



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

July 19, 2014

Cheryl Edward
Kentucky Division of Water
200 Fair Oaks Lane
Frankfort, Kentucky 40601

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for June 2014.**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Hite Creek WQTC, for the month of June 2014.

There were no exceedences, overflow and bypasses to report this month.

Also attached is the second quarter Biomonitoring report.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5856.

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin Thompson", is written over the typed name.

Kevin Thompson
Process Supervisor, East Region

KT/ Hite Creek. 06/14.

Enclosures

cc: T. Singleton
R. Shaw



*Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com*

DMR Copy of Record

Permit			
Permit #:	KY0022420	Permittee:	HITE CREEK WQTC MSD
Major:	Yes	Permittee Address:	5512 HITT LN LOUISVILLE, KY 40201
Permitted Feature:	001 External Outfall	Discharge:	001-2 MUNICIPAL WASTEWATER
Facility:		Facility Location:	HITE CREEK WQTC MSD 5512 HITT LN LOUISVILLE, KY 40201

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
USE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

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	=	8				=	8				19 - mg/L	01/01 - Daily	GR - GRAB	
					Permit Req.	>=	7 INST MIN								19 - mg/L	03/07 - Three Per Week	GR - GRAB		
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	6.9				=	7.5			12 - SU	01/01 - Daily	GR - GRAB		
					Permit Req.	>=	6 MINIMUM				<=	9 MAXIMUM			12 - SU	03/07 - Three Per Week	GR - GRAB		
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	133	=	150	26 - lb/d	=	4	=	5	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.	<=	1501 MO AVG	<=	2252 MX WK AV	26 - lb/d	<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	7906	=	9956	26 - lb/d	=	250	=	317	19 - mg/L	03/07 - Three Per Week	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	03/07 - Three Per Week	CP - COMPOS		
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	7	=	10	26 - lb/d	=	0.2	=	0.3	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.	<=	100 MO AVG	<=	150 MX WK AV	26 - lb/d	<=	2 MO AVG	<=	3 MX WK AV	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	643	=	709	26 - lb/d	=	20	=	23	19 - mg/L	03/07 - Three Per Week	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	03/07 - Three Per Week	CP - COMPOS		
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample	=		=			=	0.7	=	0.9	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.					<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.804	=	4.571	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								99/99 - Continuous	CN - CONTIN
					Value NODI														
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample						=	2	=	3	13 - #/100mL	03/07 - Three Per Week	GR - GRAB		
					Permit Req.					<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL	03/07 - Three Per Week	GR - GRAB			
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	111	=	139	26 - lb/d	=	4	=	4	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.	<=	500 MO AVG	<=	751 MX WK AV	26 - lb/d	<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	5276	=	5945	26 - lb/d	=	167	=	192	19 - mg/L	03/07 - Three Per Week	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	03/07 - Three Per Week	CP - COMPOS		
					Value NODI														
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	98			23 - %	01/30 - Monthly	CA - CALCTD		
					Permit Req.					>=	85 MO AV MN			23 - %	01/30 - Monthly	CA - CALCTD			
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	98			23 - %	01/30 - Monthly	CA - CALCTD		
					Permit Req.					>=	85 MO MIN			23 - %	01/30 - Monthly	CA - CALCTD			
					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
201406HiteCreek_MOR.pdf	pdf	40037
201406HiteCreek_coverletter.pdf	pdf	17181

Report Last Saved By

HITE CREEK WQTC MSD

User: kevin.ries@louisvillemsd.org	Date/Time: 2014-07-24 10:48 (Time Zone: -04:00)
Name: Kevin Ries	
E-Mail: kevin.ries@louisvillemsd.org	

