



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

March 5, 2019

Crystal Dennis
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

**RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report for February 2019.**

Dear Mrs. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Cedar Creek WQTC, for the month of February 2019.

Also attached is a 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,

Duane V. Wright
Process Supervisor

DVW/ Cedar Creek. 2/19.

Enclosures

Cc: V. Graves
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 02/01/19 to 02/28/19	DMR Due Date:	03/28/19
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						=	8.4					19 - mg/L	01/07 - Weekly	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			=	8.1	12 - SU	01/07 - Weekly	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	=	230	=	361	26 - lb/d		=	3	=	3	19 - mg/L	01/07 - Weekly	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						=	234	=	330	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	7	=	12	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	57	=	180	26 - lb/d		=	0.6	=	1.5	19 - mg/L	01/07 - Weekly	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						=	0.4	=	0.69	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	10.071	=	14.1	03 - MGD								99/99 - Continuous	CN - CONTIN	
					Permit Req.													0	99/99 - Continuous	RE - Record (manual)
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	8.002	=	10.491	03 - MGD								99/99 - Continuous	CN - CONTIN	
					Permit Req.													0	99/99 - Continuous	RE - Record (manual)
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	3	=	45	13 - #/100mL	01/07 - Weekly	GR - GRAB			
					Permit Req.												0	01/07 - Weekly	GR - GRAB	
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	166	=	241	26 - lb/d		=	2	=	3	19 - mg/L	01/07 - Weekly	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						=	271	=	397	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												0	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.												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.												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
DischargeReport_CedarCreek_February2019.pdf	pdf	95173
CC022019_COVER.pdf	pdf	408574
CC022019_MOR.pdf	pdf	44105

Report Last Saved By

Cedar Creek WQTC MSD

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org
Date/Time: 2019-03-20 07:29 (Time Zone: -04:00)

Report Last Signed By

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org
Date/Time: 2019-03-20 08:03 (Time Zone: -04:00)



Report Selections: Period: 02/01/2019 00:00 thru 02/28/2019 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
SMH Sewer Manhole	111292	8817 OLD BARDSTOWN RD		BIG RUN	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3065006		02/12/2019	GRIMES	MAUDLIN	LIMITED CAPACITY DUE TO FLOOD OPERATIONS	02/12/2019	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	02/12/19 11:00 AM	MAIN

Discharge Reporting:

Discharge Amount:	120 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	NO DEBRIS OBSERVED.
Control Zone:	PLACED FOUR BARRICADES, CAUTION TAPE AND TEMPORARY WARNING SIGNS.
Impact:	NO IMPACT OBSERVED.
Repair:	THIS WILL BE OBSERVED FOR A FUTURE SOLUTION.
Public Notification:	MSD ADVISED BY PLACING THE TEMPORARY WARNING SIGNS.

Notifications:

3/8/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/8/19 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 1

Total Work Orders Printed: 1

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: February 2019
 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 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		WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME		RAW		HAULED			NH3-N (mg/L)	ECOLI	Total Phosphorus	Total Nitrogen		
																		GA/DA Y X 1000	MLSS X1000					GA/DA Y X 1000	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS						% DRY SOLIDS	% VOLATILE SOLIDS WITHDRAWN GALLONS X 1000
1	5.84																3	7980	80000	5.2	2830	2560	500	360											4.54079	
2	5.81																3		60000	4.6			500	350											4.68551	
3	6.04										284		3	397		3	2		60000	5.0			500	370							0.41		0.688		4.72638	
4	6.87			7.5	7.9				8.4							1	12600	60000	6.6	1390	1340	200	190								45		12.4	4.62776		
5	6.03															2	9830	60000	4.1	2370	2130	440	380											4.74017		
6	7.10															3	9860	80000	4.5	2610	2360	370	300											6.60607		
7	12.79															5	5450	60000	6.1	2240	2100	310	270											12.29219		
8	14.51															7	4600	55000	5.6	1730	1570	250	200												11.82416	
9	11.21															4		50000	3.9			250	200											7.96221		
10	9.25										182		3	192		2	3		50000	3.6			250	200						0.20		0.264		7.26388		
11	14.74				8.1				11.0							5	10520	50000	6.1	3670	3180	350	270							1		5.55		14.25898		
12	21.34			7.5												7	5160	40000	5.8	1370	1320	250	200											11.9367		
13	15.61															6	5300	50000	6.2	2270	1980	250	210											11.20554		
14	12.04															4	9460	60000	4.9	2660	2260	480	450											8.9883		
15	10.05															4	10860	60000	5.6	3150	2670	520	400											8.13155		
16	8.24															4		50000	4.6			540	420											6.64257		
17	6.98										330		3	328		2	4		50000	4.9			610	500						0.20		0.372		5.62758		
18	6.25			7.4	7.7				10.0							4	7660	100000	3.1	3740	3170	770	500							1		1.74		5.16154		
19	5.90															4	9130	100000	2.5	3590	3080	660	450											4.75357		
20	13.52															6	7610	100000	5.8	3520	3060	570	430											13.39305		
21	14.22															6	5210	65000	4.9	2220	2050	350	300											10.36693		
22	10.65															4	9030	100000	3.8	3560	3000	610	510											7.95174		
23	10.26															4		100000	4.1			540	380											9.21558		
24	14.43										140		3	165		2	6		40000	4.8			270	210						1.50		0.3		11.70531		
25	10.65			7.2	7.5				13.0							5	5550	60000	7.1	2220	2070	300	250							1		8.01		8.08764		
26	7.75															4	8590	60000	7.2	3440	2890	640	550											6.2585		
27	7.25															3	5930	75000	5.6	2990	2460	520	400											5.73257		
28	6.66															4	6690	100000	4.9	3190	2920	550	400											5.35765		
29																																				
30																																				
31																																				
Tot.	281.98															115.4																				224.0442
Avg.	10.07			7.4	7.8			10.6			234		3	271		2	4.12	7851	66964.3	5.039	2738	2409	441.1	344.6						0.58	3	0.406	6.925	8.001586429		

RESIDENTIAL FLOW 95913 INDUSTRIAL WASTE POPULATION EQUIVALENT 133644 COMMERCIAL FLOW 93590 INDUSTRIAL CBOD 133644 TSS 93590 OPERATOR Joseph Shaun Smith CERT. NO. 20987

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

502-540-6000 PLANT TELEPHONE