



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

December 11, 2018

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

**RE: Cedar Creek WQTC, KPDES No: KY0098540  
Discharge Monitoring Report for November 2018.**

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 November 2018.

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,

Duane V. Wright  
Process Supervisor

DVW/ Cedar Creek. 11/18.

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 11/01/18 to 11/30/18</b>	<b>DMR Due Date:</b>	<b>12/28/18</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	=	9.8									19 - mg/L	0	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	=	7.6					=	8.1			12 - SU	0	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	=	301	=	504	26 - lb/d		=	3	=	4	19 - mg/L	0	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						=	181	=	243	19 - mg/L	0	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																	
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	7	=	7	19 - mg/L	0	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	=	59	=	189	26 - lb/d		=	0.5	=	1.5	19 - mg/L	0	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	=	0.453	19 - mg/L	0	01/07 - Weekly	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	=	7.822	=	11.097	03 - MGD							0	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	=	6.495	=	9.551	03 - MGD							0	99/99 - Continuous	CN - CONTIN			
					Permit Req.														0	99/99 - Continuous	RE - Record (manual)	
					Value NODI																	
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	2	=	10	13 - #/100mL	0	01/07 - Weekly	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	=	238	=	332	26 - lb/d		=	3	=	3	19 - mg/L	0	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						=	134	=	178	19 - mg/L	0	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						=	98			23 - %	0	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						=	98			23 - %	0	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
CCMOR112018.pdf	pdf	45057
CC112018_COVER.pdf	pdf	407067

**Report Last Saved By**  
*Cedar Creek WQTC MSD*

User: WRIGHTDUANE  
Name: Duane Wright  
E-Mail: duane.wright@louisvillemsd.org  
Date/Time: 2018-12-21 07:22 (Time Zone: -05:00)

**Report Last Signed By**

User: WRIGHTDUANE  
Name: Duane Wright  
E-Mail: duane.wright@louisvillemsd.org  
Date/Time: 2018-12-21 07:23 (Time Zone: -05:00)

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: November 2018  
 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		WAST. ED.	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 X 1000							GAL/DAY X 1000	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS			WITHDRAWN GALLONS X 1000	
1	15.12										72		4	82			5.01	4160	20	3.2	1530	1490	110	100							1.50		0.3		12.65459
2	12.22			7.5	8.0				12.0								5.35	4180	20	5.7	1410	1290	150	130								10		10.20375	
3	9.42																5		50	2.5			280	220										7.89196	
4	6.80																5		50	2.4			260	240								6.44		5.707	
5	8.41																5.26	6200	60	2.8	2670	2290	280	260										7.38147	
6	14.49																6.72	4470	30	2.5	1640	1480	160	150										14.28047	
7	11.22																6.1	4580	60	3.7	2060	1840	210	200										8.73742	
8	7.96										172		3	143			4.45	8100	48	3.6	2750	2380	310	280							0.20	0.45		6.12514	
9	7.37			7.5	8.1				9.8								3.44	6540	80	2.6	3470	2960	370	320								1		5.675	
10	7.03																3.81		60	3.4			490	340										5.31588	
11	6.04																3.78		80	3.6			550	360										5.02459	
12	5.52																3.71	7840	80	2.7	4200	3490	550	450							6.4		4.5273		
13	5.53																3.53	7980	72	4.1	3860	3250	550	400										4.58699	
14	5.32																3.5	6850	80	4	3590	3030	490	400										4.41601	
15	13.26										243		3	133			5.06	8670	40	4.2	2360	2120	300	240							0.20	0.45		12.20353	
16	11.52			7.5	7.6				12.0								5.52	4840	50	4.7	1670	1510	200	180							1			9.13948	
17	8.04																5.59		60	3.9			230	200										6.6488	
18	7.30																4.52		60	3.7			250	290										6.04912	
19	6.73																3.81	6210	78	2.3	1200	1190	140	130								7.48		5.30824	
20	5.97																3.78	5870	70	4.4	2660	2150	380	300										4.89301	
21	5.74																3.54	5920	70	4.3	2780	2400	350	300										4.75027	
22	5.57																3.12		60	4			380	310										4.56349	
23	5.17																3.22		60	4.2			370	320										4.17023	
24	7.30																3.07		60	2.3			390	340										5.92547	
25	6.67										236		3	178			3.03		60	3			400	360							0.20	0.3		5.37601	
26	6.51			7.5	8.0				11.0								3.26	7430	75	3.9	3060	2770	400	320							1	6.31		5.23693	
27	5.81																3.28	7670	75	4.2	2840	2470	430	340										4.69577	
28	5.50																3.31	6650	75	4.4	2890	2570	410	330										4.4264	
29	5.27																3.39	5780	75	4.8	2880	2440	400	320										4.23981	
30	5.82																3.39	7540	75	4.3	2640	2590	400	310										4.68554	
31																																			
Tot.	234.66																126																		194.83967
Avg.	7.82			7.5	7.9				11.2		181		3	134			4.19	6374	61.1	3.65	2608	2286	340	281							0.53	2	0.38	6.66	6.494655667

RESIDENTIAL COMMERCIAL INDUSTRIAL FLOW CBOD TSS OPERATOR CERT. NO.  
 74494 51420 56148 Mike Stephenson 9616

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

502-540-6000  
 PLANT TELEPHONE