



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

March 20, 2015

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

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for February 2015.**

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 February 2015.

There were no exceedances, bypasses or overflows to report this month.

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

Sincerely,

A handwritten signature in cursive script that reads "Duane V. Wright".

Duane V. Wright
Process Supervisor, East Region

DVW/ Hite Creek. 02/15.

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

Report Dates & Status					
Monitoring Period:	From 02/01/15 to 02/28/15	DMR Due Date:	03/28/15	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:	Exec. Dir.	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		
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample					=	9					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			=	8	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	=	211	=	241	26 - lb/d			=	6	=	7	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	=	8738	=	10393	26 - lb/d			=	260	=	302	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	2	--	Sample	=	36	=	44	26 - lb/d			=	1	=	2	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.	<=	250 MO AVG	<=	375 MX WK AV	26 - lb/d			<=	5 MO AVG	<=	7.5 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	=	756	=	766	26 - lb/d			=	23	=	26	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	2	--	Sample							=	0.5	=	0.6	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.							<=	2 MO AVG	<=	3 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	=	4.036	=	5.511	03 - MGD								99/99 - Continuous	CN - CONTIN		
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									0	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	=	143	=	172	26 - lb/d			=	4	=	6	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	=	5704	=	6713	26 - lb/d			=	171	=	235	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
HC022015_MOR.pdf	pdf	60328
HC022015_COVER.pdf	pdf	27756

Report Last Saved By

HITE CREEK WQTC MSD

User: kevin.ries@louisvillemsd.org	Date/Time: 2015-03-24 10:02 (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 (JEFFERSON,KY), KY 40201								
Permitted Feature:	001 External Outfall			Discharge:	001-R REASONABLE POTENTIAL													
Report Dates & Status																		
Monitoring Period:	From 02/01/15 to 02/28/15			DMR Due Date:	03/28/15				Status:	NetDMR Validated								
Considerations for Form Completion																		
Principal Executive Officer																		
First Name:	Greg			Title:	Exec. Dir.				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					=	181			=	181	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					<	0.004			<	0.004	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					<	0.000201			<	0.000201	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.ries@louisvillemtd.org							Date/Time:	2015-03-24 09:57 (Time Zone: -04:00)									
Name:	Kevin Ries																	
E-Mail:	kevin.ries@louisvillemtd.org																	

NAME OF TREATMENT PLANT HITE CREEK WTP COUNTY JEFFERSON MONTH OF: February 2015
 KPDES PERMIT NUMBER KY0022420 PLANT CAPACITY 4.4 MGD RECEIVING STREAM HITE CREEK

