



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

February 13, 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-January 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 January 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", is written over a light-colored background.

Duane V. Wright
Process Supervisor Central Region

DVW/Cedar Creek 01.14.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 01/01/14 to 01/31/14	DMR Due Date:	02/28/14
Status:	NetDMR Validated		

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	=	9									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					=	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	=	116	=	134	26 - lb/d		=	3	=	4	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	=	5187	=	5982	26 - lb/d		=	152	=	169	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	=	44	=	68	26 - lb/d		=	1	=	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	=	444	=	485	26 - lb/d		=	13	=	14	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	=	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.	<=	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	=	4.155	=	8.247	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	=	9	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	=	72	=	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	=	3045	=	3400	26 - lb/d		=	89	=	97	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							=	98			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
CC012014_COVER.pdf	pdf	15976
CC012014_MOR.pdf	pdf	53286

Report Last Saved By

CEDAR CREEK WQTC MSD

User:	wrightd	Date/Time:	2014-02-24 10:13 (Time Zone: -05:00)
Name:	Duane Wright		
E-Mail:	duane.wright@louisvillemsd.org		

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: January 2014

KPDES PERMIT NUMBER KY0098540

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	3.86			7.0	6.9				9.1		172		2	96		2	3.11		90000		3.2			450	360									0.06	2	0.116		
2	3.92			6.9	7.0				9.4		140		3	99		2	3.10	5440	102500		2.9	3000	2460	450	350									0.23	2	0.106		
3	3.91			7.1	6.9				9.8								3.07	5340	92500		4.2	3170	2600	450	350													
4	3.92			7.1	7.1				9.9								2.40		92500		4.1			450	350													
5	4.80			7.1	6.8				9.7		196		6	97		2	1.70		95000		4.1			450	340								2.60	8	0.193			
6	5.93			7.0	7.0				10.0								1.60	11990	70000		4.8	1940	1620	250	200													
7	4.65			7.2	6.9				11.0								1.59	9750	75000		5.4	2240	1880	260	200													
8	4.53			6.9	6.8				10.0		152		3	90		2	1.71	8260	75000		2.9	2280	1940	250	200									0.80	3	0.1		
9	4.09			7.1	6.9				10.0		200		3	116		2	1.94	8700	75000		3.1	2510	1780	250	250									0.92	4	0.1		
10	3.77			7.0	7.1				9.8								2.38	5780	85000		2.9	2470	1660	300	260													
11	8.25			6.8	7.3				9.7								2.35		85000		4.1			120	100													
12	6.33			6.4	7.3				9.1		74		3	38		2	3.27		85000		2.6			150	150									2.70	2	0.103		
13	5.04			7.1	7.1				10.0								3.48	4740	75000		2.3	2340	2000	300	250													
14	5.09			6.9	6.9				9.9								3.55	5750	82500		2.9	2700	2390	300	240													
15	4.35			7.0	7.0				10.0		116		2	89		2	3.78	5770	72500		3.8	2710	2250	310	280									0.16	2	0.118		
16	4.06			6.8	7.0				10.0		120		2	79		2	3.42	5490	72500		4.2	2660	2210	300	260									0.34	2	0.1		
17	3.80			6.9	6.9				10.0								3.29	5000			4.6	2780	2320	300	270													
18	3.81			7.0	7.1				10.0								3.27		50000		4.2			300	260													
19	3.80			6.8	7.0				10.0		185		4	92		2	3.26		80000		4.0			350	270									1.00	4	0.1		
20	3.64			7.0	7.2				10.0								3.26	4270	75000		4.4	2870	2300	340	260													
21	3.61			7.0	7.1				10.0								3.21	4470	65000		3.9	2850	2390	300	260													
22	3.59			7.1	6.9				10.0		150		5	84		2	2.69	6260	72500		3.2	2680	2110	300	260									0.70	4	0.135		
23	3.44			6.8	7.0				10.0		185		4	106		2	2.06	8370	85000		3.7	2600	2340	300	260									0.21	8	0.12		
24	3.54			6.9	6.9				10.0								2.09	7820	65000		3.9	2790	2360	300	270													
25	3.54			7.1	6.8				10.0								2.05		80000		4.1			290	260													
26	3.60			7.0	6.7				10.0		130		3	87		3	2.03		80000		4.6			290	260										4.40	20	0.15	
27	3.45			6.9	6.9				10.0								1.84	8780	85000		4.2	3240	2540	380	300													
28	3.29			7.0	7.1				10.0								2.15	6810	92500		4.8	2700	1850	300	250													
29	3.21			6.8	6.8				10.0								2.24	6650	85000		4.4	2680	2260	300	270													
30	3.14			6.9	6.9				9.8								2.22	6240	90000		3.8	2620	2170	300	270													
31	2.89			6.8	6.8				9.6								2.29	6310	77500		3.1	2630	2290	300	260													
Tot.	128.81																80.4																					
Avg.	4.16			6.9	7.0				9.9		152		3	89		2	2.594	6726.8	80250		3.819	2657	2169	312.6	261.9										1.18	4	0.12	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
39573 18228 25028
FLOW CBOD 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