



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

May 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 April 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 April 2014.

There were no exceedences and bypasses to report this month.

Also attached are overflow reports.

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".

Kevin Thompson
Process Supervisor, East Region

KT/ Hite Creek. 04/14.

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 04/01/14 to 04/30/14	DMR Due Date:	05/28/14
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					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			=	7.8	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	=	354	=	461	26 - lb/d			=	7	=	8	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	=	7930	=	9818	26 - lb/d			=	170	=	217	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	=	26	=	40	26 - lb/d			=	0.5	=	0.7	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	=	678	=	736	26 - lb/d			=	15	=	21	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							=	0.6	=	0.9	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	=	5.892	=	13.86	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							=	5	=	61	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	=	213	=	263	26 - lb/d			=	4	=	5	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	=	5108	=	5423	26 - lb/d			=	111	=	154	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							=	96			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							=	96			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
201404HiteCreek_MOR_.pdf	pdf	39109
201404_HCWQTC_OverflowReport.pdf	pdf	74160
201404HiteCreek_coverletter_.pdf	pdf	16590

Report Last Saved By**HITE CREEK WQTC MSD**

User: kevin.thompson@louisvillemsd.org	Date/Time: 2014-05-22 07:36 (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 04/01/14 to 04/30/14				DMR Due Date:	05/28/14				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	CP - COMPOS
					Permit Req.											19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Value NODI														
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample					=	214			=	214	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Permit Req.											19 - mg/L	0	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.											19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Value NODI														
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample					<	0.0002			<	0.0002	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Permit Req.											19 - mg/L	0	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:	2014-05-22 07:37 (Time Zone: -04:00)									
Name:	Kevin Thompson																		
E-Mail:	kevin.thompson@louisvillemsd.org																		

