



Louisville and Jefferson County Metropolitan Sewer District
700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
www.msdlouky.org

August 5, 2014

Ms. Cheryl Edwards
Kentucky Division of Water
200 Fair Oaks Lane, 4th Floor
Frankfort, Kentucky 40601

**RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report-July 2014**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Cedar Creek WQTC, KPDES No.: KY0098540 for the month of July 2014.

Also attached is an overflow report.

There were no exceedances or bypasses to report.

If you have any questions concerning the attached DMR's, please contact me at (502) 239-7574.

Sincerely,

A handwritten signature in cursive script that reads "Duane V. Wright".

Duane V. Wright
Process Supervisor Central Region

DVW/Cedar Creek 07.14.doc

Enclosures

cc: T. Singleton
R. Shaw



Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com

DMR Copy of Record

Permit			
Permit #:	KY0098540	Permittee:	CEDAR CREEK WQTC MSD
Major:	Yes	Permittee Address:	8405 CEDAR CREEK RD LOUISVILLE, KY 40211
Permitted Feature:	001 External Outfall	Discharge:	001-2 NEW EXPANSION
Facility:		Facility Location:	CEDAR CREEK WQTC MSD 8405 CEDAR CREEK RD LOUISVILLE, KY 40211

Report Dates & Status			
Monitoring Period:	From 07/01/14 to 07/31/14	DMR Due Date:	08/28/14
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	Greg	Title:	Exec. Dir.
Last Name:	Heitzman	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									19 - mg/L	0	01/01 - Daily 03/07 - Three Per Week	GR - GRAB GR - GRAB
					Permit Req.	>=	7 INST MIN									19 - mg/L			
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	7				=	8			12 - SU	0	01/01 - Daily 03/07 - Three Per Week	GR - GRAB GR - GRAB	
					Permit Req.	>=	6 MINIMUM			<=	9 MAXIMUM				12 - SU				
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	50	=	88	26 - lb/d	=	2	=	3	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	1876 MO AVG	<=	2815 MX WK AV	26 - lb/d	<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L				
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	8082	=	9546	26 - lb/d	=	386	=	466	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L				
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	5	=	8	26 - lb/d	=	0.2	=	0.4	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	250 MO AVG	<=	375 MX WK AV	26 - lb/d	<=	4 MO AVG	<=	6 MX WK AV	19 - mg/L				
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	436	=	449	26 - lb/d	=	21	=	25	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L				
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample	=	2	=	3	26 - lb/d	=	0.1	=	0.1	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	63 MO AVG	<=	94 MX WK AV	26 - lb/d	<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L				
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	2.723	=	4.69	03 - MGD						0	99/99 - Continuous 99/99 - Continuous	CN - CONTIN CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									
					Value NODI														
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample						=	2	=	2	13 - #/100mL	0	03/07 - Three Per Week 03/07 - Three Per Week	GR - GRAB CP - COMPOS	
					Permit Req.						<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL				
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	42	=	56	26 - lb/d	=	2	=	2	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	625 MO AVG	<=	938 MX WK AV	26 - lb/d	<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L				
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	3879	=	4734	26 - lb/d	=	190	=	232	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L				
					Value NODI														
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	99			23 - %	0	01/30 - Monthly 01/30 - Monthly	CA - CALCTD CA - CALCTD	
					Permit Req.						>=	85 MO MIN			23 - %				
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	99			23 - %	0	01/30 - Monthly 01/30 - Monthly	CA - CALCTD CA - CALCTD	
					Permit Req.						>=	85 MO MIN			23 - %				
					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
201407_CCWQTC_OverflowReport.pdf	pdf	72355
CC072014_MOR.pdf	pdf	53930
CC072014_cover.pdf	pdf	17571

Report Last Saved By

CEDAR CREEK WQTC MSD

User: kevin.ries@louisvillemsd.org	Date/Time: 2014-08-25 09:03 (Time Zone: -04:00)
Name: Kevin Ries	
E-Mail: kevin.ries@louisvillemsd.org	

