



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

March 19, 2018

Cheryl Edwards
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

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

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Cedar Creek WQTC, for the month of February 2018.

Also attached are discharge reports

There were no exceedances 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. 02/18.

Enclosures

Cc: V. Graves
R. Shaw

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 02/01/18 to 02/28/18	DMR Due Date:	03/28/18
Status:		NetDMR Validated	

Considerations for Form Completion

Principal Executive Officer			
First Name:	James A.	Title:	Exec. Dir
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						=	11					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						=	7.6			=	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	=	336	=	495	26 - lb/d		=	4	=	6	19 - mg/L	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						=	158	=	242	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	10	=	13	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	147	=	267	26 - lb/d		=	2	=	4	19 - mg/L	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	=	0.6	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	9.665	=	14.526	03 - MGD								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	=	7.752	=	9.707	03 - MGD								99/99 - Continuous	CN - CONTIN	
					Permit Req.													0	99/99 - Continuous	RE - Record (manual)
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	4	=	31	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	=	348	=	635	26 - lb/d		=	5	=	10	19 - mg/L	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						=	83	=	103	19 - mg/L	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						=	94			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						=	97			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
201802CCWQTCOverflowReport.pdf	pdf	101677
CC022018_COVER.pdf	pdf	375854
CCMOR022018.pdf	pdf	43805

Report Last Saved By

Cedar Creek WQTC MSD

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org
Date/Time: 2018-03-28 07:02 (Time Zone: -04:00)

Report Last Signed By

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org
Date/Time: 2018-03-28 07:02 (Time Zone: -04:00)

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: February 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	RETURN		MLSS (mg/L)	MLVSS (mg/L)	SETTLED SLUDGE VOLUME		RAW			HAULED			NH3-N (mg/L)	ECOLI	Total Phosphorus	Total Nitrogen	TOTAL FLOW INF. (MILLION GALLONS)				
																		GAL/DAY X 1000	MLSS x1000			GAL/DAY X 1000	IN/ST. FEET	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS						% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000		
1	5.24																3	12690	60000	5.2	1920	1740	250	220										0.25		0.598		4.55487
2	5.04			7.7	8.0				12.0								2	11050	70000	4.6	2440	2190	340	260										31			4.45293	
3	5.18																2		50000	4.7			360	300													4.42303	
4	5.49																2		50000	4.8			360	290													4.84423	
5	5.06																2	11060	35000	4.6	2600	2320	350	290											12.67	4.45964		
6	4.76																2	8180	47000	4.8	2610	2320	400	350													4.19484	
7	8.89																2	10000	38000	5.4	2590	2340	300	250													8.95032	
8	7.62			7.5						153		6	83			10	3	5090	58000	5.4	1960	1790	240	200								4.20		0.3		6.51223		
9	6.45				7.6				11.0								5	6680	75000	5.0	3260	2860	420	350									1			5.57101		
10	6.58																5		50000	4.7			400	330												5.68911		
11	8.97																5		50000	4.5			410	340												8.57819		
12	9.57																5	6410	57000	5.4	2390	2170	280	230										9.07		8.30192		
13	7.91																6	5580	68000	5.7	2650	2320	330	280													6.35977	
14	8.56																5	6110	80000	6.0	3300	2900	420	300													7.52504	
15	9.91			7.2						141		3	88			2	4	6830	52000	5.0	2500	2200	290	250							3.10		0.3			8.4807		
16	13.28				7.8				12.0								4	6620	37000	5.8	1920	1750	240	200									1			12.9204		
17	12.40																6		50000	4.1			250	200												10.85093		
18	11.07																7		50000	4.2			250	200												9.75285		
19	10.11																7	5150	65000	4.3	2500	2200	300	250										9.11		8.0702		
20	8.20																7	6640	55000	4.1	2620	2290	300	250												7.06874		
21	8.66																7	7510	83000	3.3	3950	3470	520	450												7.55814		
22	16.24																7	4560	55000	5.4	2000	1810	250	220													16.30251	
23	18.57																7	6050	38000	6.1	1790	1590	200	160													15.61266	
24	16.06																7		40000	5.0			200	160													10.40174	
25	19.77									95		3	58			2	7		40000	4.1			200	160							0.32		0.3			3.59769		
26	11.87			7.4	7.6				12.0								7	4700	80000	4.6	2760	2300	280	250									10		7.56		6.24013	
27	10.27																7	4410	85000	5.4	2610	2050	280	250													8.18999	
28	8.91																7	4900	80000	3.4	2680	2210	300	260													7.60506	
29																																						
30																																						
31																																						
Tot.	270.61																	139.5																			217.06887	
Avg.	9.66			7.5	7.8				11.8		158		4	83		5	4.983	7011	57071	4.843	2553	2241	311.4	258.9									1.97	4	0.375	9.603	7.752459643	

RESIDENTIAL FLOW 92044 INDUSTRIAL WASTE POPULATION EQUIVALENT 39353 CBOD 60548 TSS Mike Stephenson OPERATOR 9616 CERT. NO.

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

502-540-6000 PLANT TELEPHONE

Report Selections: Period: 02/01/2018 00:00 thru 02/28/2018 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
SMH Sewer Manhole	97364	10800 FAIRMOUNT RD		BIG RUN	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2869416		02/24/2018	CATALANO JR	MORRIS	BEYOND APPROVED DESIGN STORM	02/24/2018	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	02/27/18 04:00 PM	

Discharge Reporting:

Discharge Amount:	87,750 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA
Impact:	SEWAGE/WATER DISCHARGING FROM MANHOLE
Repair:	A SOLUTION FOR THIS LOCATION CAN BE LOCATED IN THE IOAP
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA

Notifications:

2/23/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG'
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Report Selections: Period: 02/01/2018 00:00 thru 02/28/2018 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
SMH Sewer Manhole	97365	10800 FAIRMOUNT RD		BIG RUN	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2869194		02/23/2018	CUNNINGHAM	HARRETT	BEYOND APPROVED DESIGN STORM	02/23/2018	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	03/01/18 10:06 AM	

Discharge Reporting:

Discharge Amount:	1,078,500 GAL
Cause:	HEAVY RAIN LACK OF SYSTEM CAPACITY
Clean Up:	MSD PERSONNEL WILL CLEAN AND SANITIZE THE IMPACTED AREA
Control Zone:	TEMPORARY SIGNS PLACED AROUND IMPACTED AREA
Impact:	SEWAGE AND STORMWATER OBSERVED OVERFLOWING FROM MANHOLE
Repair:	RAIN EVENT BEYOND LEVEL OF PROTECTION
Public Notification:	TEMPORARY SIGNS POSTED TO ALERT THE PUBLIC

Notifications:

2/23/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG'
2/23/18 1:00 am	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'



Report Selections: Period: 02/01/2018 00:00 thru 02/28/2018 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
SMH Sewer Manhole	97366	11510 BARDSTOWN FALLS RD		BIG RUN	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2869291		02/23/2018	FRENCH	HARRETT	BEYOND APPROVED DESIGN STORM	02/23/2018	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	02/24/18 08:00 AM	

Discharge Reporting:

Discharge Amount:	36,000 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	WO
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED
Impact:	DEBRIS ON GROUND
Repair:	RAINFALL BEYOND LEVEL OF PROTECTION
Public Notification:	WEBSITE UPDATED

Notifications:

2/23/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG'
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Total Facilities Printed: 3

Total Work Orders Printed: 3