



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

March 19, 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-February 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 February 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 black ink, appearing to read "Duane V. Wright".

Duane V. Wright
Process Supervisor Central Region

DVW/Cedar Creek 02.13.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 02/01/13 to 02/28/13	DMR Due Date:	03/28/13
Status:	NetDMR Validated		

Considerations for Form Completion
Parameter 00610 - Use Season 1 for summer months (May, June, July, August, September, and October) and Season 2 for winter months (November, December, January, February March, and April); enter NODI=9 for the Season not needed.

Principal Executive Officer			
First Name:	Greg	Title:	Ex. 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	=	9											19 - mg/L	01/01 - Daily	GR - GRAB		
					Permit Req.	>=	7 INST MIN													19 - mg/L	03/07 - Three Per Week	GR - GRAB
					Value NODI																	
00400	pH	1 - Effluent Gross	0	--	Sample	=	6.4				=	7.2						12 - SU	01/01 - Daily	GR - GRAB		
					Permit Req.	>=	6 MINIMUM			<=	9 MAXIMUM									12 - SU	03/07 - Three Per Week	GR - GRAB
					Value NODI																	
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	70	=	83	26 - lb/d	=	2	=	3				19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.	<=	1876 MO AVG	<=	2815 MX WK AV	26 - lb/d	<=	30 MO AVG	<=	45 MX WK AV						19 - mg/L	03/07 - Three Per Week	CP - COMPOS
					Value NODI																	
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	3581	=	3824	26 - lb/d	=	124	=	137				19 - mg/L	03/07 - Three Per Week	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	03/07 - Three Per Week	CP - COMPOS
					Value NODI																	
00610	Nitrogen, ammonia total (as N)	1 - Effluent Gross	2	--	Sample	=	44	=	109	26 - lb/d	=	2	=	4				19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.	<=	625 MO AVG	<=	938 MX WK AV	26 - lb/d	<=	10 MO AVG	<=	15 MX WK AV						19 - mg/L	03/07 - Three Per Week	CP - COMPOS
					Value NODI																	
00610	Nitrogen, ammonia total (as N)	G - Raw Sewage Influent	0	--	Sample	=	402	=	437	26 - lb/d	=	14	=	15				19 - mg/L	03/07 - Three Per Week	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	03/07 - Three Per Week	CP - COMPOS
					Value NODI																	
00665	Phosphorus, total (as P)	1 - Effluent Gross	2	--	Sample	=	4	=	7	26 - lb/d	=	0.1	=	0.2				19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.	<=	125 MO AVG	<=	188 MX WK AV	26 - lb/d	<=	2 MO AVG	<=	3 MX WK AV						19 - mg/L	03/07 - Three Per Week	CP - COMPOS
					Value NODI																	
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.573	=	5.159	03 - MGD									99/99 - Continuous	CN - CONTIN		
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD											99/99 - Continuous	CN - CONTIN
					Value NODI																	
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample						=	2	=	4				13 - #/100mL	03/07 - Three Per Week	GR - GRAB		
					Permit Req.						<=	200 30DA GEO	<=	400 7 DA GEO						13 - #/100mL	03/07 - Three Per Week	CP - COMPOS
					Value NODI																	
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	59	=	69	26 - lb/d	=	2	=	2				19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.	<=	625 MO AVG	<=	938 MX WK AV	26 - lb/d	<=	10 MO AVG	<=	15 MX WK AV						19 - mg/L	03/07 - Three Per Week	CP - COMPOS
					Value NODI																	
80082	BOD, carbonaceous, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	2517	=	2704	26 - lb/d	=	87	=	101				19 - mg/L	03/07 - Three Per Week	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	03/07 - Three Per Week	CP - COMPOS
					Value NODI																	
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	98						23 - %	01/30 - Monthly	CA - CALCTD		
					Permit Req.						>=	85 MO MIN								23 - %	01/30 - Monthly	CA - CALCTD
					Value NODI																	
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	98						23 - %	01/30 - Monthly	CA - CALCTD		
					Permit Req.						>=	85 MO MIN								23 - %	01/30 - Monthly	CA - CALCTD
					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
201302CCWQTC_Cover.pdf	pdf	13468
201302CCWQTC_MOR.pdf	pdf	49730

