



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

February 23, 2022

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

**RE: Cedar Creek WQTC, KPDES No: KY0098540  
Discharge Monitoring Report for January 2022.**

Dear Mrs. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Cedar Creek WQTC, for the month of January 2022.

There were no exceedances. Also, attached are the bypass and overflow reports.

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

Sincerely,

William E. Ford  
Process Supervisor-Operations

WEF/ Cedar Creek. 1/22.

Enclosures

Cc: V. Graves  
B. Tinnell  
M. Saylor



81011	<b>Solids, suspended percent removal</b>	K - Percent Removal	0	--	Sample	=	98.0										23 - %	01/30 - Monthly	CA - CALCTD
					Permit Req.	>=	85.0 MO AV MN										23 - %	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
CCDischargeReports012022.pdf	pdf	124427.0
CCCoverletter012022.pdf	pdf	38218.0
CCMOR012022.pdf	pdf	145990.0

**Report Last Saved By**

**Cedar Creek WQTC MSD**

User: JOSEPH.SMITH@LOUISVILLEMSD.ORG  
 Name: Joseph Smith  
 E-Mail: joseph.smith@louisvillemmsd.org  
 Date/Time: 2022-02-24 13:52 (Time Zone: -05:00)

**Report Last Signed By**

User: WILLIAM.FORD@LOUISVILLEMSD.ORG  
 Name: William Ford  
 E-Mail: william.ford@louisvillemmsd.org  
 Date/Time: 2022-02-25 10:05 (Time Zone: -05:00)

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: January 2022  
 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	GAL/DAY X 1000	MLSS X 1000	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	Total Phosphorus	Total Nitrogen	TOTAL FLOW INF. (MILLION GALLONS)		
																									30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS						% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000
1	13.91	2.48	2.48														4.42	80000			6.1			480		16.56											16.568489
2	15.78	2.48	2.48										124		3	58		4	4.81		80000		6.1		400		12.62				0	0.78		0.3	4.6		12.62806
3	11.90	2.48	2.48	7.4	7.3				8.0									4.29	3470	100000		5.1	3470	2860	520		8.96				0		2			8.9697905	
4	10.58	2.48	2.48	7.3														3.43	2910	95000		4.8	2910	2370	470		7.76				0					7.759232	
5	8.41	2.48	2.48	7.4														2.9	2930	100000		5.4	2930	2420	420		7.07				113400					7.0760179	
6	6.05	2.48	2.48	7.0														2.97	2960	100000		6.1	2960	2290	450		5.22				81900					5.2269478	
7	5.76	2.48	2.48	7.0														2.97	2950	100000		5.9	2950	2610	550		5.03				56700					5.0327206	
8	5.84	2.48	2.48															3.04		100000		5.5			580		5.15				0					5.1571279	
9	14.91	2.48	2.48										95		4	71		4	4.93		80000		5.9		400		15.19				0	1.00		0.3	4.58		15.190111
10	13.15	2.48	2.48	7.2	7.4													4.25	2880	80000		6.1	2880	2370	500		9.53				56700			5		9.5341015	
11	10.48	2.48	2.48	7.2														2.84	2330	100000		5.5	2330	1760	400		7.91				100800					7.9119191	
12	8.19	2.48	2.48	7.3					8.0									3.23	2670	100000		5.8	2670	1690	480		6.93				100800					6.9301672	
13	6.35	2.48	2.48	7.3														3.22	2840	100000		4.5	2840	1710	500		5.5				88200					5.5049801	
14	5.79	2.48	2.48	7.2														3.34	2990	80000		4.2	2990	2120	500		5.12				81900					5.1248074	
15	5.59	2.48	2.48															4.5		80000		3.8			550		5.59				94500					4.9228034	
16	5.44	2.48	2.48															3.05		80000		4.4			550		4.79				0					4.7908807	
17	5.29	2.48	2.48										212		4	118		3	3.3		80000		4.8		600		4.66				0	0.55		0.3	7.58		4.6531148
18	5.02	2.48	2.48	6.8	7.2				8.0									3.3	2940	100000		5.5	2940	1630	550		4.39				170100			5		4.3936114	
19	5.17	2.48	2.48	7.2														3.39	3030	100000		4.8	3030	1850	530		4.51				94500					4.5181694	
20	5.72	2.48	2.48	7.1														3.17	2940	100000		5	2940	2460	550		4.85				75600					4.8505201	
21	5.06	2.48	2.48	7.2														3.08	2940	80000		4.4	2940	2440	550		4.43				75600					4.4320917	
22	5.11	2.48	2.48															3		80000		4			580		4.47				81900					4.474	
23	5.16	2.48	2.48										276		3	188		2	2.91		100000		4.2		590		4.53				0	1.30		0.3	8.96		4.4740109
24	4.97	2.48	2.48	7.7														2.78	2810	100000		4.8	2810	2290	530		4.23				63000			152		4.2346621	
25	4.65	2.48	2.48	7.7	7.5				8.0									2.9	3050	100000		6	3050	2570	600		4.09				81900					4.0962162	
26	4.47	2.48	2.48	7.7														2.94	3130	100000		3.9	3130	2520	600		3.96				25200					3.9621942	
27	4.38	2.48	2.48	7.5														2.91	3020	100000		5.8	3020	2470	550		3.9									3.905	
28	4.40	2.48	2.48	7.4														2.81	3240	100000		5.5	3240	2420	550		3.84				151200					3.85	
29	4.63	2.48	2.48															3		80000		5.8			700		4.11									4.1119695	
30	4.92	2.48	2.48															3		80000		5.3			580		4.29									4.2961197	
31	4.68	2.48	2.48	6.9														2.78	2830	100000		5.4	2830	2580	560		5.47									4.0166559	
Tot.	221.76	76.88	76.88															103.5									194.7					1688400					192.596492
Avg.	7.15	2.48	2.48	7.3	7.4				8.0				177		4	109		3	3.337		2943		5.09	2943	2272	528.1		6.279				62533.33	0.91	9	0.3	6.43	6.212790065

