



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

September 16, 2013

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

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for August 2013.**


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 August 2013.

There were no exceedences, bypasses or overflow's to report this month.

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

Sincerely,


Kevin Thompson
Process Supervisor, East Region

KT/ Hite Creek. 08/13.

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 08/01/13 to 08/31/13	DMR Due Date:	09/28/13
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
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	=	7				=	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	=	66	=	94	26 - lb/d	=	2	=	3	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	=	9918	=	17014	26 - lb/d	=	363	=	610	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	=	8	=	15	26 - lb/d	=	0.3	=	0.5	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	=	619	=	639	26 - lb/d	=	23	=	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	=	0.6	=	0.8	19 - mg/L	=	0.6	=	0.8	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L	<=	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	=	3.287	=	4.111	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	=	3	=	6	13 - #/100mL	=	3	=	6	13 - #/100mL	03/07 - Three Per Week	GR - GRAB	
					Permit Req.	<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL	<=	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	=	54	=	57	26 - lb/d	=	2	=	2	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	=	4758	=	5563	26 - lb/d	=	176	=	200	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	=	99								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	=	99								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
HiteCreekCoverLetter.pdf	pdf	13906
HiteCreekMOR.pdf	pdf	39109

Report Last Saved By
HITE CREEK WQTC MSD

User:	kevin.thompson@louisvillemsd.org	Date/Time:	2013-09-25 08:10 (Time Zone: -04:00)
Name:	Kevin Thompson		
E-Mail:	kevin.thompson@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 08/01/13 to 08/31/13				DMR Due Date:	09/28/13				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	CP - COMPOS
					Permit Req.												01/30 - Monthly	CP - COMPOS
					Value NODI													
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample					=	169			=	169	19 - mg/L	01/30 - Monthly	CP - COMPOS
					Permit Req.												01/30 - Monthly	CP - COMPOS
					Value NODI													
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--	Sample					<	0.01			<	0.01	19 - mg/L	01/30 - Monthly	CP - COMPOS
					Permit Req.												01/30 - Monthly	CP - COMPOS
					Value NODI													
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample					=	0.001274			=	0.001274	19 - mg/L	01/30 - Monthly	CP - COMPOS
					Permit Req.												01/30 - Monthly	CP - COMPOS
					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.thompson@louisvillemsd.org				Date/Time:	2013-09-25 08:11 (Time Zone: -04:00)												
Name:	Kevin Thompson																	
E-Mail:	kevin.thompson@louisvillemsd.org																	

