



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

May 20, 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-April 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 April 2014.

Also attached is an overflow report.

There were no bypasses or exceedances.

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 04.14.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 04/01/14 to 04/30/14	DMR Due Date:	05/28/14
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	=	82	=	112	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	=	6457	=	7214	26 - lb/d	=	193	=	280	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	2	--	Sample	=	6	=	8	26 - lb/d	=	0.2	=	0.2	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														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	424	=	461	26 - lb/d	=	12	=	16	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	2	--	Sample	=	4	=	4	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.	<=	125 MO AVG	<=	188 MX WK AV	26 - lb/d	<=	2 MO AVG	<=	3 MX WK AV	19 - mg/L				
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	5.005	=	14.726	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						=	4	=	13	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	=	71	=	83	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	=	2983	=	3336	26 - lb/d	=	88	=	124	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						=	98			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
201404_CCWQTC_OverflowReport.pdf	pdf	74535
CC042014_COVER.pdf	pdf	16741
CC042014_MOR.pdf	pdf	51388

Report Last Saved By

CEDAR CREEK WQTC MSD

User: kevin.ries@louisvillemsd.org	Date/Time: 2014-05-22 11:13 (Time Zone: -04:00)
Name: Kevin Ries	
E-Mail: kevin.ries@louisvillemsd.org	

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: April 2014
 KPDES PERMIT NUMBER KY0098540 PLANT CAPACITY 7.5 MGD RECEIVING STREAM CEDAR CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		SETTLEABLE 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 x1000	WAST ED	GAL/DAY x 1000	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	30 MIN.	60 MIN.	SETTLED SLUDGE VOLUME	GALLONS x1000	RAW			HAULED			NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	Total Phosphorus		
																												% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS x 1000						
1	3.31			7.0	7.4				9.2		244		3	90		2	4.71	6120	97500	3.1	3220	2760	380	300										0.07	2	0.107		
2	3.39			6.8	6.8				9.3		176		2	74		2	4.42	5820	90000	2.5	3080	2640	360	300										0.11	2	0.1		
3	5.88			7.0	7.4				9.2		198		4	83		2	4.59	6740	60000	2.2	2870	2280	380	300										0.10	520	0.1		
4	14.73			6.9	7.3				11.0								4.25	7970	60000	3.4	2110	1570	200	170														
5	7.96			7.1	7.4				9.6								5.76		85000	3.7																		
6	5.89			7.9	7.4				10.0								5.42		82500	5.1																		
7	6.13			7.2	7.4				10.0								5.20	6640	89500	4.8	3290	2640	440	300														
8	6.07			7.4	7.8				9.3		137		2	80		2	4.08	8120	102500	3.8	3420	2650	400	300										0.23	2	0.1		
9	4.83			7.4	7.8				9.5		126		2	56		2	4.08	7080	102500	3.5	3410	2590	400	300										0.14	2	0.1		
10	4.06			7.2	7.4				9.4		45		2	48		2	3.95	7030	107000	3.6	3360	2780	450	300										0.19	2	0.1		
11	3.76			6.8	7.2				9.8								4.70	6580		3.4	3560	2720	410	300														
12	3.59			7.0	7.2				10.0								4.10		102500					380	300													
13	3.65			6.6	7.2				9.8								3.94		100000					400	300													
14	4.08			6.8	7.1				9.4									5910		3.3	3410	2500	350	300														
15	6.25			6.7	7.3				9.9		142		2	73		2	4.21	7140		3.6	2610	1830	300	260										0.14	2	0.1		
16	4.57			7.0	7.2				9.7		134		2	80		2	3.49	6080		3.4	2680	2060	310	230										0.11	2	0.1		
17	3.94			7.0	7.1				9.8		278		2	96		2		5550	40000	3.6	2760	2040	300	260										0.28	2	0.1		
18	3.76			6.8	7.2				9.4								4.02	6160	92500	2.9	2860	2180	300	250														
19	3.67			6.9	7.2				8.9								3.76		77500	2.8				360	270													
20	3.94			6.7	7.0				8.6								3.65		80000	2.6				340	280													
21	3.82			7.0	7.2				8.2								2.59	8310	65000	2.6	2660	2030	250	230														
22	3.13			7.0	7.2				8.4		248		2	82		2	1.85	7470	99500	2.8	2880	2140	280	250										0.17	6	0.1		
23	2.94			7.0	7.3				8.2		284		2	161		2	1.90	8950	95000	3.1	2760	2080	260	230											0.11	2	0.1	
24	2.90			6.9	7.1				8.2		308		2	129		2	1.77	7290	110000	3.0	2910	2190	280	250											0.21	3	0.1	
25	2.96			6.8	7.4				8.4								1.96	6990	97000	2.8	2840	2160	260	220														
26	2.91			6.9	7.2				8.8								1.83		70000	2.9				270	230													
27	3.06			7.0	7.1				8.6								1.68		105000	3.2				270	220													
28	8.09			7.1	7.2				9.2								1.59	7440		3.7	2710	2240	280	230														
29	9.45			6.7	7.4				9.6								2.54	8380		3.2	2370	1820	250	210														
30	7.43			6.8	7.0				9.0								4.69	5870		2.9	1770	1550	200	170														
31																																						
Tot.	150.15																100.7																					
Avg.	5.00			7.0	7.3				9.3		193		2	88		2	3.598	6984	87413.04	3.293	2888	2248	323.6	259.3											0.16	4	0.101	

RESIDENTIAL FLOW 47665
 COMMERCIAL FLOW 21525
 INDUSTRIAL FLOW 38428
 INDUSTRIAL WASTE POPULATION EQUIVALENT
 TSS 38428
 OPERATOR Joseph Shaun Smith
 CERT. NO. 20987

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

502-239-7695
 PLANT TELEPHONE



Report Selections: Period: 04/01/2014 00:00 thru 04/30/2014 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
SMH Sewer Manhole	63094	9517 PLUMWOOD 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	2141529		4/4/14 8:05 am	DAVIS	BLANFORD	DOCUMENTED	04/04/2008	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	04/04/14 12:30 PM	

Discharge Reporting:

Discharge Amount:	6,625 GAL
Cause:	lack of system capacity
Clean Up:	msd to clean and sanitize affected area
Control Zone:	caution tape and temp signs
Impact:	debris and solids
Repair:	area included in msd's ioap
Public Notification:	advised customers on site

Notifications:

4/4/14 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
4/4/14 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: 04/01/2014 00:00 thru 04/30/2014 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
SMH Sewer Manhole	63095	9300 HAYES AVE		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	2141525		4/4/14 8:05 am	DAVIS	BLANFORD	DOCUMENTED	04/04/2008	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	04/04/14 12:25 PM	

Discharge Reporting:

Discharge Amount:	6,620 GAL
Cause:	lack of system capacity
Clean Up:	msd to clean and sanitize affected area
Control Zone:	caution tape and temp signs
Impact:	debris
Repair:	area included in msd's ioap
Public Notification:	advised customers on site

Notifications:

4/4/14 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
4/4/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'

Total Facilities Printed: 2

Total Work Orders Printed: 2