



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

October 23, 2018

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

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

Also attached are discharge reports and the third quarter biomonitoring DMR.

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. 09/18.

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:	001-1 MUNICIPAL DISCHARGE		

Report Dates & Status					
Monitoring Period:	From 09/01/18 to 09/30/18	DMR Due Date:	10/28/18	Status:	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer					
First Name:	James A.	Title:	Exec. Dir.	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	
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						=	9					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	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	=	205	=	337	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						=	282	=	410	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						=	7	=	8	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	=	24	=	40	26 - lb/d		=	0.4	=	0.6	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						=	0.3	=	0.4	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	=	7.105	=	12.106	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	=	5.853	=	9.5	03 - MGD										
					Permit Req.												0	99/99 - Continuous	RE - Record (manual)	
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	8	=	99	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	=	156	=	224	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						=	201	=	320	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
CC092018_MOR.pdf	pdf	44395
September2018_OverflowReport_CedarCreek.pdf	pdf	103516
CC092018_COVER.pdf	pdf	426524

Report Last Saved By

Cedar Creek WQTC MSD

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org
Date/Time: 2018-10-25 12:12 (Time Zone: -04:00)

Report Last Signed By

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org
Date/Time: 2018-10-25 12:12 (Time Zone: -04:00)

Report Selections: Period: 09/01/2018 00:00 thru 09/30/2018 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
SMN Sewer Main	78207	10801 FAIRMOUNT RD		CEDAR CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2986265		09/27/2018	GRAY JR	BINKLEY	REPAIRED - ISSUE RESOLVED	09/27/2018	STRUCTURAL FAILURE	UNAUTHORIZED DISCHAGE - WATERS	09/27/18 11:00 PM	

Discharge Reporting:

Discharge Amount:	29,625 GAL
Cause:	BROKEN FORCE MAIN.
Clean Up:	NONE.
Control Zone:	SIGNS AND FLAGS.
Impact:	STREAM DISCOLORATION.
Repair:	PUMP SHUT OFF, REPAIR CREW CALLED.
Public Notification:	ADVISED CUSTOMERS.

Notifications:

9/28/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
9/28/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 09/01/2018 00:00 thru 09/30/2018 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	2985440		09/25/2018	GOODWIN	BRAZEL	BEYOND APPROVED DESIGN STORM	02/23/2018	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	09/26/18 08:30 AM	

Discharge Reporting:

Discharge Amount:	660,000 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	AREA DISINFECTED WITH LIME BY MSD STAFF.
Control Zone:	PERMANENT SIGNS SUPPLEMENTED WITH TEMPORARY SIGNS AND CONES AROUND MANHOLE.
Impact:	SEWAGE FOUND AROUND MANHOLE.
Repair:	SOLUTION IS IN THE IOAP.
Public Notification:	PERMANENT SIGNS SUPPLEMENTED WITH TEMPORARY SIGNS AND CONES AROUND MANHOLE.

Notifications:

9/25/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
9/25/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 09/01/2018 00:00 thru 09/30/2018 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 (Cont'd)	MSD0289	CEDAR CREEK			CEDAR CREEK			CENT			
Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRain EVENT DISCHARGE	2989626		9/28/2018 2:00:00AM	MORRIS	ROTTET JR	BEYOND APPROVED DESIGN STORM	02/23/2018	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	09/28/18 09:09 PM	

Discharge Reporting:

Discharge Amount:	166,500 GAL
Cause:	STRUCTURAL FAILURE (FORCE MAIN BREAK)
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA
Control Zone:	PLACED TEMPORARY SIGNS AND CAUTION TAPE AROUND THE IMPACTED AREA
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND AROUND MANHOLE
Repair:	CONTRACTOR REPAIRED FORCE MAIN
Public Notification:	TEMPORARY SIGNS PLACED ALONG AFFECTED AREA

Notifications:

9/28/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
9/28/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 09/01/2018 00:00 thru 09/30/2018 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	98022	9719 COLLIER LN		CEDAR CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2985141		09/24/2018	WRIGHT	WRIGHT	REPAIRED - ISSUE RESOLVED	09/24/2018	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	09/28/18 08:18 AM	

Discharge Reporting:

Discharge Amount:	8,000 GAL
Cause:	MECHANICAL FAILURE.
Clean Up:	MSD CLEANED AND SANITIZED AREA.
Control Zone:	FLAGS.
Impact:	SOME SEWAGE.
Repair:	KEEP WET WELL LEVEL BELOW 28 FOOT.
Public Notification:	ADVISED PROPERTY OWNER.

Notifications:

9/25/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
9/25/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 3

Total Work Orders Printed: 4

