



Safe, clean waterways

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

September 9, 2019

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

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

There were no exceedances, discharges 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. 8/19.

Enclosures

Cc: V. Graves  
R. Shaw

**DMR Copy of Record**

<b>Permit</b>			
<b>Permit #:</b>	<b>KY0098540</b>	<b>Permittee:</b>	Cedar Creek WQTC MSD
<b>Major:</b>	Yes	<b>Permittee Address:</b>	700 W Liberty St Louisville, KY 40203
<b>Permitted Feature:</b>	001 External Outfall	<b>Discharge:</b>	<b>001-1</b> MUNICIPAL DISCHARGE
<b>Facility:</b>		<b>Facility Location:</b>	CEDAR CREEK WQTC MSD 8405 CEDAR CREEK RD LOUISVILLE, KY 40291

<b>Report Dates &amp; Status</b>			
<b>Monitoring Period:</b>	<b>From 08/01/19 to 08/31/19</b>	<b>DMR Due Date:</b>	<b>09/28/19</b>
<b>Status:</b>	<b>NetDMR Validated</b>		

**Considerations for Form Completion**

<b>Principal Executive Officer</b>			
<b>First Name:</b>	James A.	<b>Title:</b>	Exec. Dir.
<b>Last Name:</b>	Parrott	<b>Telephone:</b>	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						=	8.5					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						=	7.9			=	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	=	104	=	116	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							=	347	=	377	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.															
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample							=	12	=	15	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.															
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	8	=	9	26 - lb/d			=	0.2	=	0.3	19 - mg/L	01/07 - Weekly	24 - COMP24	
					Permit Req.	<=	250 MO AVG	<=	376 MX WK AV	26 - lb/d			<=	4 MO AVG	<=	6 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample							=	0.5	=	0.95	19 - mg/L	01/07 - Weekly	24 - COMP24		
					Permit Req.															
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	4.437	=	5.678	03 - MGD								99/99 - Continuous	CN - CONTIN	
					Permit Req.															
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	3.37	=	4.277	03 - MGD								99/99 - Continuous	CN - CONTIN	
					Permit Req.															
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample							=	4	=	7	13 - #/100mL	01/07 - Weekly	GR - GRAB		
					Permit Req.															
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	95	=	116	26 - lb/d			=	3	=	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							=	181	=	304	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.															
					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.															
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample							=	99			23 - %	01/30 - Monthly	CA - CALCTD		
					Permit Req.															
					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
CCMOR082019.pdf	pdf	43252
CC082019_COVER.pdf	pdf	427572

**Report Last Saved By**

**Cedar Creek WQTC MSD**

User: WRIGHTDUANE  
Name: Duane Wright  
E-Mail: duane.wright@louisvillemmsd.org  
Date/Time: 2019-09-17 15:47 (Time Zone: -04:00)

**Report Last Signed By**

User: WRIGHTDUANE  
Name: Duane Wright  
E-Mail: duane.wright@louisvillemmsd.org  
Date/Time: 2019-09-19 13:26 (Time Zone: -04:00)

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: August 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																									
		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 X 1000	GAL/DAY X 1000	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	Total Phosphorus	Total Nitrogen	TOTAL FLOW INF. (MILLION GALLONS)																			
																									30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000																								
																														RETURN																										
																												MLSS (mg/L) x 1000																												
1	3.99									331		3	304		3	2	4850	65000			2130	1960	210													0.26			0.3			3.06057														
2	3.93			7.5	8.1				9.6							2	4630	65000		5.8	2240	2010	210												2					2.98014																
3	3.95															2		50000		5.4			200																		3.02365															
4	3.97															2		50000		5.5			210																		3.05823															
5	3.72															2	5690	70000		3.6	2620	2280	230															11.6			2.88842															
6	3.88															2	4830	80000		4.4	2530	2330	230																		2.86635															
7	3.97															1	5900	52000		2.8	2070	1930	200																		3.03861															
8	3.81									377		3	179		3	2	4810	85000		5.3	2720	2350	210													0.25		0.3			2.96527															
9	3.91			7.2	8.0				8.7							2	4560	80000		4.1	2210	1950	200												4					2.87669																
10	3.79															2		75000		4.1			200																		2.91984															
11	3.91															2		65000		3.8			190																		3.01935															
12	3.82															2	4890	95000		3.8	2420	2240	190															15.3			2.90209															
13	4.87															2	4130	85000		2.9	2310	2030	190																		3.64165															
14	4.47															2	7100	75000		4.1	2330	2070	180																		3.49507															
15	4.20									368		3	115		2	2	5280	60000		4.9	2310	2070	190													0.23		0.954				3.22877														
16	3.99			7.5	7.9				9.8							2	5120	70000		5.9	2310	2190	190														7					2.97065														
17	4.02															2		65000		5.7			180																			3.06684														
18	4.16															2		60000		4.8			180																			3.16905														
19	3.78															2	4610	70000		3.9	2160	1950	180																11.6			2.9101														
20	3.85															2	4410	85000		4.7	2310	2030	200																			2.84072														
21	3.75															1	5530	85000		3.8	2010	1800	190																			2.81435														
22	4.63									311		3	126		3	2	5120	75000		4.3	2240	2010	190													0.21		0.3				3.45694														
23	4.97			7.3	8.1				8.5							2	4570	80000		5.4	2050	1890	180															5					3.53225													
24	4.90															2		50000		5.1			180																				3.68674													
25	4.70															2		50000		5.3			160																			3.50684														
26	6.72															1	5210	75000		5.4	2190	2010	190																	11.3			5.43892													
27	6.72															3	3250	75000		5.5	1670	1570	170																				5.56325													
28	7.11															2	5350	75000		5.6	2420	2140	200																				4.75448													
29	5.02															2	6050	55000		4.6	2280	1980	200																				3.89832													
30	4.59															2	4830	65000		3.9	2080	1820	200																				3.50185													
31	4.43															2		60000		3.8			200																				3.39614													
Tot.	137.53															53.03																											104.47214													
Avg.	4.44			7.4	8.0				9.2		347		3	181		3	1.711	5033	69258	4.607	2255	2028	194.5																	0.24	4	0.464	12.45	3.37069032												

RESIDENTIAL COMMERCIAL INDUSTRIAL                      FLOW INDUSTRIAL WASTE POPULATION EQUIVALENT 42253 39395 61095 TSS OPERATOR Duane V. Wright CERT. NO. 9053

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

502-540-6000 PLANT TELEPHONE