NAME OF TREATMENT PLANT CEDAR CREEK WTP
 KPDES PERMIT NUMBER KY0098540

COUNTY JEFFERSON
 PLANT CAPACITY 7.5 MGD

MONTH OF: July 2014
 RECEIVING STREAM CEDAR CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH			SETTLEABLE 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		
		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		W/STED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	30 MIN.	60 MIN.	RAW			HAULED			NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)					
																		GAL/DAY X 1000	MLSS x1000							GAL/DAY X 1000	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS			WITHDRAWN GALLONS X 1000				
1	2.57			7.0	7.8												2	1.68	5130	80000	3.4	2840	2010	270	250										0.07		0.1	
2	2.65			7.0	7.8												2	1.64	6760	50000	2.8	220	1810	250	230										0.17	2	0.172	
3	2.39			6.9	7.6													1.62	5180	60000	3.4	2510	1900	260	240											2		
4	2.22			7.0	7.5													1.56		52000	4.6			250	240													
5	2.03			6.9	7.1													1.58		72000	4.7			230	240													
6	2.18			7.0	7.1												2	1.53			4.9			230	240									0.28		0.1		
7	2.13			6.8	7.0	15.0												1.45	5610	90000	3.0	2400	2000	290	240											2		
8	2.17			6.9	6.8												2	1.65	5380	85000	2.7	2540	2030	280	250										0.30		0.1	
9	1.99			7.0	6.9	12.0											2	1.81	5520	90000	2.7	2510	2060	280	240										0.20	2	0.1	
10	1.96			6.9	6.9	12.0											2	1.66	4510	75000	3.5	2430	1970	280	250										0.20	2	0.1	
11	2.04			7.0	6.8	10.0												1.66	5010	60000	3.1	2480	1960	280	240											2		
12	2.17			6.9	6.8													1.68		67000	3.4			280	250													
13	2.26			7.1	6.9													1.72		90000	2.9			280	250													
14	4.36			7.0	7.1													1.62	9800	75500	1.9	2120	1720	270	250													
15	3.41			6.9	7.0												2	3.22	4470	90000	2.4	3040	2590	320	290										0.23		0.1	
16	3.83			6.8	6.8	16.0											2	4.31	4630	60000	3.6	2670	2060	300	270										0.06	2	0.1	
17	2.76			6.9	6.9	12.0											2	3.09	6160	90000	3.4	2810	2180	280	260										0.11	2	0.1	
18	2.70			6.8	6.7	12.0												1.67	5870	90000	2.9	2740	2110	280	250											2		
19	2.58			6.9	6.8													1.67		72500	2.4			300	260													
20	2.49			6.9	6.8													1.51		72500	2.6			300														
21	2.20			6.8	6.7													1.52	6790	95000	2.7	3060	2410	350	290													
22	2.23			6.9	6.8												2	1.53	5590	95000	3.4	2590	2080	350	290										0.13		0.1	
23	2.40			7.1	7.0	16.0											2	1.70	5740	90000	3.6	2610	2140	350	280										0.32	2	0.1	
24	2.29			6.9	6.9	12.0											2	1.60	4840	90000	3.4	2500	2050	340	290										0.84	2	0.1	
25	2.46			7.0	6.8	16.0												1.68	4910	90000	3.9	2620	2090	340	290										2			
26	2.56			7.0	6.7													1.68		90000	4.4			300	250													
27	4.69			7.4	7.0													1.43		90000	5.0			300														
28	4.17			7.2	7.1													2.64	6270	105000	3.4	3330	2800	400	340													
29	4.25			7.2	6.9													4.01	4700	90000	3.8	2600	1800	370	300													
30	3.16			7.1	7.0													2.68	5120	145000	2.4	2710	2040	350	290													
31	3.13			6.9	7.0													1.53	6250		3.4	2210	1830	280	250													
Tot.	84.41																	60.33																				
Avg.	2.72			7.0	7.0	13.3											2	1.946	5647	82810.3	3.345	2525	2075	298.1	262.4										0.24	2	0.106	

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
25933 FLOW
25337 CBOD
41787 TSS

Joseph Shaun Smith OPERATOR
20987 CERT. NO.

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

502-239-7695
 PLANT TELEPHONE



Report Selections: Period: 07/01/2014 00:00 thru 07/31/2014 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	28009	9800 HOFELICH LN		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	2193027		7/12/14 6:48 pm	JOHNSON	JOHNSON	REPAIRED - ISSUE RESOLVED	07/12/2014	GREASE BLOCKAGE	UNAUTHORIZED DISCHAGE - WATERS	07/12/14 07:12 PM	MAIN

Discharge Reporting:

Discharge Amount:	200 GAL
Cause:	GREASE AND ROOTS OBSTRUCTION IN MAIN SEWER
Clean Up:	MSD PERSONNEL CLEANED THE IMPACTED AREA
Control Zone:	MSD PERSONNEL PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA
Impact:	SEWAGE/WATER DISCHARGED FROM MAIN SEWER TO DRAINAGE DITCH
Repair:	WORK ORDER 2193450; ROOT CUT TO REMOVE GREASE AND ROOT OBSTRUCTION
Public Notification:	ADVISED CUSTOMER ON SITE

Notifications:

7/13/14 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
6/22/14 1:01 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'

Total Facilities Printed: 1

Total Work Orders Printed: 1