Report Last Saved By

CEDAR CREEK WQTC MSD

User:	wrightd	Date/Time:	2013-03-25 12:41 (Time Zone: -04:00)
Name:	Duane Wright		
E-Mail:	duane.wright@louisvillemsd.org		

NAME OF TREATMENT PLANT CEDAR CREEK WTP
 KPDES PERMIT NUMBER KY0098540

COUNTY JEFFERSON
 PLANT CAPACITY 7.5 MGD

MONTH OF: February 2013
 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				
		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		RAW			HAULED			NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)				
																		GAL/DAY X 1000	MLSS X 1000					GAL/DAY X 1000	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS			WITHDRAWN GALLONS X 1000	Total	Phosphorus	
1	4.51			6.7	6.8												3.22	6960		2.8	2490	1980	280														
2	4.28			6.6	6.6												3.25		30000	2.6				350													
3	4.01			6.6	6.4								142		2	97	2	3.14	5680	50000	2.8	2560		370										0.17	2	0.395	
4	3.70			6.8	7.0	16.0				9.6			84		2	79	2	3.15	6610	50000	2.2	2590	1870	380										0.62	2	0.1	
5	4.64			6.8	6.8	8.0				9.8			107		2	63	2																	0.34	2	0.1	
6	3.66			6.6	6.7	8.0				10.0							3.18	6240	50000	2.5	2530	2030	380														
7	3.23			6.7	6.7					9.7							2.15	7380	60000	2.3	2290	1860	370														
8	3.32			6.8	6.8					9.6							1.71	6470	50000	2.6	2330	1830	350														
9	3.38			6.9	6.8					9.9							1.84	6060	60000	2.7	2410	1940	340														
10	3.38				6.8					9.9			135		2	95	2	1.82		60000	2.9			350										5.90	2	0.1	
11	3.51			6.8	6.7	12.0				9.5			133		2	93	2	1.86		60000													3.90	2	0.1		
12	3.20			6.7	6.8	8.0				9.2			130		2	85	2	1.73	5440	60000	2.6	2440	1960	340									1.70	2	0.1		
13	3.09			6.9	6.8	9.0				9.2							1.81	5260	60000	2.2	2490	2020	320														
14	3.02			6.9	6.7					10.0							1.80	5720	70000	2.5	2300	1940	320														
15	2.87				6.8					10.0							1.72		60000																		
16	2.95			6.9	6.9					10.0							1.80		60000	3.6			300														
17	2.93			7.0	6.8					10.0			178		3	155	2			2.9			330										2.00	2	0.1		
18	2.38			6.7	6.9	8.0				10.0			154		4	85	2	1.68	4860	60000	3.2	2200	1750	320									1.10	20	0.148		
19	3.88			7.2	7.0	8.0				9.0			78		3	63	2	1.54	7900	60000	3.7	2350	1970	300									0.28	2	0.1		
20	3.05			6.6	6.4	12.0				10.0							1.97	5160	60000	3.4	2140	1850	350														
21	2.88			6.7	6.9					10.0							1.96	4700	50000	3.1	2370	2110	320														
22	4.11			6.6	6.7					10.0							1.99	6470	50000	3.6	2410	1940	350														
23	3.71			7.2	7.0					10.0							1.98	5700	50000	3.1	2190	1700	340														
24	3.48			6.9	7.1					10.0			124		2	100	2	1.90		50000	3.4			320									1.50	2	0.1		
25	3.11			7.0	7.2					9.0			128		2	81	2	1.71	6920	50000	3.1	2830	2480	360									1.30	2	0.1		
26	4.42			6.8	6.7	10.0				10.0			95		3	52	2	1.74	10990	50000	3.3	2530	2100	300									0.22	2	0.1		
27	5.16			6.9	6.9	12.0				10.0							1.65	7460	50000	3.7	2480	2060	290														
28	4.22			6.7	6.7	12.0				10.0							1.94	7240	60000	4.2	2120	1710	290														
29																																					
30																																					
31																																					
Tot.	100.05																54.24																				
Avg.	3.57			6.8	6.8	10.3				9.8			124		2	87	2	2.086	6461	54800	3	2403	1953	332.8									1.59	2	0.129		

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
34031
 FLOW
15309
 CBOD
17597
 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