



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

June 12, 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-May 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 May 2015.

There were no exceedances, 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 "Kevin Thompson", is written over a white background.

Kevin Thompson  
Process Supervisor Central Region

KLT/Cedar Creek 05.15.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 05/01/15 to 05/31/15</b>	<b>DMR Due Date:</b>	<b>06/28/15</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

<b>No Data Indicator (NODI)</b>	--		
<b>Form NODI:</b>	--		

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	=	7.6									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				=	7.4			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	=	42	=	53	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	=	6466	=	8430	26 - lb/d	=	259	=	323	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	=	5	=	8	26 - lb/d	=	0.2	=	0.3	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	=	539	=	594	26 - lb/d	=	22	=	23	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	=	2	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	=	2.794	=	3.489	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	=	73	=	82	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, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	4438	=	4836	26 - lb/d	=	178	=	197	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
2015_05_CedarCreek_MOR.pdf	pdf	116991
2015_05_CedarCreekCoverletter.pdf	pdf	44451

**Report Last Saved By**

**CEDAR CREEK WQTC MSD**

User: staci.huber@louisvillemad.org

Date/Time: 2015-06-23 14:20 (Time Zone: -04:00)

Name: Staci Huber

E-Mail: staci.huber@louisvillemad.org

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: May 2015

KPDES 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	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			
		RAW	FINAL	RAW	FINAL	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	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	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	Total Phosphorus							
1	3.49			6.7	6.6				8.0								1.90	6140	90000	3.6	2590	2240	380	300														
2	3.46			6.8	7.3				8.8								2.06		90000	3.3			400	350														
3	3.45			7.0	7.0				8.2		306		2	229	3	2.02		90000	2.1				430	370														
4	3.17			6.9	7.1	21.0			7.6		210		1	157	3	2.05	5150	90000	3.2	2580	2180	400	350															
5	3.17			6.8	6.9	18.0			7.8		170		1	143	3	2.10	5260	80000	3.1	2510	2120	390	320															
6	3.12			6.7		20.0			8.6							2.09	5970	80000	3.8	2560	2050	390	350															
7	3.01			7.3	7.4				8.6							2.08	4110	80000	3.7	2190	1900	370	320															
8	1.77			7.1	7.2				8.4							2.12	3600	80000	4.0	2180	1950	340	290															
9	2.68			7.1	7.1				8.6							2.05		60000	4.0				350	290														
10	3.03			6.9	7.0				8.2		270		2	241	3	2.62		60000	3.4				360	290														
11	3.02			6.9	6.8	16.0			8.4		216		2	183	2	1.92	6250	70000	3.6	2600	2250	380	300															
12	2.39			6.8	6.9	20.0			8.5		204		1	166	3	2.11	5600	70000	3.8	2540	2180	380	300															
13	2.26			6.7	7.1	19.0			8.5							2.05	5010	70000	3.3	2540	2140	310	290															
14	2.25			7.2	6.8				8.8							2.06	4460	70000	3.5	2350	1920	310	290															
15	2.18			7.1	7.2				8.7							2.08	4490	70000	3.8	2540	2100	330	300															
16	2.66			7.1	7.1				8.8							2.08		70000	3.8				300	270														
17	2.89			6.8	7.1				8.2		244		2	156	3	1.96		70000	3.6				300	270														
18	2.77			6.9	7.0	20.0			8.2		236		2	141	3	1.96	5270	70000	3.6	2470	1940	310	280															
19	2.50			6.7	7.0	17.0			8.2		280		1	184	3	2.03	5410	70000	4.0	2560	2010	310	270															
20	2.41			6.8	6.9	18.0			8.8							1.83	6060	70000	3.2	2570	2150	300	280															
21	2.38			6.9	7.1				8.9							2.00	5970	70000	3.9	2480	2080	300	270															
22	2.25			6.9	7.0				8.5							2.05		70000	4.2				310	270														
23	2.26			6.8	6.8				8.2							2.07		70000	4.1				300	260														
24	2.23			6.9	6.9				8.0							2.06		70000	4.2				300	270														
25	2.95			6.8	6.8	17.0			8.7		412		2	223	3	1.98		70000	4.2				310	270														
26	3.14			6.6	6.8	17.0			8.0		316		2	175	3	1.97	6050	70000	2.4	2640	2160	320	290															
27	3.43			6.8	6.8	15.0			8.2		240		2	134	3	1.88	6960	70000	3.0	2860	2230	310	280															
28	3.22			7.0	6.9				8.0							1.99	7710	70000	2.8	2580	2300	300	280															
29	3.16			6.9	6.9				8.4							1.96	6580	70000	3.8	2670	2240	300	270															
30	3.00				6.8				8.5														250	230														
31	2.94			7.1	6.9				8.3							1.93		70000	3.6				240	220														
Tot.	86.62															61.06																						
Avg.	2.79			6.9	7.0	18.2			8.4		259		2	178	3	2.035	5581.6	73333.3	3.553	2526.8	2112.6	331.6	290															

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT  
26610      24353      28702  
FLOW      CBOD      TSS

Joseph Shaun Smith      20987  
OPERATOR      CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS      0  
SEWER CONNECTIONS      0      X      4      =      0      SEWERED POPULATION

502-239-7695  
PLANT TELEPHONE