NAME OF TREATMENT PLANT HITE CREEK WTP COUNTY JEFFERSON MONTH OF: August 2013
 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														
	TOTAL FLOW	GRIT REMOVED	SCREENINGS	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	MLVSS X 1000	MLVSS X 1000	DO (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) 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 (COPIES/100ML)	Phosphorus mg/L	Cadmium Total Recoverable	Hardness as CaCO3	Chromium, Hexavalent	Cyanide, Free (Amenable)	Mercury, Total Recoverable		
																																									RAW	HAULED
1	3.545			7.6	7.1	18.0		0.0					290		2	152		2	2.89	9.76	62.6	5.6	3.98	2.93	200								37.8	0.62	2	0.632						
2	3.467	36	36	7.2	7.4	18.0		0.0											2.79	6.64	65.7	4.3	3.57	2.62	200								59.3									
3	3.137			7.2	7.3	15.0		0.0											2.52	7.24	59.2	4.4	3.2	2.08	200								61.5									
4	3.255			7.2	7.4	20.0		0.0				365		3	160		2	2.91	6.36	74.8	4.2	4.46	3.28	200								0	0.45	2								
5	3.371			7.6	7.5	20.0		0.0				350		5	157		2	2.78	7.16	72.3	4.8	4.33	3.22	230								69.3	0.5	2		0.001	169	0.01				
6	3.401	36	36	7.8	7.5	20.0		0.0											2.8	9.36	52.6	4.4	4.02	2.95	230				0.84	68	31.5									0.005		
7	3.415			7.1	7.3	25.0		0.0											2.73	9.3	59.2	5.3	4.25	3.06	240							37.8										
8	3.431			7.3	7.5	25.0		0.0				480		2	171		2	2.9	9.58	59.2	5.2	4.41	3.12	250								31.5	0.4	2	0.658							
9	3.376	36	36	7.1	7.4	20.0		0.0											2.79	6.64	72.3	5.4	3.81	2.75	210							70.8										
10	3.14			7.0	7.3	25.0		0.0											2.77	6.1	72.3	5.8	3.65	2.77	240							61.5										
11	3.259			7.4	7.4	25.0		0.0				465		2	192		2	2.89	10.32	52.6	4.1	4.34	3.28	250							0	0.32	2									
12	3.342			7.3	7.3	28.0		0.0				885		2	236		2	2.72	8.64	62.5	4.8	4.08	3.11	250								75.6	0.39	2								
13	3.513	36	36	7.2	7.4	20.0		0.0											2.65	8.85	59.2	4.6	4.01	2.97	250							75.6										
14	3.367			6.9	7.5	25.0		0.0											2.8	6	65.7	5.5	3.23	2.67	240							62.1										
15	3.12			7.0	7.3	25.0		0.0				178		2	135		2	2.6	8.9	55.9	5.4	3.84	2.74	250							63	0.224	2	0.281								
16	3.178	36	36	7.1	7.5	20.0		0.0											2.52	8.82	59.2	5.1	4.03	2.94	250							75.8										
17	2.995			7.3	7.3	20.0		0.0											2.72	7.41	75.6	5.2	4.36	3.21	240							61.8										
18	3.093			7.5	7.1	20.0		0.0				245		2	191		2	2.26	7.34	72.28	5.2	4.09	2.91	250							0	0.11	2									
19	3.12			7.9	7.4	20.0		0.0				245		2	196		2	2.73	9.56	59.2	4.5	4.26	3.2	340							37.8	0.06	40									
20	3.229	36	36	6.8	7.4	20.0		0.0											2.94	11.7	52.6	4.8	4.37	3.21	300							37.8										
21	3.207			7.1	7.2	22.0		0.0											2.24	9.89	55.9	4.7	4.21	3.13	300							24.9										
22	3.319			6.9	7.0	20.0		0.0				220		2	136		2	3.16	10.17	59.2	5.2	4.46	3.22	290							50.4	0.2	20	0.801								
23	3.109	36	36	7.0	7.1	18.0		0.0											2.81	9.26	59.2	5	4	2.95	280						18.9											
24	2.899			6.9	7.3	20.0		0.0											2.78	6.13	72.5	5.1	4.23	3.5	300							37.8										
25	3.058			7.0	7.1	20.0		0.0				345		3	195		2	2.53	6.33	72.6	5.1	4.36	3.51	300							0	0.06	6									
26	3.075			7.9	7.2	20.0		0.0				290		2	190		2	2.8	9.08	59.2	3.8	4.31	3.07	280					0.74	73	75.8	0.06	2									
27	3.353	36	36	7.5	7.5	20.0		0.0											2.77	6.88	85.4	4.7	4.32	3.19	260							72.85										
28	3.363			7.0	7.4	20.0		0.0											2.81	7.58	65.7	4.5	3.78	2.67	240							72.85										
29	3.389			7.0	7.3	20.0		0.0											2.83	8.71	59.2	4.6	3.84	2.85	240							75.8										
30	3.271	36	36	7.1	7.2	20.0		0.0											2.69	4.34	92	4.5	3.32	2.53	200							88.2										
31	4.111			7.5	7.4	15.0		0.0											2.8	7.18	65.7	4.4	3.68	2.79	200							88.2										
Tot.	101.9	324	324															84.53													1546											
Avg.	3.287	36	36	7.2	7.3	20.8						363		2	176		2	2.727	8.104	64.57	4.845	4.025	2.981	248.7							1546											

RESIDENTIAL COMMERCIAL INDUSTRIAL _____
 INDUSTRIAL WASTE POPULATION EQUIVALENT
 31307 FLOW 26370 CBOD 47412 TSS

 Earl Dunn OPERATOR 7626 CERT. NO.

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

502-241-9310
 PLANT TELEPHONE