



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

September 9, 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-August 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 August 2014.

There were no exceedances, overflow or bypasses 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 "Kevin Thompson".

Kevin Thompson
Process Supervisor Central Region

KLT/Cedar Creek 08.14.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 08/01/14 to 08/31/14	DMR Due Date:	09/28/14
Status:	NetDMR Validated		

Considerations for Form Completion			
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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	=	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	=	6.7				=	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	=	62	=	89	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	=	7050	=	9080	26 - lb/d	=	245	=	295	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	=	8	=	13	26 - lb/d	=	0.3	=	0.6	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	=	481	=	571	26 - lb/d	=	17	=	19	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	=	3	=	4	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	=	3.244	=	5.433	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	=	59	=	74	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	=	3223	=	3465	26 - lb/d	=	113	=	134	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
201408_CedarCreek_coverletter.pdf	pdf	17119
201408_CedarCreek_MOR.pdf	pdf	40075

Report Last Saved By

CEDAR CREEK WQTC MSD

User: kevin.thompson@louisvillemsd.org

Date/Time: 2014-09-25 08:21 (Time Zone: -04:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemsd.org

NAME OF TREATMENT PLANT CEDAR CREEK WTP
 KPDES PERMIT NUMBER KY0098540

COUNTY JEFFERSON
 PLANT CAPACITY 7.5 MGD

MONTH OF: August 2014
 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			
		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	CALCULATED X 1000	MLSS X 1000	CALCULATED 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)	Total Phosphorus		
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000					
1	2.55			6.9	6.8				8.2								5960	5960	65000	3.8	2350	1890	300	250											
2	2.63			7.1	7.0				8.2										65000	3.9			310	260									18900		
3	2.58			6.9	7.0				8.4		288		2	129		2			67500	3.6			320	260							0	0.11		0.1	
4	2.38			6.8	6.9				7.9		276		2	122		2	5610	5610	65000	2.8	2540	2020	310	260							165,600	0.25	2	0.1	
5	2.50			6.8	6.8	8.0			7.9		320		2	152		2	5290	5290	60000	3.2	2360	1830	300	240							115,000	1.30	2	0.1	
6	2.51			6.9	6.9	12.0			7.7								5540	5540	60000	2.6	2460	2000	300	240			0.7				30000		2		
7	2.52			6.8	6.8				7.9								5360	5360	65000	3.4	2410	1960	310	250							0				
8	3.43			6.8	7.1				8.3								4320	4320	65000	3.6	2470	2050	280	250							0				
9	3.86			6.8					8.0									65000	3.7			270	250							0					
10	4.03			6.8	7.1				7.8		295		2	127		2		65000	3.4			280	250						0	0.22		0.1			
11	3.39			6.8	7.0	14.0			7.7		244		2	102		2	5280	5280	80000	2.9	2800	2220	280	260						85,500	0.16	4	0.1		
12	3.42			6.9	7.1	18.0			8.1		102		2	100		2	5360	5360	77500	3.4	2690	2150	280	250						85,200	0.13	2	0.1		
13	2.86			6.7	7.1	14.0			8.0								5840	5840	75000	2.9	2230	1930	280	240						61,800		3			
14	2.91			6.9	7.0				7.9								5610	5610	75000	3.2	2400	2160	280	240			1			55,500					
15	2.73			6.9	7.1				8.1								6360	6360	75000	3.5	2400	1630	280	240						0					
16	2.81			6.8	7.4				8.0									62000	3.0			260	250							0					
17	3.50			7.2	7.4				8.0		258		2	165		2		52000	3.2			250	240						0	0.07		0.1			
18	3.75			7.0	7.1	12.0			7.8		168		2	82		2	6650	6650	80000	3.4	2550	2070	260	240			0.6			61,200	0.17	4	0.1		
19	3.26			6.7	6.9	10.0			7.8		240		2	111		2	5850	5850	82500	2.8	2450	1990	260	240						73,800	0.12	2	0.1		
20	3.10			6.9	6.8	12.0			7.6								5260	5260	85000	3.1	2540	2040	260	240						67,500		2			
21	2.90			6.9	6.8				7.8								5110	5110	77500	3.2	2330	1770	270	240						75,600					
22	3.02			7.0	6.9				7.9								5260	5260	75000	2.9	2390	1840	270	240						60,600					
23	5.34			6.8	6.8				7.8									75000	3.2			260	240							0					
24	5.43			7.1	7.1				7.8		164		3	74		2		75000	2.9			260	240						0	0.35		0.1			
25	4.53			6.9	7.2	10.0			8.4		360		2	104		2	7320	7320	80000	2.7	2620	2130	230	200					30,000	0.18	2	0.1			
26	3.39			6.7	6.7	22.0			8.1		220		2	93		2	5730	5730	85000	2.4	2420	2010	240	220						73,500	0.56	2	0.1		
27	3.25			6.8	7.1				8.0								5440	5440	67500	2.6	2290	1900	240	220						115,800		2			
28	3.25			6.9	6.8				7.8								5260	5260	80000	2.9	2310	1960	240	220			0.9			42,300					
29	2.98			6.8	6.7				7.6								6670	6670	80000	3.4	2240	1770	240	220						0					
30	2.89			7.0	7.1				8.1									80000	4.0			240	220						0						
31	2.87			6.6	7.0				7.8									50000	4.0			250	230						0						
Tot.	100.56																119080													1217800					
Avg.	3.24			6.9	7.0	13.2			7.9		245		2	113		2	5670.5	5670	71338.7	3.213	2440	1968	271.3	240			0.8		40593.3333	0.30	2	0.1			

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

30893 FLOW
 18049 CBOD
 31508 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