DMR Copy of Record

Permit																				
Permit #:	KY0022420				Permittee:	HITE CREEK WQTC MSD				Facility:	HITE CREEK WQTC MSD									
Major:	Yes				Permittee Address:	5512 HITT LN LOUISVILLE, KY 40201				Facility Location:	5512 HITT LN LOUISVILLE, KY 40201									
Permitted Feature:	001 External Outfall				Discharge:	001-R REASONABLE POTENTIAL														
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																				
Principal Executive Officer																				
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				
00722	Cyanide, free [amen. to chlorination]	1 - Effluent Gross	0	--	Sample					<	0.005			<	0.005	19 - mg/L	01/30 - Monthly	0	01/30 - Monthly	CP - COMPOS
					Permit Req.															
					Value NODI															
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample					=	180			=	180	19 - mg/L	01/30 - Monthly	0	01/30 - Monthly	CP - COMPOS
					Permit Req.															
					Value NODI															
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--	Sample					<	0.01			<	0.01	19 - mg/L	01/30 - Monthly	0	01/30 - Monthly	CP - COMPOS
					Permit Req.															
					Value NODI															
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample					<	0.0002			<	0.0002	19 - mg/L	01/30 - Monthly	0	01/30 - Monthly	CP - COMPOS
					Permit Req.															
					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																				
No attachments.																				
Report Last Saved By																				
HITE CREEK WQTC MSD																				
User:	kevin.ries@louisvillemtd.org				Date/Time:	2014-07-24 10:45 (Time Zone: -04:00)														
Name:	Kevin Ries																			
E-Mail:	kevin.ries@louisvillemtd.org																			

DMR Copy of Record

Permit			
Permit #:	KY0022420	Permittee:	HITE CREEK WQTC MSD
Major:	Yes	Permittee Address:	5512 HITT LN LOUISVILLE, KY 40201
Permitted Feature:	001 External Outfall	Discharge:	001-Y METALS/BIOMONITORING/QUARTERLY
Facility:		Facility Location:	HITE CREEK WQTC MSD 5512 HITT LN LOUISVILLE, KY 40201

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:	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		
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.031		=	0.031	19 - mg/L	0	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	0	01/90 - Quarterly	CP - COMPOS		
					Permit Req.																
					Value NODI																
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.003		<	0.003	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.																
					Value NODI																
71901	Mercury, total recoverable	1 - Effluent Gross	0	--	Sample						=	38.9		=	38.9	19 - mg/L	0	01/90 - Quarterly	GR - GRAB		
					Permit Req.																
					Value NODI																

Submission Note
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Edit Check Errors
No errors.

Comments

Attachments
No attachments.

Report Last Saved By
HITE CREEK WQTC MSD

User:	kevin.thompson@louisvillemtd.org	Date/Time:	2014-07-23 08:36 (Time Zone: -04:00)
Name:	Kevin Thompson		
E-Mail:	kevin.thompson@louisvillemtd.org		

