



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

June 6, 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-May 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 May 2014.

There were no exceedences, bypasses or overflows to report.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Duane V. Wright".

Duane V. Wright
Process Supervisor Central Region

DVW/Cedar Creek 05.14.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 05/01/14 to 05/31/14	DMR Due Date:	06/28/14
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	=	6					=	7				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	=	77	=	110	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.	<=	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	=	12911	=	18593	26 - lb/d		=	376	=	665		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	=	18	=	40	26 - lb/d		=	0.6	=	1		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	=	445	=	484	26 - lb/d		=	13	=	15		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	=	4	=	5	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	=	4.24	=	11.096	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	=	3		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	=	77	=	110	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	=	5787	=	7250	26 - lb/d		=	159	=	240		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	99/99 - Continuous 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	99/99 - Continuous 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
CC052014_COVER.pdf	pdf	17257
CC052014_MOR.pdf	pdf	49510

Report Last Saved By

CEDAR CREEK WQTC MSD

User: kevin.ries@louisvillemsd.org	Date/Time: 2014-06-23 14:32 (Time Zone: -04:00)
Name: Kevin Ries	
E-Mail: kevin.ries@louisvillemsd.org	

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: May 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		WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	SETTLED SLUDGE VOLUME	30 MIN.	60 MIN.	RAW		HAULED		NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	Total Phosphorus		
																		GAL/DAY X 1000	MLSS x1000								GAL/DAY X 1000	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS				% DRY SOLIDS	% VOLATILE SOLIDS
1	5.65				6.9								208		2	133		2	5.16	6230	85000	2.9	1940	1720	200	160							0.12		0.1
2	4.55				6.8														4.27	6080		2.4	2220	1760	230	200								2	
3	3.99				7.2														3.72			2.6			250	220									
4	3.64				7.0								264		2	126		2	3.82		75000	2.6			250	220							0.44		0.1
5	3.39				6.8								340		2	157		2	3.81	6240	90000	1.7	2310	1990	250	250							0.55	2	0.1
6	3.57				7.2														3.01	7510	75000	2.5	3070	2340	280	250							2		
7	3.40				6.9														1.73	7350		2.6	2750	2130	280	250									
8	2.88				6.8								384			193			1.78	10080	100000	2.9	3070	2490	290	250									
9	3.00				6.8										2				1.76	8440		2.4	2840	2270	290							0.31	5	0.1	
10	5.87				6.9														1.70		87000				300										
11	5.29				7.2								194		2	96		2	2.31		95000	2.6			250	300						0.31		0.1	
12	3.99				7.2								214		2	80		2	3.03	6950	100000	2.4	3540	2700	350	270						0.13	2	0.1	
13	3.57				6.8														3.59	6220	80000	2.5	2670	2030	310	250							2		
14	7.73				7.4														3.63	4140	77500	2.6	2670	2110	280	180									
15	11.10				7.4								250		2	124		2	3.52	9600			2150	1760	200	220						0.22		0.1	
16	6.29				7.2														4.57	7590			2590	2100	250								2		
17	4.97				6.4														3.89		79500	4.3			250	230									
18	4.36				6.8								234		2	127		2	3.64		70000	3.2			260	240						0.14		0.1	
19	4.25				6.9								428		2	156		2	3.34	8040	87500	3.3	2770	2260	260	250						0.11	2	0.1	
20	4.46				6.7														2.48	7210	80000	2.8	2710	2240	260	240							6		
21	3.33				6.8														1.60	6640	60000	2.5	2920	2360	260	250									
22	4.51				6.7								388		2	286		2	1.66	9660	90000	2.7	3030	2590	280	240						0.81		0.1	
23	3.71				6.9														1.59	8940	82500	3.2	2880	2460	280	230							2		
24	3.32				7.1														1.61		62000	3.2			250	230									
25	3.13				7.0														1.66		72500	3.0			250	230									
26	3.16				7.1								1070		2	235		2	1.63		102500	2.4			250	220						1.30		0.1	
27	2.92				7.0								536		2	198		2	1.71	7740	82500	2.3	2740	2240	260	220						2.30	3	0.1	
28	2.86				6.9														1.20	5860	80000	2.4	2480	2030	260	220							2		
29	3.12				7.0														2.68	5140	75000	3.0	2360	1960	250	220									
30	2.79				6.9														2.51	5610	60000	2.7	2470	2090	250	220									
31	2.64				7.0														2.50	4780			2420		250	220									
Tot.	131.45																		85.11																
Avg.	4.24				7.0								376		2	159		2	2.745	7093.2	81187.5	2.73	2664	2173	262.3	231.4						0.56	2	0.1	

RESIDENTIAL COMMERCIAL INDUSTRIAL FLOW 40384 INDUSTRIAL WASTE POPULATION EQUIVALENT 33128 CBOD 63291 TSS OPERATOR Joseph Shaun Smith CERT. NO. 20987
 TOTAL NUMBER OF SEWER CONNECTIONS 0 SEWERED POPULATION 0 X 4 = 0 PLANT TELEPHONE 502-239-7695