DATE	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 (MILLION GALLONS)	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 X 1000	MLVSS 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)	Phosphorus mg/L	Cadmium, Total Recoverable	Hardness as CaCO3	Chromium, Hexavalent	Cyanide, Free (Amenable)	Mercury, Total Recoverable		
																								90 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS									% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000
1	3.95			7.6	7.4	20.0		0.0	9.5		475		7	160		3	1.88	4.92	125	4.4	3.45	3.19	210						0	1.7		0.52		0					
2	4.43			7.6	7.6	20.0		0.0	9.5		235		5	186		3	1.98	9.44	62.5	6	3.14	2.56	210						88.2	0.85	2							0.01	
3	4.22	36	36	8.1	7.4	20.0		0.0	9.6		195		5	155		3	1.99	10.4	52.6	5.8	2.9	2.35	200				1.54	79	31.5	0.72	2								
4	4.07			7.6	7.5	20.0		0.0	10.3								2.03	8.52	65.7	5	2.98	2.46	200						37.8		2								
5	3.8			7.6	7.4	15.0		0.0	10.2								1.99	7.32	78.8	5.8	3.1	2.61	200					44.1											
6	3.85	36	36	7.6	7.4	20.0		0.0	10.0								1.97	6.02	82.1	5.7	2.63	2.15	200					92.4											
7	3.81			7.6	7.4	25.0		0.0	9.8								2.01	9.84	52.6	4.1	2.79	2.32	200					90											
8	3.79			7.6	7.7	30.0		0.0	9.9		320		7	136		4	2.06	9.22	59.2	4.2	2.95	2.43	200					0	1.2		0.47								
9	3.62			7.6	7.8	30.0		0.0	9.2		220		6	154		4	1.95	8.59	88.7	5.2	4.07	3.26	250					86.7	1	2									
10	3.64	36	36	7.5	7.2	20.0		0.0	9.9		270		7	165		4	2.04	9.02	65.7	5.4	3.13	2.54	200					43.2	0.92	5									
11	3.64			7.7	7.4	20.0		0.0	9.5								2.06	10.7	49.3	4.5	2.64	2.19	200					29.7		2									
12	3.68			8.2	7.4	20.0		0.0	9.8								1.95	8.34	72.3	4.8	3.06	2.47	200				1.58	79	49.8										
13	3.53	36	36	7.7	7.4	25.0		0.0	9.3								2.07	6.6	72.3	5.3	2.52	2.09	180					99.3											
14	3.46			7.6	6.7	25.0		0.0	9.5								2.26	5.29	128	6.2	3.84	3.1	300					97.8											
15	3.43			7.7	7.8	25.0		0.0	9.8		365		6	279		6	1.55	4.15	128	6.5	2.81	2.26	200					0	1.3		0.55								
16	3.43			7.8	7.7	20.0		0.0	11.5		220		7	207		6	2.09	7.02	78.8	5.6	2.88	2.38	200					0	1.7	2									
17	3.43	36	36	8.3	7.5	15.0		0.0	11.2		240		8	218		6	1.88	7.77	65.7	6	2.72	2.25	200					0	1.6	2									
18	3.84			7.9	7.4	20.0		0.0	11.5								2.17	8.53	59.2	6.6	2.67	2.2	200					0	2										
19	3.79			7.6	7.4	25.0		0.0	11.8								1.88	8.68	52.6	6.8	2.66	2.21	190					83.4											
20	3.74	36	36	7.7	7.5	20.0		0.0	12.0								2.76	5.95	0	6.4	3.34	2.76	220					117											
21	4.79			8.1	7.4	25.0		0.0	10.5								3.34	14	46	5	2.49	2.13	150					69.3											
22	5.51			7.9	7.4	20.0		0.0	10.5		245		5	148		4	3.46	8.28	78.8	5	3.96	2.56	200					0	0.85		0.4								
23	5.05			7.5	7.6	15.0		0.0	10.5		168		6	119		4	3.66	7.9	62.5	5.7	2.75	2.25	200					74.1	0.55	2									
24	4.78	36	36	7.6	7.6	15.0		0.0	10.0		170		6	124		4	3.45	7.61	65.7	6.1	2.9	2.42	200				1.71	79	43.5	0.8	2					0	0.01		
25	4.67			7.7	7.5	15.0		0.0	10.8								3.58	6.95	72.3	5.1	2.91	2.45	200					30.9		2						0	0.01		
26	4.47			8.0	7.5	20.0		0.0	11.0								3.61	8.15	65.7	5.3	3.01	2.49	200					49.5											
27	4.32	36	36	7.7	7.4	25.0		0.0	10.8								3.35	6.49	72.3	5.2	2.83	2.35	190					86.7											
28	4.26			7.9	7.5	25.0		0.0	10.3								3.6	6.87	72.3	5.3	2.83	2.33	190					92.7											
29																																							
30																																							
31																																							
Tot.	113	288	288														68.6											1438											
Avg.	4.04	36	36	7.8	7.5	21.3			10.3		260		6	171		4	2.45	7.95	70.5	5.46	3	2.46	203				1.55	79.3	51.4	1.10	2	0.49	0.00		0.00	0.01			

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
38434 FLOW
33838 CBOD
41710 TSS

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