



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

August 8, 2018

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

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

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. 07/18.

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

<b>Report Dates &amp; Status</b>					
<b>Monitoring Period:</b>	<b>From 07/01/18 to 07/31/18</b>	<b>DMR Due Date:</b>	<b>08/28/18</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>Telephone:</b>	502-540-6000
<b>Last Name:</b>	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	
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						=	8					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	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	=	113	=	180	26 - lb/d		=	3	=	3	19 - mg/L	01/07 - Weekly	24 - COMP24		
					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						=	280	=	490	19 - mg/L	01/07 - Weekly	24 - COMP24			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	8	=	11	19 - mg/L	01/07 - Weekly	24 - COMP24			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	28	=	70	26 - lb/d		=	0.8	=	2	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						=	0.3	=	0.3	19 - mg/L	01/07 - Weekly	24 - COMP24			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	4.35	=	5.326	03 - MGD										
					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	=	3.905	=	4.579	03 - MGD										
					Permit Req.													0	99/99 - Continuous	RE - Record (manual)
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	3	=	9	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	=	112	=	180	26 - lb/d		=	3	=	4	19 - mg/L	01/07 - Weekly	24 - COMP24		
					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						=	231	=	347	19 - mg/L	01/07 - Weekly	24 - COMP24			
					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
CC072018_COVER.pdf	pdf	371082
CC072018_MOR.pdf	pdf	45695

**Report Last Saved By**

**Cedar Creek WQTC MSD**

User: WRIGHTDUANE  
Name: Duane Wright  
E-Mail: duane.wright@louisvillemsd.org  
Date/Time: 2018-08-24 07:28 (Time Zone: -04:00)

**Report Last Signed By**

User: WRIGHTDUANE  
Name: Duane Wright  
E-Mail: duane.wright@louisvillemsd.org  
Date/Time: 2018-08-24 07:28 (Time Zone: -04:00)

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: July 2018

KPDES PERMIT NUMBER KY0098540

PLANT CAPACITY 7.5 MGD

RECEIVING STREAM CEDAR CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		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 X1000	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							
																									30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000									
																																			Total Phosphorus	Total Nitrogen	TOTAL FLOW INF. (MILLION GALLONS)				
1	4.17										113	3	110		2	2.4		55000	2.2			460	350								2.00		0.3		3.78027						
2	4.01			7.5	8.0				8.0							2.5	6020	75000	2.2	2770	2350	390	340									2		8.98		3.60034					
3	4.01															2.6	5500	88000	3.8	3140	2660	360	300													3.56721					
4	3.83															2.6		65000	4.6			400	330													3.5344					
5	3.72															2.5	5680	80000	4.2	2800	2390	350	310													3.35404					
6	3.55															2.5	5020	85000	4.1	2870	2470	370	310													3.18102					
7	3.44															2.5		55000	3.8			380	300													3.06877					
8	3.37										153	3	131		3	2.4		55000	3.3			390	340								0.53		0.3			3.07846					
9	3.42			7.4	8.0				10.0							2.3	4940	83000	4.2	2680	2320	360	330									4		9.86		2.99205					
10	3.17															2.2	4780	88000	3.9	2740	2360	370	300													2.90315					
11	3.28															2.1	4460	90000	3.8	2650	2260	370	300													2.89383					
12	3.06															2.0	4990	85000	4.6	2790	2380	330	300														2.78543				
13	3.09															2.0	5250	100000	4.2	3470	3060	320	300														2.75517				
14	3.11															1.9		60000	4.0			320	300													2.80717					
15	3.37										490	3	337		4	1.9		60000	3.7			360	310								0.41		0.3			2.89613					
16	3.54			7.1	7.9				9.7							2.0	6010	75000	4.6	2900	2610	350	300								1		11.3			3.03341					
17	3.16															2.0	4920	85000	3.9	2700	2410	350	300														2.85771				
18	3.07															1.9	4870	95000	3.5	3060	2780	340	310														2.74696				
19	2.94															1.9	5300	73000	3.8	2520	2390	340	290														2.67876				
20	4.56															1.9	5860	65000	3.8	2500	2150	330	280														5.1012				
21	10.50															4.9		55000	4.0			310	270														9.5306				
22	7.21										364	3	347		3	5.4		55000	3.9			400	360									0.27		0.3			6.42112				
23	7.84			7.1	7.9				10.0							4.6	7700	38000	3.7	2010	1970	230	200												9		1.1	6.36396			
24	5.09															3.7	8390	75000	4.0	4160	3500	480	400														4.66041				
25	4.46															3.8	6750	95000	3.4	4240	3540	530	410														4.08169				
26	5.00															2.8	4940	100000	4.4	3310	2830	360	300															3.70556			
27	3.90															2.1	5030	70000	3.9	2230	2200	310	270															3.47492			
28	3.77															2.1		55000	4.3			300															3.3466				
29	3.83															2.1		55000	4.1			300															3.34446				
30	3.77															2.1	5100	85000	4.2	2780	2760	350	310															3.26019			
31	9.63															3.5	9800	30000	3.2	1890	1820	270	240															9.26423			
Tot.	134.86															81																						121.06922			
Avg.	4.35			7.3	8.0				9.4		280	3	231		3	2.61	5777	71935.5	3.85	2867	2534	357	309														0.80	3	0.3	7.81	3.90545871

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT  
41433 FLOW  
49355 CBOD  
48377 TSS

Shaun Smith  
OPERATOR

####  
CERT. NO.

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

0 SEWERED POPULATION

502-540-6000  
PLANT TELEPHONE