NAME OF TREATMENT PLANT HITE CREEK WTP COUNTY JEFFERSON MONTH OF: June 2014
 KPDES PERMIT NUMBER KY0022420 PLANT CAPACITY 4.4 MGD RECEIVING STREAM HITE 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	GAL/DAY X 1000	MLSS K1000	MLVSS K1000	RETURN	WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	SETTLING SLUDGE VOLUME	90 MIN.	90 MIN.	RAW		HAULED			NH3-N (mg/L)	FECAL COUFORM (COCON-ESTROG)	Phosphorus mg/L	Cadmium, Total Recoverable	Hardness as CaCO3	Chromium, Hexavalent	Cyanide, Free (Amenable)	Mercury, Total Recoverable
																													% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS K1000								
1	4.063			7.1	7.3	15.0		0.0		9.0		198		3	146		2	2.67	8.24	85.4	6.4	3.2	2.44	300								0	0.23		0.424	0.0002	180	0.01			
2	4.18			7.0	7.4	13.0		0.0		8.9		208		4	147		3	2.85	8.54	78.8	5.3	3.04	2.35	260								72	0.17	2					0.005		
3	4.217	36	36	7.0	7.1	13.0		0.0		8.6		214		4	140		3	2.9	6.73	101.9	6.1	3.26	2.57	260							1.33		75.6	0.12	2						
4	4.152			7.2	7.3	15.0		0.0		8.4								2.75	8.18	78.8	6.3	3.11	2.46	250								75.6		2							
5	3.916			7.2	7.3	18.0		0.0		8.6								2.78	7.24	98.6	5.9	3.38	2.7	250								75.6									
6	3.751	36	36	7.0	7.3	18.0		0.0		8.7								2.75	7.64	85.4	5.9	3.07	2.41	220								74.7									
7	3.591			7.1	7.2	20.0		0.0		8.6								2.85	7.34	88.7	5.8	3.2	2.48	220								67.8									
8	3.637			7.0	7.3	15.0		0.0		8.3		188		5	154		3	2.85	6.58	98.6	6.2	3.18	2.5	220							0	0.3		0.655							
9	3.481			7.1	7.2	15.0		0.0		8.4		234		4	135		3	2.77	5.99	90	6.2	2.75	2.13	200							73.8	0.17	6								
10	3.636	36	36	7.1	7.2	20.0		0.0		8.3		232		6	138		3	2.98	5.39	93	5.9	2.85	2.27	160							69.3	0.22	2								
11	4.089			6.9	7.5	20.0		0.0		8.5								2.86	5.73	108.4	4.5	3.09	2.44	150						1.19		124.2		2							
12	4.173			6.9	7.2	20.0		0.0		8.4								2.82	6.67	88.7	4.9	2.84	2.21	150							63										
13	3.748	36	36	7.0	7.3	15.0		0.0		8.6								2.64	5.55	95.3	5	2.61	2.07	150							50.4										
14	3.467			7.1	7.1	15.0		0.0		8.8								3.1	4.96	98.6	5.4	2.52	2.08	140							63										
15	3.439			7.1	7.1	17.0		0.0		8.9		280		5	170		3	2.4	5.53	70	5.3	2.39	1.91	100						0	0.32		0.945								
16	3.533			7.0	7.1	25.0		0.0		8.4		380		5	190		4	3.02	5.58	85.4	5	2.85	2.19	140							61.5	0.16	2								
17	4.263	36	36	6.8	7.2	19.0		0.0		8.5		332		4	207		6	1.63	6.12	88.7	5.3	2.64	2.14	150							50.4	0.13	2								
18	3.523			7.2	6.9	25.0		0.0		8.2								1.71	8.23	78.8	6.2	3.12	2.48	150							49.2		2								
19	3.644			7.3	7.0	30.0		0.0		8.7								1.79	8.84	85.7	5.1	2.71	2.12	160						1.71	81	56.4						0.01	0.005		
20	3.854	36	36	6.9	7.1	20.0		0.0		8.6								1.83	5.49	92	5	2.38	1.95	160							75.6						0.01	0.005			
21	3.755			6.8	7.1	15.0		0.0		8.3								1.79	9.58	62.5	5.1	2.73	2.15	180							56.7										
22	3.567			6.9	7.3	22.0		0.0		8.3		240		4	182		5	1.73	7.16	82.1	4.3	2.77	2.21	200							18	0.3		0.604							
23	3.513			7.1	7.3	25.0		0.0		8.0		294		4	216		4	1.8	6.35	95.3	4.6	2.98	2.37	150							68.7	0.14	2								
24	4.052	36	36	7.2	7.4	15.0		0.0		8.3		244		3	177		3	1.8	5.23	95.3	5.3	2.43	1.91	170							94.5	0.48	2								
25	4.571			6.7	7.0	15.0		0.0		8.3								1.77	8.09	72.28	5.3	2.68	2.1	200							72.6		2								
26	3.87			6.9	7.2	15.0		0.0		8.3								1.78	6.9	78.8	5	2.47	1.95	190						1.57	75	63									
27	3.631	36	36	6.9	7.2	15.0		0.0		8.0								1.81	6.98	78.8	4.7	2.56	2	200							75.6										
28	3.702			7.0	7.4	14.0		0.0		8.3								1.78	6.01	78.8	4.5	2.25	1.75	180						72											
29	3.602			7.0	7.1	15.0		0.0		8.3								1.75	6.6	88.7	6.3	2.84	2.23	200						0											
30	3.295			6.9	7.3	15.0		0.0		8.1								1.76	5.89	92	3.8	2.64	2.08	200						75.6											
31																																									
Tot.	114.1	288	288															69.68													1775										
Avg.	3.804	36	36	7.0	7.2	17.8				8.5		250		4	167		4	2.323	6.779	86.51	5.353	2.818	2.222	188.7						1.45	78	59.16	0.23	2	0.66	0.0002	180.00	0.01	0.01		

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 FLOW 36224
 CBOD 31131
 TSS 37814

Earl Dunn
 OPERATOR

7626
 CERT. NO.

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

502-241-9310
 PLANT TELEPHONE