



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

September 5, 2018

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

**RE: Cedar Creek WQTC, KPDES No: KY0098540  
Discharge Monitoring Report for August 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 August 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. 08/18.

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>	From 08/01/18 to 08/31/18	<b>DMR Due Date:</b>	09/28/18	<b>Status:</b>	NetDMR Validated

**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						=	8.6					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						=	7.8			=	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	=	142	=	201	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						=	322	=	408	19 - mg/L	01/07 - Weekly	24 - COMP24				
					Permit Req.																
					Value NODI																
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	5	=	11	19 - mg/L	01/07 - Weekly	24 - COMP24				
					Permit Req.																
					Value NODI																
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	12	=	19	26 - lb/d		=	0.2	=	0.37	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	=	0.4	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	=	5.567	=	8.544	03 - MGD								99/99 - Continuous	RE - Record (manual)		
					Permit Req.																
					Value NODI																
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	4.842	=	7.647	03 - MGD								99/99 - Continuous	RE - Record (manual)		
					Permit Req.																
					Value NODI																
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	1	=	2	13 - #/100mL	01/07 - Weekly	GR - GRAB				
					Permit Req.																
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	94	=	134	26 - lb/d		=	2	=	2	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						=	212	=	260	19 - mg/L	01/07 - Weekly	24 - COMP24				
					Permit Req.																
					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.																
					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
CC082018_COVER.pdf	pdf	375852
CCMOR082018.pdf	pdf	45935

**Report Last Saved By**

**Cedar Creek WQTC MSD**

User: staci.huber@louisvillemsd.org  
Name: Staci Huber  
E-Mail: staci.huber@louisvillemsd.org  
Date/Time: 2018-09-19 12:47 (Time Zone: -04:00)

**Report Last Signed By**

User: WRIGHTDUANE  
Name: Duane Wright  
E-Mail: duane.wright@louisvillemsd.org  
Date/Time: 2018-09-19 13:32 (Time Zone: -04:00)

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: August 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		Total Phosphorus	Total Nitrogen	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	GAL/DAY X 1000	MLSS X 1000	GAL/DAY X 1000	WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLYSS (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		
1	8.03												240		3	192		2	4.56	6430	60	4.9	1620	1320	230	210							0.20		0.333		7.04483		
2	7.02			7.2	7.9				10.0										4.47	6930	60	4.6	2560	2400	340	300							1			6.20526			
3	5.49																		4.57	7170	60	3.8	2630	2500	360	290										4.9148			
4	5.35																		4.47		60	3.9				350										4.74074			
5	5.65																		2.37		50	3.4				330									4.79	4.20962			
6	4.46																		1.85	11740	60	1.8	2640	2430	350	280										3.79329			
7	4.26																		1.98	7200	58	4.2	2730	2600	340	300										3.56568			
8	4.85												350		3	223		2	1.92	6330	70	3.8	2930	2870	350	300							0.20		0.3	4.15778			
9	4.50			7.2	7.8				10.0										1.93	6700	65	4.3	2820	2750	320	280								2			3.85418		
10	4.08																		1.96	6450	65	4.3	2800	2400	300	280										3.54411			
11	4.06																		1.95		55	3.2				310	270										3.51323		
12	3.91																		1.91		55	3.9				290	260										10.5	3.46611	
13	3.77																		1.85	5930	70	4.1	2780	2500	290	270											3.26188		
14	3.58																		1.81	5720	70	3.6	2650	2280	300	280											3.13934		
15	3.70												408		3	260		2	1.78	5560	75	4.4	2800	2430	300	270									0.20	0.3	3.17362		
16	13.31			7.2	8.0				8.6										4.8	7420	50	4.1	2500	2230	280	250									1			15.60636	
17	12.09																		7.01	4830	57	3	1670	1620	180	150											9.92299		
18	9.17																		7.01		50	1.8				180	150											7.84677	
19	9.22																		6		60	4.2				280	210										5.07	7.05922	
20	6.91																		4.49	9170	58	3.1	3400	3120	370	320											5.22726		
21	5.41																		4.29	5920	80	4.1	3210	2940	350	300											4.69463		
22	6.06												288		3	171		2	2.47	8620	57	4	3130	2830	370	320									0.37	0.412	4.55443		
23	5.01			7.3	8.1				9.2										1.84	11960	34	3.4	2850	2680	300	270										1		4.09557	
24	4.32																		1.77	9480	45	3.2	2910	2670	350	300											3.79588		
25	4.50																		1.47		40	3.2				340	300											3.86143	
26	4.51																		1.31		40	3.6				300	270										1.3	3.91202	
27	4.10																		1.82	6320	71	4.2	2860	2610	320	290											3.53614		
28	3.99																		1.79	5670	70	3.6	2600	2470	320	290											3.34754		
29	3.85																		1.75	5550	55	3.6	2680	2280	320	290											3.31516		
30	3.73																		1.69	5710	55	3.7	2600	2500	310	280											3.23293		
31	3.71																		1.62	5130	70	4.1	2360	2210	300	270											3.49737		
Tot.	172.57																		90.51																			150.09017	
Avg.	5.57			7.2	8.0				9.5				322		3	212		2	2.92	7041	58.87	3.713	2684	2463	310.6	270.7									0.24	1	0.336	5.415	4.841618387

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT  
53018 FLOW  
57762 CBOD  
71079 TSS

Mike Stephenson OPERATOR  
9616 CERT. NO.

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

502-540-6000  
PLANT TELEPHONE