	7.7				10.0						4	7590	75000	2.1	3620	3050	600	440												<MDL	
12	4.95			7.5	7.9				9.7	398		3	330		2	4	7760	70000	4.3	3250	2700	640	510							0.20		0.92		<MDL	
13	9.31			7.5	7.9				9.6						4	7500	75000	4.5	3380	2840	640	460											1		<MDL
14	4.89			7.5	7.6				9.7						4	5690	100000	5.4	3470	3050	650	460													<MDL
15	4.65			7.5	7.8				10.0	206		13	184		4	4	9910	38000	5.8	2270	2040	360	300							0.20		1.27	9.69	1.91704	
16	4.01			7.5	8.0				10.0	410		5	370		2	2	5000	80000	5.8	2600	2290	440	330							0.20	4	1.2		3.7069	
17	4.13			7.4	7.7				10.0						2	5820	75000	5.6	2590	2270	400	320									1			3.63186	
18	4.21			7.5	7.6				9.7						2	5310	80000	4.1	2460	2160	400	330												3.84655	
19	4.10			7.6	7.7				8.7	488		3	395		3	2	5890	70000	2.9	2400	2140	330	300						2.00		1.05		3.85309		
20	3.92			7.5	7.8				8.9						2	5220	80000	2.5	2680	2340	400	310									1			2.34308	
21	3.78			7.6	7.8				8.8						2	5800	80000	2.6	2760	2430	500	400												<MDL	
22	3.66			7.5	7.9				10.0	520		3	771		3	2	5390	80000	3.4	2540	2430	400	300							0.98		0.97	8.9	1.52981	
23	3.70			7.2	7.8				9.8	518		3	483		3	2	5040	78000	3.5	2520	2250	400	310						0.20	1	0.687		3.34161		
24	3.74			7.3	7.9				8.5						2	4970	85000	3.2	2810	2480	450	310								2				3.34534	
25	3.84			7.2	7.8				9.2						2	5030	85000	3.4	2790	2350	440	310												3.51001	
26	5.11			7.2	7.8				8.4	330		8	249		7	2	6320	85000	2.4	2660	2330	360	310						5.90		0.904		5.43489		
27	6.48			7.6	8.1				8.8						3	10730	20000	3.3	1470	1400	210	300									1			5.72464	
28	8.72			7.4	7.8				8.3						5	4560	55000	3.5	1680	1620	200	200												7.49108	
29	6.02			7.6	7.9				8.4						5	8300	70000	4.2	3600	3140	400	200												5.39806	
30	5.49			7.7	7.8				8.5						5	5100	95000	4.3	3150	2800	460	310												4.76504	
31	6.27			7.7	7.6				9.2						5	7260	55000	3.3	2730	2410	460	380												5.44785	
Tot.	#####																																	65.28685	
Avg.	5.77			7.4	7.8				9.0		362	5	330		3	3.541	6351.29	3.813	2705	2368	422.3	335.5								1.16	2	0.8	8.045	4.080428125	

RESIDENTIAL FLOW 54987 INDUSTRIAL WASTE POPULATION EQUIVALENT 93542 COMMERCIAL FLOW 83081 TSS OPERATOR Joseph Smith CERT. NO. 20987 INDUSTRIAL FLOW CBOD

TOTAL NUMBER OF SEWER CONNECTIONS 0 SEWERED POPULATION 0

PLANT TELEPHONE



Report Selections: Period: 03/01/2017 00:00 thru 03/31/2017 23:59, treatment Plant: MSD0289 CEDAR CREEK, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0098540	MSD0289	CEDAR CREEK	CEDAR CREEK	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMN Sewer Main	95330	4332 WILLOWVIEW BLVD		CHENOWETH RUN	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	2701654		03/25/2017	ANDERSON IV	SANSUP-SEC OND	REPAIRED - ISSUE RESOLVED	03/25/2017	OBSTRUCTION-N OT GREASE / ROOTS	UNAUTHORIZED DISCHAGE - WATERS	03/25/17 09:29 PM	MAIN

Discharge Reporting:

Discharge Amount:	200 GAL
Cause:	OBSTRUCTION IN MAIN SEWER
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA
Impact:	SEWAGE/WATER DISCHARGING FROM MANHOLE
Repair:	FLUSHED THE OBSTRUCTION / DEBRIS FROM THE SEWER
Public Notification:	ADVISED CUSTOMER ON SITE

Notifications:

3/12/17 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV; CHARLIE.ROTH@KY.GOV'
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Total Facilities Printed: 1

Total Work Orders Printed: 1