



Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)

April 21, 2014

Ms. Cheryl Edwards  
Kentucky Division of Water  
200 Fair Oaks Lane, 4<sup>th</sup> Floor  
Frankfort, Kentucky 40601

**RE: Cedar Creek WQTC, KPDES No: KY0098540  
Discharge Monitoring Report-March 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 March 2014.

Also attached is the 1<sup>st</sup> 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, appearing to read "Duane V. Wright".

Duane V. Wright  
Process Supervisor Central Region

DVW/Cedar Creek 03.14.doc

Enclosures

cc: T. Singleton  
R. Shaw



*Beneficial Use of Louisville's Biosolids*  
[www.louisvillegreen.com](http://www.louisvillegreen.com)

**DMR Copy of Record**

<b>Permit</b>			
<b>Permit #:</b>	<b>KY0098540</b>	<b>Permittee:</b>	CEDAR CREEK WQTC MSD
<b>Major:</b>	Yes	<b>Permittee Address:</b>	8405 CEDAR CREEK RD LOUISVILLE, KY 40211
<b>Permitted Feature:</b>	001 External Outfall	<b>Discharge:</b>	<b>001-2</b> NEW EXPANSION
<b>Facility:</b>		<b>Facility Location:</b>	CEDAR CREEK WQTC MSD 8405 CEDAR CREEK RD LOUISVILLE, KY 40211

<b>Report Dates &amp; Status</b>			
<b>Monitoring Period:</b>	<b>From 03/01/14 to 03/31/14</b>	<b>DMR Due Date:</b>	<b>04/28/14</b>
<b>Status:</b>	<b>NetDMR Validated</b>		

<b>Principal Executive Officer</b>			
<b>First Name:</b>	Greg	<b>Title:</b>	Exec. Dir.
<b>Last Name:</b>	Heitzman	<b>Telephone:</b>	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				=	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	=	86	=	116	26 - lb/d	=	3	=	3	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	=	7763	=	15410	26 - lb/d	=	213	=	328	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	=	30	=	42	26 - lb/d	=	0.9	=	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	=	472	=	575	26 - lb/d	=	15	=	18	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	=	3.732	=	7.539	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						=	2	=	3	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	=	66	=	85	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	=	3468	=	5163	26 - lb/d	=	104	=	119	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
CC032014_COVER.pdf	pdf	17424
CC032014_MOR.pdf	pdf	46720

**Report Last Saved By**

**CEDAR CREEK WQTC MSD**

User:	wrightd	Date/Time:	2014-04-24 13:06 (Time Zone: -04:00)
Name:	Duane Wright		
E-Mail:	duane.wright@louisvillemsd.org		

## DMR Copy of Record

<b>Permit</b>					
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		

<b>Report Dates &amp; Status</b>					
Monitoring Period:	From 01/01/14 to 03/31/14	DMR Due Date:	04/28/14	Status:	NetDMR Validated
<b>Considerations for Form Completion</b>					

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

<b>No Data Indicator (NODI)</b>					
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
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample						=	243	=	243	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						=	0.027	=	0.027	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	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
CC032014_COVER.pdf	pdf	17424

**Report Last Saved By**  
CEDAR CREEK WQTC MSD

User: wrightd | Date/Time: 2014-04-24 13:09 (Time Zone: -04:00)  
Name: Duane Wright



NAME OF TREATMENT PLANT CEDAR CREEK WTP  
 KPDES PERMIT NUMBER KY0098540

COUNTY JEFFERSON  
 PLANT CAPACITY 7.5 MGD

MONTH OF: March 2014  
 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	PH	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)	Total Phosphorus			
																		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
1	3.30				6.9												4.38		82500						450										
2	4.56				6.8						185		3	93		2	4.19		120000						450						1.50	4	0.121		
3	4.71				7.0	24.0					172		2	99		2	4.16	7360	100000			3670	2420	470						0.67	2	0.135			
4	4.43				6.7	22.0					142		3	74		2	4.37	6370	110000			3680	3040	480						0.30	2	0.131			
5	4.83				6.9	16.0											3.54	9360	102500			3000	2120	350				1							
6	5.16				6.6												2.17	9130	92500			2890	2240	360											
7	4.30				6.7												2.44	7880	90000			3360	2760	350											
8	4.34				6.8												2.75		115000					360											
9	4.34				6.7						368		2	154		2	2.47		85000					360							1.20	2	0.1		
10	7.54				6.6	19.0					445		3	118		2	2.47	7460	97500			3170	2640	340						0.73	2	0.1			
11	3.48				6.8	20.0					170		3	86		2	4.70	9100	45000			3610	3030	320						0.21	5	0.1			
12	3.60				7.0	15.0											2.54	8460	90000			3370	2860	370											
13	3.39				6.7												2.52	6460	92500			2590	2080	370											
14	3.23				6.9												2.47	6350	50000			3280	2520	350				1.3							
15	3.16				6.6												2.44		50000					340											
16	3.44				7.6						380		3	132		2	2.31		50000					360						0.67	2	0.129			
17	3.18				7.2	21.0					112		2	90		2	2.30	2860	92000			2950	2380	350						0.62	2	0.1			
18	3.12				7.3	17.0					84		2	49		2	2.42	6800	85000			2940	2400	400						0.21	2	0.1			
19	3.10				6.9	12.0											2.40	6660	95000			2920	2380	350											
20	2.89				7.0												2.37	6530	80000			3040	2530	370				0.76							
21	2.95				6.9												2.43	6530	95000			2810	2470	310											
22	3.09				7.0												2.41		92000					320											
23	3.07				6.9						136		2	131		2	2.37		90000					360						3.50	2	0.101			
24	2.76				7.1	16.0					188		3	127		2	2.30	7240	90000			2960	2490	340						0.96	2	0.1			
25	2.73				6.8	19.0					176		3	98		2	2.41	7320	92000			3100	2700	350						0.66	2	0.104			
26	2.66				6.9	14.0											2.41	6640	97500			2910	2310	450											
27	2.79				7.1												2.34	5860	105000			2760	2270	400				0.6							
28	3.08				6.8												2.37	6110	100000			2860	2150	350											
29	3.97				6.9												2.09		65000																
30	4.80				7.1												2.18		90000					360											
31	3.70				6.7												3.33		110000			3130	2480	400											
Tot.	115.68																86.05																		
Avg.	3.73				6.9	17.9					213		3	104		2	2.776	7024	88741.94			3095	2489	373					0.915	0.94	2	0.11			

RESIDENTIAL  
 COMMERCIAL  
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

35538 FLOW  
19084 CBOD  
31590 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