



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

July 15, 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-June 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 June 2014.

Also attached is the 2nd 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 cursive script that reads "Duane V. Wright".

Duane V. Wright
Process Supervisor Central Region

DVW/Cedar Creek 06.14.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 06/01/14 to 06/30/14	DMR Due Date:	07/28/14
Status:	NetDMR Validated		

Considerations for Form Completion			
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Principal Executive Officer			
First Name:	Greg	Title:	Exec. Dir
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	=	8									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					=	7		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	=	13340	=	17039	26 - lb/d		=	638	=	865	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	=	25	=	85	26 - lb/d		=	1	=	4	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	=	439	=	462	26 - lb/d		=	21	=	22	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	=	2	=	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	=	2.58	=	3.91	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	=	42	=	44	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	=	5014	=	5562	26 - lb/d		=	240	=	282	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							=	99			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							=	100			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
CC062014_COVER.pdf	pdf	17391
CC062014_MOR.pdf	pdf	51142

Report Last Saved By

CEDAR CREEK WQTC MSD

User: kevin.ries@louisvillemsd.org	Date/Time: 2014-07-24 10:26 (Time Zone: -04:00)
Name: Kevin Ries	
E-Mail: kevin.ries@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 04/01/14 to 06/30/14	DMR Due Date:	07/28/14	Status:	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer					
First Name:		Title:		Telephone:	
Last Name:					

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						=	228		=	228	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.																
					Value NODI																
01025	Cadmium, dissolved [as Cd]	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.																
					Value NODI																
01040	Copper, dissolved [as Cu]	1 - Effluent Gross	0	--	Sample						<	0.002		<	0.002	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.																
					Value NODI																
01049	Lead, dissolved [as Pb]	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.																
					Value NODI																
01090	Zinc, dissolved [as Zn]	1 - Effluent Gross	0	--	Sample						=	0.024		=	0.024	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.																
					Value NODI																
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.026		=	0.026	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.																
					Value NODI																
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.																
					Value NODI																
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	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	01/90 - Quarterly	CP - COMPOS			
					Permit Req.																
					Value NODI																
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample									<	1	2G - tox chronic	01/90 - Quarterly	CP - COMPOS			
					Permit Req.											<=	1 DAILY MX	2G - tox chronic	0	01/90 - Quarterly	CP - COMPOS
					Value NODI																

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Comments

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Name	Type	Size
CC062014_COVER.pdf	pdf	17391

Report Last Saved By
CEDAR CREEK WQTC MSD

User: wrightd | Date/Time: 2014-07-24 10:55 (Time Zone: -04:00)
Name: Duane Wright

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: June 2014

KPDES PERMIT NUMBER KY0098540

PLANT CAPACITY 7.5 MGD

RECEIVING STREAM CEDAR CREEK

Main data table with columns: DATE, TOTAL FLOW (MILLION GALLONS), RAW SEWAGE (GRIT REMOVED, SCREENINGS), pH, SETTLEABLE SOLIDS, DISSOLVED OXYGEN, SUSPENDED SOLIDS, 5 DAY CBOD, ACTIVATED SLUDGE (RETURN, WAST. FL.), AERATION BASIN (DISSOLVED OXYGEN, MLSS, MLVSS, 30 MIN., 60 MIN.), SLUDGE HANDLING (RAW: GALLONS, % DRY SOLIDS, % VOLATILE SOLIDS; HAILED: % DRY SOLIDS, % VOLATILE SOLIDS, WITHDRAWN GALLONS), FINAL (NH3-N, FECAL COLIFORM), Total Phosphorus.

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
24571
30419
65371
FLOW
CBOD
TSS

OPERATOR

CERT. NO.

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

PLANT TELEPHONE