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT  
FLOW 68129      CBOD 38165      TSS 50214

Howard,Jesse      102681  
OPERATOR      CERT. NO.

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

502-540-6000  
PLANT TELEPHONE



<b>KPDES #</b>	<b>Facility ID</b>	<b>Water Quality Treatment Center</b>	<b>Receiving Stream of Treatment Center</b>	<b>Region</b>
KY0098540	MSD0289	CEDAR CREEK	CEDAR CREEK	NA

<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMHSewer Manhole	63095	9516 PLUMWOOD RD	CEDAR CREEK	CEDAR CREEK	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Ref No</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
: DISREV: RAIN EVENT DISCHARGE	3459045		01/01/2022	SUMMERS	AGE	DOCUMENTE D	04/04/2008	LACK OF SYSTEM	UNAUTHORIZED DISCHARGE-	01/01/22 09:15 AM	MAIN

**Discharge Reporting:**

Discharge Amount:	27,225 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	CREATED DISCLN WO#3459886.
Control Zone:	CAUTION TAPE AND SIGNS INSTALLED.
Impact:	OBSERVEDSEWAGE AND PERSONAL HYGIENE.
Repair:	A SOLUTION FOR THIS IS INCLUDED IN THE IOAP.
Public Notification:	MSD ADVISED THE CUSTOMER ON SITE.

**Notifications:**

1/2/22 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
1/2/22 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



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

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

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	3469412		01/30/2022	FORD JR	GRAF	REPAIRED - ISSUE RESOLVED	05/08/2020	MECHANICAL FAILURE	UNAUTHORIZED DISCHARGE-WATERS	01/30/22 01:35 PM	

**Discharge Reporting:**

Discharge Amount:	500 GAL
Cause:	MECHANICAL FAILURE. GRIT CLASSIFIER LINE CLEAN OUT FITTING CAME OFF.
Clean Up:	AREA WAS RAKED. LIME APPLICATION.
Control Zone:	TEMPORARY SIGNS.
Impact:	LIGHT DEBRIS
Repair:	FITTING WAS PLACED BACK ON CLEAN OUT.
Public Notification:	TEMPORARY SIGNS.

**Notifications:**

1/31/22 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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