



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

April 10, 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-March 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 March 2013.

Also attached is the 1st quarter Biomonitoring DMR.

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 that reads "Duane V. Wright". The signature is written in a cursive style.

Duane V. Wright
Process Supervisor Central Region

DVW/Cedar Creek 03.13.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 03/01/13 to 03/31/13	DMR Due Date:	04/28/13
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	Greg	Title:	executive director
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	=	9.1									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	=	6.6				=	7.2			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	=	214	=	316	26 - lb/d	=	5	=	8	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	=	4722	=	6445	26 - lb/d	=	112	=	120	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	=	64	=	69	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														
00610	Nitrogen, ammonia total (as N)	G - Raw Sewage Influent	0	--	Sample	=	406	=	427	26 - lb/d	=	10	=	13	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	=	11	=	23	26 - lb/d	=	0.3	=	0.7	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	=	4.669	=	11.848	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	=	6	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	=	97	=	158	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	=	2783	=	3475	26 - lb/d	=	69	=	78	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	=	97							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	=	96							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
032013CCWQTC_cover.pdf	pdf	16784
032013CCWQTC_MOR.pdf	pdf	53955

Report Last Saved By

CEDAR CREEK WQTC MSD

User:	wrightd	Date/Time:	2013-04-23 12:01 (Time Zone: -04:00)
Name:	Duane Wright		
E-Mail:	duane.wright@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 01/01/13 to 03/31/13	DMR Due Date:	04/28/13	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						=	242		=	242	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						=	0.028		=	0.028	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						=	0.03		=	0.03	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	XX/XX - Frequency as Reported	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						<	0.01		<	0.01	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
No attachments.

Report Last Saved By
CEDAR CREEK WQTC MSD

User:	wrightd	Date/Time:	2013-04-23 12:17 (Time Zone: -04:00)
Name:	Duane Wright		
E-Mail:	duane.wright@louisvillemsd.org		

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: March 2013

KPDDES 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	RETURN		WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	30 MIN.	60 MIN.	SETTLED SLUDGE VOLUME	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	WITHDRAWN GALLONS X 1000					
1	3.83			6.5	6.7												1.93	6110	50000	3.2	2060	1400	320	260																	
2	3.96			6.6	6.8												1.98		50000	2.6				330	260																
3	3.77			6.8	6.8						137	17	103			2	1.83		50000	2.1				320											2.90	2	1.98				
4	3.34			6.8	6.9	16.0					86	3	67			2	1.83	6240	50000	3.2	2320	1840	310	260											2.10	2	0.1				
5	3.96			6.6	6.8	10.0					94	3	65			2	1.92	5900	50000	3.5	2230	1880	300	250											0.45	2	0.1				
6	4.61			6.7	6.7	20.0											1.88	7240	45000	3.0	2120	1710	310	260																	
7	4.11			6.9	7.0												2.06	6120	45000	3.2	2320	1830	300	260																	
8	3.64			7.1	7.0												2.35	5960	45000	3.2	2390	1920	300	250																	
9	3.68			7.0	6.8												2.27			2.9					260																
10	3.68			6.8	7.0							172	4	102		2	2.08			3.6					280									0.62	2	0.15					
11	11.85			7.1	6.9	18.0					113	6	51			3	2.08	6990	50000	3.9	2340	2000	310	270										1.10	2	0.217					
12	6.95			7.1	7.1	20.0					50	4	39			2	5.34	5150	50000	3.4	2140	1650	280	210											1.10	2	0.17				
13	5.10			7.0	7.2	21.0											4.42	6480	50000	3.8	2310	1720	290	230																	
14	4.10			7.0	7.1												3.43	6130	50000	2.7	2310	1830	340	280																	
15	3.53			6.9	7.1												3.44	6060	60000	3.2	2370	1940	320	280																	
16	3.50			7.0	7.2												3.46		60000	3.4				380	300																
17	5.40			6.9	7.2						164	6	77			3	3.53		60000	3.4				450	300										2.10	14	0.212				
18	10.93			7.0	7.2	10.0											3.40	6080	46000	4.1	1560	1510	300	200																	
19	6.57			6.8	7.1												3.80	7170	55000	3.6	2150	1850	400	320													6				
20	4.96			6.8	6.6	14.0					87	5	43			2	4.50	8020	80000	3.8	3060	2500	580	370										0.90	2	0.171					
21	4.27			6.9	6.8	14.0					108		80				3.18	7740	70000	3.6	2890	2360	420	300																	
22	3.58			6.9	6.7								4			2	3.22	6940	80000	3.1	2390	2190	520	320										0.28	Scratc	0.1					
23	3.45			7.0	6.8												3.52		70000	3.6				380	300																
24	4.57			6.9	6.8						144	4	72			2	3.28		60000	3.2				460	300										1.50	2	0.14				
25	4.87			6.6	6.6	16.0					101	2	67			2	2.96	7120	60000	2.9	2500	2030	460	350											3.40	2	0.122				
26	4.24			6.7	6.7	12.0					88	2	61			2	2.93	5990	70000	3.0	2470	2060	480	340										2.00	2	0.074					
27	3.86			6.6	6.7	12.0											3.24	5040	70000	3.4	2470	1960	400	360																	
28	3.99			6.7	6.8												3.42	5420	70000	3.0	2380	1910	440	300																	
29	3.92			6.8	7.0												2.23	6570	60000	2.7	2260	1720	380	300																	
30	3.32			6.6	7.1												1.90		50000	3.1				350	300																
31	3.21			6.7	7.0												1.67		50000	3.0				360	300																
Tot.	144.75																89.08																								
Avg.	4.67			6.8	6.9	15.3					9.9		112	5	69		2	2.874	6403	57103	3.239	2335	1896	372.1	285.7									1.54	3	0.295					

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

44470

15787

20769

Joseph S. Smith

20987

FLOW

CBOD

TSS

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS

0

X

4

=

0

SEWERED POPULATION

502 239 7695

PLANT TELEPHONE