



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

October 11, 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-September 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 September 2013.

Also attached are the third quarter Biomonitoring DMR's.

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". The signature is fluid and cursive, with the first name being the most prominent.

Duane V. Wright
Process Supervisor Central Region

DVW/Cedar Creek 09.13.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 09/01/13 to 09/30/13	DMR Due Date:	10/28/13
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				=	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	=	49	=	67	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	=	4972	=	5784	26 - lb/d	=	204	=	228	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	=	6	=	9	26 - lb/d	=	0.2	=	0.3	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	=	429	=	443	26 - lb/d	=	19	=	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	=	2.928	=	10.081	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	=	4	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	=	49	=	67	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	=	2184	=	2377	26 - lb/d	=	96	=	133	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
CC092013_cover.pdf	pdf	17596
CC092013_MOR.pdf	pdf	53130

Report Last Saved By

CEDAR CREEK WQTC MSD

User: kevin.ries@louisvillemsd.org	Date/Time: 2013-10-24 12:21 (Time Zone: -04:00)
Name: Kevin Ries	
E-Mail: kevin.ries@louisvillemsd.org	

DMR Copy of Record

Permit					
Permit #:	KY0098540	Permittee:	CEDAR CREEK WQTC MSD	Facility:	CEDAR CREEK WQTC MSD
Major:	Yes	Permittee Address:	8405 CEDAR CREEK RD LOUISVILLE, KY 40211	Facility Location:	8405 CEDAR CREEK RD LOUISVILLE, KY 40211
Permitted Feature:	001 External Outfall	Discharge:	001-Y METALS/BIOMONITORING/QUARTERLY		

Report Dates & Status					
Monitoring Period:	From 07/01/13 to 09/30/13	DMR Due Date:	10/28/13	Status:	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer					
First Name:	Greg	Title:	Exec. Dir.	Telephone:	502-540-6000
Last Name:	Heitzman				

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	
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample						=	210		=	210	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01025	Cadmium, dissolved [as Cd]	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01040	Copper, dissolved [as Cu]	1 - Effluent Gross	0	--	Sample						<	0.006		<	0.006	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01049	Lead, dissolved [as Pb]	1 - Effluent Gross	0	--	Sample						<	0.08		<	0.08	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01090	Zinc, dissolved [as Zn]	1 - Effluent Gross	0	--	Sample						=	0.033		=	0.033	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.035		=	0.035	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.08		<	0.08	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.006		<	0.006	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample									<	1	2G - tox chronic	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.										<=	1 DAILY MX		2G - tox chronic	01/90 - Quarterly	CP - COMPOS
					Value NODI															

Submission Note
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Edit Check Errors
No errors.

Comments

Attachments		
Name	Type	Size
CC092013_cover.pdf	pdf	17596

Report Last Saved By
CEDAR CREEK WQTC MSD

User: kevin.ries@louisvillemsd.org | Date/Time: 2013-10-24 12:17 (Time Zone: -04:00)
Name: Kevin Ries

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: September 2013
 KPDES PERMIT NUMBER KY0098540 PLANT CAPACITY 7.5 MGD RECEIVING STREAM CEDAR CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		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		RAW			HAULED		NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	Total Phosphorus		
																									30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS				WITHDRAWN GALLONS X 1000	
1	5.63			7.3	7.7											1.18		55000		2.6			180	170												
2	3.88			7.2	7.8						290	2	83		2	1.12		55000		3.6			200	180									0.43	4	0.1	
3	3.17			7.1	7.5	17.0					185	2	88		2	1.12	7660	55000		3.8	2300	1870	210	190									0.22	3	0.1	
4	2.67			7.2	7.6	21.0					138	2	95		2	1.31	6140	55000		3.4	2390	1960	210	180										0.22	7	0.1
5	2.44			7.1	7.4	18.0										1.42	6530	55000		2.9	2110	1690	200	180												
6	2.26			7.2	7.3											1.29	6040	50000		3.5	2270	1740	210	190												
7	2.36			7.3	7.4											1.23		50000		3.3			200	180												
8	2.66			7.1	7.2						290	2	120		2	1.16		50000		2.9			210	190									0.28	8	0.1	
9	2.46			7.0	7.6	16.0					188	2	94		2	1.16	3750	50000		3.1	2470	1990	250	210									0.17	2	0.1	
10	2.28			7.0	7.4	20.0					185	2	115		2	1.18	5340	50000		3.5	2120	1790	250	220										0.11	2	0.1
11	2.13			7.2	7.6	19.0										1.17	4870	45000		3.5	2310	1900	250	230												
12	2.14			7.0	7.4											1.22	4480	45000		4.1	2140	1690	240	230												
13	2.06			7.2	7.8											1.30	4470	45000		4.0	2330	1710	250	240												
14	2.12			7.0	7.5											1.28		45000		3.8			240	230												
15	2.28			7.1	7.6						270	2	142		2	1.29		45000		4.2			260	240									0.22	3	0.1	
16	2.08			7.2	7.4	22.0					185	2	126		2	1.31	4910	45000		3.4	2460	1840	250	220									0.22	2	0.1	
17	1.91			7.3	7.4	19.0					228	2	130		2	1.32	5730	45000		3.8	2460	2000	260	220									0.22	2	0.1	
18	1.99			7.4	7.6	20.0										1.20	5950	45000		3.4	2380	1980	250	220												
19	2.02			7.3	7.3											1.30	4660	45000		3.2	2310	1940	260	220												
20	2.19			7.4	7.5											1.32	5220	45000		2.6	2530	2020	310	300												
21	10.08			7.1	7.7											1.33		45000		3.0			300	300												
22	4.77			7.2	7.9						182	2	47		2	2.72		45000		2.7			270	250								0.40	3	0.1		
23	3.88			7.4	8.2	17.0					130	2	48		2	3.10	6240	50000		2.8	2700	2310	290	260								0.25	4	0.1		
24	3.38			8.0	8.2	24.0					180	2	68		2	2.76	8480	50000		2.9	2710	2210	300	260								0.12	2	0.1		
25	2.67			8.6	8.5	20.0										1.52	7400	50000		2.8	2530	1930	300	260												
26	2.51			8.2	8.2											1.45	7601	50000		2.5	2460	1840	300	270												
27	2.34			7.6	8.2											1.33	6290	50000		2.7	2520	1910	290	260												
28	2.47			7.2	7.8											1.32		50000		2.0			300	250												
29	2.70			7.2	8.0											1.32		50000		2.3			300	260												
30	2.31			6.8	7.4											1.31	6400	50000		2.0	2590	1950	330	280												
31																																				
Tot.	87.84															43.04																				
Avg.	2.93			7.3	7.7	19.4					8.0	2	96		2	1.435	5908	48833.33		3.143	2405	1914	255.7	229.7									0.24	3	0.1	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
27887
FLOW

13838
CBOD

23752
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