



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

April 21, 2020

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

**RE: Cedar Creek WQTC, KPDES No: KY0098540  
Discharge Monitoring Report for March 2020.**

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 March 2020.

Also attached is the first quarter biomonitoring DMR.

There were no exceedances, bypasses or discharges to report.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6952.

Sincerely,

William Ford  
Process Supervisor-Operations

WEF/ Cedar Creek 3/20.

Enclosures

Cc: V. Graves  
R. Shaw

# DMR Copy of Record

<b>Permit</b>			
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

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 03/01/20 to 03/31/20	DMR Due Date:	04/28/20
Status:	NetDMR Validated		

**Considerations for Form Completion**

<b>Principal Executive Officer</b>			
First Name:	James A.	Title:	Executive Director
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						=	8.6					19 - mg/L	01/07 - Weekly	GR - GRAB	
					Permit Req.					>=	7.0 INST MIN					19 - mg/L	0	01/07 - Weekly	GR - GRAB	
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.6			=	7.9	12 - SU	01/07 - Weekly	GR - GRAB	
					Permit Req.					>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0	01/07 - Weekly	GR - GRAB	
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	409.0	=	565.0	26 - lb/d			=	6.0	=	8.0	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	1877.0 MO AVG	<=	2815.0 MX WK AV	26 - lb/d			<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	182.0	=	220.0	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.															
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample								=	8.0	=	10.0	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.															
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	48.0	=	76.0	26 - lb/d			=	0.7	=	1.0	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	626.0 MO AVG	<=	939.0 MX WK AV	26 - lb/d			<=	10.0 MO AVG	<=	15.0 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample								=	0.3	=	0.343	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.															
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	8.798	=	11.303	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	=	7.582	=	9.752	03 - MGD								99/99 - Continuous	CN - CONTIN	
					Permit Req.															
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample								=	3.0	=	13.0	13 - #/100mL	01/07 - Weekly	GR - GRAB	
					Permit Req.															
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	169.0	=	215.0	26 - lb/d			=	3.0	=	3.0	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	626.0 MO AVG	<=	939.0 MX WK AV	26 - lb/d			<=	10.0 MO AVG	<=	15.0 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								=	98.0	=	142.0	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								=	97.0			23 - %	01/30 - Monthly	CA - CALCTD	
					Permit Req.															
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample								=	97.0			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
CCMOR032020.pdf	pdf	93447.0
CCCoverletter032020.pdf	pdf	68014.0

**Report Last Saved By**

**Cedar Creek WQTC MSD**

User: WILLIAM.FORD@LOUISVILLEMSD.ORG  
Name: William Ford  
E-Mail: william.ford@louisvillemsd.org  
Date/Time: 2020-04-22 08:02 (Time Zone: -04:00)

**Report Last Signed By**

User: WILLIAM.FORD@LOUISVILLEMSD.ORG  
Name: William Ford  
E-Mail: william.ford@louisvillemsd.org  
Date/Time: 2020-04-22 08:03 (Time Zone: -04:00)

## DMR Copy of Record

### Permit

Permit #:	KY0098540	Permittee:	Cedar Creek WQTC MSD	Facility:	CEDAR CREEK WQTC MSD
Major:	Yes	Permittee Address:	700 W Liberty St Louisville, KY 40203	Facility Location:	8405 CEDAR CREEK RD LOUISVILLE, KY 40291
Permitted Feature:	001 External Outfall	Discharge:	001-2 TOXICITY		

### Report Dates & Status

Monitoring Period:	From 01/01/20 to 03/31/20	DMR Due Date:	04/28/20	Status:	NetDMR Validated
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### Considerations for Form Completion

THREE 24-HOUR COMPOSITE SAMPLES ONE EACH COLLECTED EVERY OTHER DAY FOR A PERIOD OF 5 DAYS; IE - DAYS 1, 3 & 5

### Principal Executive Officer

First Name:	James A.	Title:	Executive Director	Telephone:	502-540-6000
Last Name:	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			
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample						<	1.0	2G - tox chronic		01/90 - Quarterly	24 - COMP24	
					Permit Req.						<=	1.0 MAXIMUM	2G - tox chronic		01/90 - Quarterly	24 - COMP24	
					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
CCCoverletter032020.pdf	pdf	68014.0

