



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

August 26, 2013

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 2013**

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 2013.

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 cursive script that reads "Duane V. Wright".

Duane V. Wright
Process Supervisor Central Region

DVW/Cedar Creek 07.13.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 07/01/13 to 07/31/13	DMR Due Date:	08/28/13
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	=	7				=	7				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				=	9			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	=	55	=	64	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	=	7403	=	16308	26 - lb/d	=	258	=	529	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	=	10	=	19	26 - lb/d	=	0.4	=	0.6	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	=	395	=	418	26 - lb/d	=	15	=	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	1	--	Sample	=	3	=	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	=	3.174	=	9.131	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						=	3	=	5	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	=	55	=	64	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	=	2494	=	3124	26 - lb/d	=	91	=	101	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
072013CC_COVER.pdf	pdf	16657
072013CC_MOR.pdf	pdf	52845

Report Last Saved By

CEDAR CREEK WQTC MSD

User: kevin.ries@louisvillemsd.org	Date/Time: 2013-08-27 10:44 (Time Zone: -04:00)
Name: Kevin Ries	
E-Mail: kevin.ries@louisvillemsd.org	

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: July 2013

KPDDES 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 X1000	GAL/DAY X 1000	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
																												GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000			
1	2.71			7.0	8.1					8.3		122	2	83	2	2.55	4760	65000	3.0	2420	1960	250	230										0.11	2	0.1	
2	3.48			6.8	7.9					8.6		258	2	94	2	2.80	10800	65000	3.3	2230	1820	250	220										0.11	3	0.1	
3	2.87			7.0	8.6					8.4						1.38	9820	65000	2.6	2200	1980	230	220													
4	3.55			6.6	7.6					8.0		255	2	126	2	1.00		65000	2.6			250	240									0.17	2	0.1		
5	4.28			7.0	7.4					7.9						1.36	5430	65000	2.7	2440	2070	240	220													
6	9.13			6.8	7.4					8.2						2.87		65000	2.6			210	200													
7	5.37			7.0	7.5					8.7						2.62		50000	3.5			210	200													
8	3.85			6.7	7.3					8.1		156	2	70	2	2.72	6320	65000	3.4	2490	1980	250	210									0.34	6	0.118		
9	3.57			6.9	7.5					7.8		142	2	86	2	1.73	5730	65000	2.8	2640	2110	240	210										0.33	4	0.1	
10	2.92			7.0	7.2					7.8		144	2	76	2	1.16	7150	60000	2.6	2320	1920	240	200									0.22	4	0.1		
11	2.85			6.8	7.4					7.8						1.11	6610	60000	3.5	2440	2060	240	200													
12	2.53			7.0	7.3					8.1						1.43	6800	60000	3.6	2320	1750	240	210													
13	2.62			6.6	7.4					8.0						1.38		60000	3.3				220													
14	2.62			6.6	7.4					7.8						1.26		60000	3.3				220													
15	2.76			6.8	7.3					7.6		160	2	85	2	1.24	5600	55000	3.0	2180	1830	240	210									0.73	4	0.1		
16	2.63			6.9	7.4					7.8		142	2	83	2	1.23	5340	55000	3.2	2360	2040	230	210										0.45	4	0.1	
17	2.33			7.0	7.2					7.6		132	2	92	2	1.51	5220	48000	3.4	2070	1820	220	200									0.22	2	0.1		
18	2.23			7.1	7.4					7.5						1.53	5290	48000	3.0	2240	1950	220	200													
19	2.27			6.9	7.1					7.6						1.54	5420	48000	3.4	2090	1870	220	210													
20	2.27			6.8	7.2					8.0						1.51		48000	3.6			230	220													
21	2.27			7.1	7.0					8.1						1.35		45000	3.8			230	210													
22	3.60			6.7	7.3					8.0		1120	2	141	2	1.45	4390	45000	3.7	2390	1800	250	230								1.20	7	0.1			
23	4.06			6.9	7.2					7.6		252	2	82	2	1.93	4410	50000	2.6	2280	1820	250	220									0.39	4	0.1		
24	3.78			6.8	7.1					7.9		215	2	75	2	1.99	4700	50000	3.4	2170	1820	240	210								0.22	2	0.1			
25	3.04			6.9	7.4					8.1						3.08	5120	50000	3.2	2290	1840	230	210													
26	2.45			6.7	7.1					7.7						2.38	4710	50000	2.8	2480	2070	220	210													
27	2.51			6.8	7.2					7.9						2.40		50000	3.0			230	220													
28	2.36			6.7	7.2					8.2						2.28		50000	3.5			240	220													
29	2.37			6.9	7.0					7.9						2.36	4740	50000	2.8	2600	2180	240	220													
30	2.58			6.6	7.0					8.1						2.46	4480	55000	3.2	2540	2010	240	230													
31	2.54			6.8	7.2					8.2						2.46	4450	55000	3.6	2540	2020	240	230													
Tot.	98.38															58.07																				
Avg.	3.17			6.8	7.4					8.0		258	2	91	2	1.873	5785.91	55548.4	3.16	2351	1942	235.2	214.8								0.37	3	0.102			

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
30226 FLOW
14181 CBOD
32540 TSS

Joseph Shaun Smith OPERATOR
20987 CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

PLANT TELEPHONE