



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

July 10, 2015

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-June 2015**

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 June 2015.

There were no exceedances, bypasses or overflows to report.

Also attached are 2<sup>nd</sup> quarter Biomonitoring DMR's.

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 "Kevin Thompson", is written over a horizontal line.

Kevin Thompson  
Process Supervisor Central Region

KLT/Cedar Creek 06.15.doc

Enclosures

cc: T. Singleton  
R. Shaw



*Beneficial Use of Louisville's Biosolids  
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 06/01/15 to 06/30/15</b>	<b>DMR Due Date:</b>	<b>07/28/15</b>
<b>Status:</b>	<b>NetDMR Validated</b>		

**Considerations for Form Completion**

<b>Principal Executive Officer</b>			
<b>First Name:</b>	Greg	<b>Title:</b>	Executive Director
<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	=	7.5				=	7.5				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				=	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	=	43	=	51	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	=	5838	=	6706	26 - lb/d	=	246	=	319	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	=	4	=	6	26 - lb/d	=	0.2	=	0.2	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	=	507	=	543	26 - lb/d	=	22	=	26	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	=	1	=	1	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	=	3.446	=	7.048	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 [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	70	=	86	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.	<=	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 [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample	=	3529	=	4073	26 - lb/d	=	154	=	200	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
cedarcreek_coverletter_201506.pdf	pdf	46501
cedarcreek_MOR_201506.pdf	pdf	117217

**Report Last Saved By**

**CEDAR CREEK WQTC MSD**

User:	kevin.ries@louisvillemsd.org	Date/Time:	2015-07-24 10:41 (Time Zone: -04:00)
Name:	Kevin Ries		
E-Mail:	kevin.ries@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 04/01/15 to 06/30/15	DMR Due Date:	07/28/15	Status:	NetDMR Validated

**Considerations for Form Completion**

<b>Principal Executive Officer</b>					
First Name:	Greg	Title:	Executive Director	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						=	185		=	185	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS		
					Permit Req.																
					Value NODI																
01025	Cadmium, dissolved [as Cd]	1 - Effluent Gross	0	--	Sample						<	0.0005		<	0.0005	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS		
					Permit Req.																
					Value NODI																
01040	Copper, dissolved [as Cu]	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS		
					Permit Req.																
					Value NODI																
01049	Lead, dissolved [as Pb]	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS		
					Permit Req.																
					Value NODI																
01090	Zinc, dissolved [as Zn]	1 - Effluent Gross	0	--	Sample						<	0.034		<	0.034	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS		
					Permit Req.																
					Value NODI																
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.041		<	0.041	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS		
					Permit Req.																
					Value NODI																
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.0005		<	0.0005	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS		
					Permit Req.																
					Value NODI																
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS		
					Permit Req.																
					Value NODI																
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.002		<	0.002	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS		
					Permit Req.																
					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
					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: kevin.ries@louisvillemtd.org | Date/Time: 2015-07-24 10:38 (Time Zone: -04:00)  
Name: Kevin Ries  
E-Mail: kevin.ries@louisvillemtd.org