### Report Last Saved By

#### Cedar Creek WQTC MSD

User: WILLIAM.FORD@LOUISVILLEMSD.ORG  
 Name: William Ford  
 E-Mail: william.ford@louisvillemmsd.org  
 Date/Time: 2020-04-22 08:06 (Time Zone: -04:00)

### Report Last Signed By

User: WILLIAM.FORD@LOUISVILLEMSD.ORG  
 Name: William Ford  
 E-Mail: william.ford@louisvillemmsd.org  
 Date/Time: 2020-04-22 08:06 (Time Zone: -04:00)

NAME OF TREATMENT PLANT CEDAR CREEK WTP  
 KPDES PERMIT NUMBER KY0098540  
 COUNTY JEFFERSON  
 PLANT CAPACITY 7.5 MGD  
 MONTH OF: March 2020  
 RECEIVING STREAM CEDAR CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		SETTLEABLE 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	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	TOTAL FLOW INF. (MILLION GALLONS)			
																									30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000						% DRY SOLIDS		
1	6.51									192			94			3	3	50000			5.0			600														
2	9.01			7.6	7.9				8.6							3	14290	75000			5.8	3520	3100	640										1.00		0.3	8.31	5.666
3	11.66															4	8830	75000			6.0	2780	2520	380														7.836
4	9.01															4	6680	75000			6.0	2590	2260	410														10.25
5	7.47															4	8110	75000			6.0	3600	3100	590														7.37
6	6.71															4	6240	75000			4.6	3310	2810	610													6.393	
7	6.28															4		65000			5.3			600														5.759
8	6.28									220		5	142			4		55000			4.2			600													5.548	
9	11.65			7.4	7.8				9.2							8	5860	85000			4.4	3500	2730	620								0.34		0.343	10.1	5.548		
10	6.70															4	7050	80000			4.3	3710	3050	610										5			10.18	
11	6.56															4	8360	85000			4.5	3650	3000	600													5.83344	
12	7.65															4	6400	85000			4.2	3710	3210	650													5.63633	
13	14.10															6	6470	45000			3.2	2120	1820	200													7.17239	
14	12.42															6		60000			3.4			270													12.25158	
15	12.91									132		5	60			6		50000			3.7			260													10.78655	
16	9.73			7.3	7.6				8.9							5	6820	50000			3.8	2260	1890	260									0.71		0.3	7.67	11.23561	
17	8.09															4	6050	55000			4.1	2420	2080	300									13				8.12325	
18	10.18															4	10590	55000			3.9	4060	3140	640													6.96943	
19	14.04															4	9460	32000			3.7	2260	1830	310													8.30844	
20	13.43															6	5340	60000			4.7	1800	1530	260													12.62897	
21	10.74															6		50000			4.6			320													11.66941	
22	8.47									184		8	96			6		50000			5.6			400													9.32711	
23	7.46			7.5	7.9				10.5							6	4790	85000			6.3	2810	2390	400									0.63		0.3	6.47	7.20133	
24	7.79															5	5340	105000			4.5	3890	3220	640													6.47111	
25	8.17															4	8280	55000			4.4	3550	3040	500													6.10162	
26	7.18															4	10480	55000			4.0	3930	3190	640													6.9406	
27	6.56															4	8970	80000			4.2	4440	3720	640													6.08077	
28	6.43															4		65000			4.2			610													5.66912	
29	7.34															4		65000			4.3			620													5.46812	
30	6.23															4	10400	58000			4.3	4210	3460	650													6.19718	
31	5.97															4	5650	105000			6.1	4160	3430	650													5.35625	
Tot.	8.80			7.5	7.8				9.3							139.4	4.496	7884.5			4.62	3285	2751	499.4													235.04715	
Avg.	8.80			7.5	7.8				9.3							139.4	4.496	7884.5			4.62	3285	2751	499.4													235.04715	

RESIDENTIAL  
 COMMERCIAL  
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

83788 FLOW  
 42298 CBOD  
 63590 TSS

Joseph Shaun Smith

20987

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

PLANT TELEPHONE