



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

July 15, 2019

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

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

There were no exceedances to report.

Also attached is a bypass, discharge and 2nd quarter biomonitoring NETDMR.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6031.

Sincerely,

Kevin Thompson
Process Supervisor

KLT/ Cedar Creek. 6/19.

Enclosures

Cc: V. Graves
R. Shaw

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 04/01/19 to 06/30/19			DMR Due Date:	07/28/19				Status:	NetDMR Validated										
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	Value 3	Units				
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--											<	1	2G - tox chronic	01/90 - Quarterly	24 - COMP24	
															<=	1 MAXIMUM	2G - tox chronic	01/90 - Quarterly	24 - COMP24	
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																				
No attachments.																				
Report Last Saved By																				
Cedar Creek WQTC MSD																				
User:	staci.huber@louisvillemsd.org																			
Name:	Staci Huber																			
E-Mail:	staci.huber@louisvillemsd.org																			
Date/Time:	2019-07-16 09:34 (Time Zone: -04:00)																			
Report Last Signed By																				
User:	kevin.thompson@louisvillemsd.org																			
Name:	Kevin Thompson																			
E-Mail:	kevin.thompson@louisvillemsd.org																			
Date/Time:	2019-07-17 08:27 (Time Zone: -04:00)																			

DMR Copy of Record

Permit			
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

Report Dates & Status			
Monitoring Period:	From 06/01/19 to 06/30/19	DMR Due Date:	07/28/19
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
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						=	9.6					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						=	8			=	8.2	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	=	298	=	484	26 - lb/d		=	4	=	4	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						=	274	=	360	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						=	9	=	14	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	=	79	=	144	26 - lb/d		=	1	=	1.6	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	=	0.7	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	=	8.788	=	10.887	03 - MGD								99/99 - Continuous	RE - Record (manual)	
					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	=	7.162	=	9.02	03 - MGD								99/99 - Continuous	RE - Record (manual)	
					Permit Req.													0	99/99 - Continuous	RE - Record (manual)
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	3	=	5	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	=	220	=	363	26 - lb/d		=	3	=	3	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						=	139	=	183	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						=	98			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
DischargeReport_CedarCreek_June2019.pdf	pdf	96159
CC06172019_BYPASSLETTER.pdf	pdf	563991
201906_CedarCreek_coverletter.pdf	pdf	46899
201906_DRG_MOR.pdf	pdf	80095

Report Last Saved By

Cedar Creek WQTC MSD

User: staci.huber@louisvillemad.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemad.org
Date/Time: 2019-07-16 09:34 (Time Zone: -04:00)

Report Last Signed By

User: kevin.thompson@louisvillemad.org
Name: Kevin Thompson
E-Mail: kevin.thompson@louisvillemad.org
Date/Time: 2019-07-17 08:26 (Time Zone: -04:00)