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: June 2015

KPDES PERMIT NUMBER KY0098540

PLANT CAPACITY 7.5 MGD

RECEIVING STREAM CEDAR CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		SETTLABLE SOLIDS (mg/L)			DISSOLVED OXYGEN (mg/L)			SUSPENDED SOLIDS (mg/L)			5 DAY CBOD (mg/L)			ACTIVATED SLUDGE			AERATION BASIN						SLUDGE HANDLING				FINAL		Total Phosphorus		
		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 X 1000	GAL/DAY X 1000	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)				
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS			% VOLATILE SOLIDS		WITHDRAWN GALLONS X 1000	
1	2.86			6.8	6.9					8.2			2	140			3	1.79	4880	70000	3.6	2330	1990	300	270							0.09	0.053		
2	2.78			6.7	6.8	17.0				8.4			1	142			3	2.10	5140	65000	3.2	2310	2040	300	270							0.13	4 0.059		
3	2.64			6.9	6.9	18.0				8.7			2	169			3	2.08	6360	70000	3.3	2430	2110	300	280			1.5				0.16	2 0.038		
4	2.50			6.8	6.9	17.0				8.2								1.99	5840	70000	2.9	2410	2070	300	270								2		
5	2.50			6.7	6.8					8.4								2.13	4590	65000	3.4	2570	2230	300	270										
6	3.22			6.7	6.9					8.1								2.10		70000	3.1			290	270										
7	2.41			6.8	6.9					8.4								2.10		65000	3.4			300	280										
8	2.56			6.7	6.8					8.2	184		2	178			3	2.12	5430	65000	3.6	2390	2040	300	280							0.09	0.038		
9	2.47			6.8	6.9	16.0				8.0	216		2	149			3	2.12	5060	65000	3.6	2460	2080	300	270			1.8				0.39	5 0.049		
10	2.23			6.7	6.9	15.0				8.0	184		2	136			3	2.05	5450	65000	3.4	2620	2200	300	280							0.26	2 0.046		
11	2.13			6.8	6.8	10.0				8.2								1.94	5040	70000	3.3	2680	2250	330	300								8		
12	2.15			6.9	6.8					7.9								1.97	4980	70000	3.5	3010	2560	320	300										
13	2.14			7.0	7.2					7.9								1.91		70000	3.3			340	300										
14	2.23			6.8	7.0					7.6								1.82		70000	3.3			320	300										
15	2.10			7.0	6.9					7.9	424		2	306			3	1.95	4500	70000	3.4	2680	2290	300	280							0.09	0.061		
16	2.10			6.8	6.7	12.0				7.7	260		2	154			3	1.89	5020	70000	3.2	2720	2220	310	280							0.36	2 0.086		
17	3.58			6.8	6.6	15.0				8.0	272		2	139			3	2.09	6420	70000	3.0	2490	2140	310	280			1.5				0.09	2 0.02		
18	4.24			6.9	6.8	10.0				8.2								2.03	6960	70000	3.4	2740	2320	310	280								10		
19	4.34			6.8	6.7					8.0								2.07	9060	70000	3.8	2560	2320	300	280										
20	6.93			6.6	6.6					8.3								2.43		70000	3.2			260	270										
21	6.36			6.9	6.8					8.1								3.52		70000	3.0			240	230										
22	4.15			6.8	6.7					7.5	218		2	113			3	4.30	8100	80000	1.9	3190	2620	400	210							0.18	0.02		
23	4.13			6.7	6.7					7.7	236		1	103			3	3.66	7740	80000	3.6	2980	2490	360	300							0.09	2 0.07		
24	3.03			6.6	6.6	18.0				7.8	158		2	116			2	2.49	5990	75000	4.2	2620	2290	340	300							0.34	4 0.055		
25	2.84			6.8	6.9	18.0				7.7								1.92	5620	70000	3.4	2710	2260	320	300			1.4					3		
26	7.05			6.7	7.1	18.0				8.2								2.13	12504	70000	2.6	2020	1840	280	300										
27	6.48			6.8	7.1					8.6								3.59		70000	2.5			300	200										
28	4.38			6.8	8.0					8.4								4.60		70000	3.3			300	250										
29	3.68			6.7	7.4					8.4								4.32	6850	75000	3.2	2750	2040	340	300										
30	3.17			6.9	7.6					8.0								4.41	6410	75000	2.6	2670	1980	320	300										
31																																			
Tot.	####																	75.62																	
Avg.	3.45			6.8	6.9	15.3				8.1	246		2	154			3	2.521	6270.2	70167	3.24	2606	2199	309.7	276.7					1.55			0.19	3 0.05	

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

32820 FLOW      25993 CBOD      33713 TSS

Joseph Shaun Smith OPERATOR      20987 CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-239-7695

PLANT TELEPHONE