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: June 2019

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		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 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		
1	5.87															3.52		50000		5.1			350													4.91508				
2	5.50															3.38		50000		4.8			340										0.62		0.3		4.59417			
3	4.93			7.4	8.0				9.6							3.28	5800	40000	3.1	2970	2530	300													4		14.2	4.05536		
4	4.78															3.39	6760	75000	3.6	3410	2830	350															3.86235			
5	4.82															3.34	6150	85000	3.5	3390	2830	340															3.88707			
6	6.76															3.42	7050	68000	5.4	3160	2650	300															5.36217			
7	6.20															3.43	7310	75000	4.8	3460	2940	320															4.88086			
8	10.59															3.18		60000	4.6				300														8.61214			
9	14.52															4.73		70000	4.8				280											0.77		0.3		13.70937		
10	13.81			7.4	8.1				9.9							7.01	5680	0	4.9	1850	1760	170												2		7.48	11.23077			
11	10.17															5.43	4500	62000	5.1	1930	1710	220															7.37535			
12	8.12															4.5	5260	60000	5.2	2260	1980	240																6.67006		
13	6.60															3.68	8140	90000	3.6	3970	3260	400																5.03377		
14	5.29															3.72	9890	90000	4.8	3630	2960	380																4.45533		
15	5.32															3.4			4.9				390															4.30985		
16	6.60															3.37		50000	4.6				400											0.88		0.744		5.71066		
17	15.70			7.3	8.2				9.7							5.61	5580	40000	4.2	1590	1270	150													5		6.54	15.64452		
18	15.87															6.92	5530	50000	3.6	1780	1580	150																12.92429		
19	13.14															6.7	5980	70000	3.5	2640	2190	230																9.86714		
20	11.47															5.46	8770	90000	3.1	3250	2680	290																8.53624		
21	8.12															3.3	6410	80000	5.8	3420	3310	340																	6.14402	
22	12.29															4.04		60000	4.1				360															10.5164		
23	10.79															5.21		50000	5.2				150												1.60		0.626		8.69265	
24	12.19			7.3	8.0				10.4							4	5030	60000	4.0	1670	1470	160														1		7	9.35921	
25	10.78															3.11	11310	60000	5.6	2630	2240	280																8.77276		
26	8.00															3.17	9430	60000	6.1	3370	2790	300																	6.46264	
27	7.67															2.38	6660	72000	5.2	3290	2730	300																	5.41444	
28	6.16															1.61	12560	30000	4.4	2370	2000	210																	4.78163	
29	5.72															1.7		50000	5.1				260															4.54661		
30	5.88															1.64		50000	5.3				200															4.54221		
31																																								
Tot.	263.63															117.6																							214.86912	
Avg.	8.79			7.4	8.1				9.9							274		4	139		3	3.921	7190	60241	4.6	2802	2386	282							0.97	3	0.493	8.805	7.162304	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
83693
FLOW

59925
CBOD

95451
TSS

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

PLANT TELEPHONE

Report Selections: Period: 06/01/2019 00:00 thru 06/30/2019 23:59, treatment Plant: MSD0289 CEDAR CREEK, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0098540	MSD0289	CEDAR CREEK	CEDAR CREEK	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0289	8405 CEDAR CREEK RD		CEDAR CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3119657		06/17/2019	WRIGHT	WRIGHT	REPAIRED - ISSUE RESOLVED	07/12/2015	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATER S	06/17/19 07:13 AM	

Discharge Reporting:

Discharge Amount:	300 GAL
Cause:	THERE WAS HEAVY RAIN.
Clean Up:	THERE WAS NOT ANY DEBRIS.
Control Zone:	NO REQUIRED.
Impact:	WAS TREATED BUT NOT DISINFECTED SEWAGE ON PARKING LOT.
Repair:	WE OPENED SAND FILTER BYPASS GATE.
Public Notification:	WE PUT UP PERMANENT SIGNS ALONG CREEK.

Notifications:

6/17/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/17/19 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 1

Total Work Orders Printed: 1



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

June 19, 2019

Todd Giles
District Supervisor
KY Division of Water
Louisville Regional Office
9116 Leesgate Road
Louisville, KY 40222-5084

Re: Bypass Report for the:
Cedar Creek WQTC - KPDES Permit: KY0098540

To whom it may concern:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 1 PM on June 17, 2019, referencing Work Order 3119657 as a Wet Weather Discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: This plant experienced a bypass of the sand filters due to heavy rain. The plant effluent flow at the time of bypass was 21 MGD. The sand filter bypass gate was opened, but not far enough to relieve flow going to the filters. Approximately 300 gallons of treated, but not disinfected, wastewater bypassed.
- Period of noncompliance: Starting 0710 AM on June 17, 2019, and stopping 0713 AM on June 17, 2019.
- Steps taken or planned to reduce, elimination and prevent recurrence Open the sand filter bypass gate more during heavy flow..
- Additional comments: No further comments.

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-587-5849, my cell phone at (502)-396-9142 or via email at dusne.wright@louisvillemsd.org.

Sincerely,

Duane V. Wright
Process Supervisor

cc: Paul Bridges, KDEP
Legal Department, MSD
eB File