NAME OF TREATMENT PLANT HITE CREEK WTP COUNTY JEFFERSON MONTH OF: April 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 X 1000	MLVSS X 1000	MLSS (mg/L)	MLVSS (mg/L)	30 MIN.	60 MIN.	GALLONS X 1000	RAW		HAULED			NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	Phosphorus mg/L	Cadmium Total Recoverable	Hardness as CaCO3	Chromium Hexavalent	Cyanide Free (Amesable)	Mercury Total Recoverable
																										% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WINDROWY TONS X 1000								
1	3.741	36	36	6.9	7.4	15.0	0.0	9.8								2.43	6.88	92	7.6	2.96	2.41	210						81										
2	4.454			6.9	7.2	10.0	0.0	8.9		222		7	125		3	2.73	5.81	124.9	8.3	3.58	2.85	200						81.9	0.44	2	0.491	0.0002	214	0.01				
3	7.681			7.3	7.0	15.0	0.0	9.7							2.93	7.3	72.28	5.6	2.44	1.99	200				1.25	77	75.6								0.005			
4	10.68	36	36	7.2	7.2	5.0	0.0	10.8							2.83	15.5	39.4	10.2	2.86	2.05	160						94.5											
5	9.417			6.8	7.0	4.0	0.0	9.5		97		8	61		5	2.81	13.74	49.3	10.1	3.14	2.29	200						88.2	0.68	2								
6	7.288			7.0	7.4	10.0	0.0	9.4		97		6	64		4	2.82	9.31	72.28	10.4	3.21	2.33	200						0	0.78	2								
7	8.891			7.0	7.4	5.0	0.0	9.8							2.84	10.04	59.2	7.6	3.05	2.22	200						37.2											
8	8.403	36	36	7.0	7.3	10.0	0.0	11.0		96		8	83		5	2.8	11.64	55.9	9.6	3.17	2.34	210				1.35	74	47.2	0.62	2	0.378							
9	6.93			6.9	7.5	10.0	0.0	9.3		164		8	72		4	2.89	11.1	62.5	8.7	3.31	2.51	230						37.8	0.78	2								
10	6.183			7.0	7.4	10.0	0.0	10.0		192		7	122		4	2.91	9.82	65.7	7.8	3.14	2.38	240						37.8	0.61	2								
11	5.675	36	36	7.0	7.3	10.0	0.0	9.3							2.5	8.98	62.5	6.9	2.8	2.14	220						75.6											
12	5.115			7.0	7.3	10.0	0.0	9.3							2.7	9.8	59.2	6.9	2.81	2.01	220						69.2											
13	4.995			7.0	7.3	15.0	0.0	9.1							2.47	7.3	85.4	6.9	2.98	2.13	200						0											
14	5.205			7.1	7.4	14.0	0.0	9.2							3	9.5	65.7	5.8	3.15	2.41	250						67.7											
15	6.548	36	36	7.0	7.8	13.0	0.0	9.3		114		9	90		6	2.79	10.38	72.28	7.4	3.6	2.6	250				1.7	73	55.6	0.06	2	0.605							
16	5.359			6.9	7.6	13.0	0.0	9.3		278		7	119		4	2.89	9.56	72.28	8.5	3.12	2.36	250						31.5	0.18	2								
17	5.021			7.0	7.0	15.0	0.0	9.3		258		7	132		4	2.89	8.43	72.28	8.3	3.27	2.54	250						69.3	0.38	2								
18	4.373	36	36	7.1	7.1	15.0	0.0	10.0							2.83	7.96	65.7	6.3	2.64	2.08	210						74.4											
19	4.168			7.4	7.2	20.0	0.0	9.8							3.32	8.36	72.28	5.7	2.83		250						90.5											
20	4.254			7.2	7.2	18.0	0.0	9.7							3.17	9.02	72.28	5.5	3.15	2.46	250						0											
21	4.338			7.0	7.4	30.0	0.0	8.3							2.73	8.99	72.28	6.3	3.16	2.45	250						75.6											
22	4.293	36	36	7.3	7.5	15.0	0.0	8.2		150		6	145		4	2.83	7.84	84.5	6.5	3.38	2.68	250						57.1	0.73	1120	0.85							
23	4.085			7.0	7.5	20.0	0.0	8.7		186		3	193		3	2.88	9.05	72.28	6.5	3.28	2.57	250				2.38	70	81.3	0.36	18								
24	4.038			7.0	7.6	18.0	0.0	8.5		182		6	134		3	2.87	8.06	82.1	6.3	3.31	2.53	250						0	0.37	11								
25	3.881	36	36	6.9	7.6	30.0	0.0	8.3							2.81	6.75	99.6	6.5	3.29	2.54	250						63											
26	3.616			7.0	7.2	15.0	0.0	8.3							2.97	6.28	105.1	7.7	3.34	2.59	250						57.9											
27	3.782			7.5	7.4	20.0	0.0	8.4							3.01	6.68	105.1	6.6	3.52	2.76	250						18.9											
28	7.297			6.9	7.1	15.0	0.0	8.5							2.26	11.28	55.9	6.2	2.87	2.25	230						92.1											
29	7.358	36	36	7.1	7.4	13.0	0.0	10.5							2.65	11.88	49.3	7.5	2.72	2.08	230						93.5											
30	6.505			6.9	7.6	20.0	0.0	8.7							2.58	11.38	52.6	8	3.01	2.33	230						93.7											
31																																						
Tot.	173.6	324	324												84.14													1748										
Avg.	5.786	36	36	7.0	7.3	14.4		9.3		170		7	111		4	2.805	9.287	72.37	7.407	3.103	2.376	228					1.67	73.5	58.27	0.50	5	0.58	0.0002	214.00	0.01	0.01		

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 55103 FLOW 31459 CBOD 38986 TSS

TOTAL NUMBER OF SEWER CONNECTIONS _____

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

Earl Dunn
 OPERATOR

7626
 CERT. NO.

502-241-9310
 PLANT TELEPHONE

Report Selections: Period: 04/01/2014 00:00 thru 04/30/2014 23:59, treatment Plant: MSD0202 HITE CREEK, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0022420	MSD0202	HITE CREEK	HITE CREEK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SND Sewer Node	01083A-AG	10709 SEVENOAKS DR		HITE CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2153091		4/28/14 9:14 am	SINGLETON	OPS BSHIFT EAST	REPAIRED - ISSUE RESOLVED	04/28/2014	STRUCTURAL FAILURE	UNAUTHORIZED DISCHAGE - WATERS	04/28/14 09:15 AM	

Discharge Reporting:

Discharge Amount:	25 GAL
Cause:	FORCE MAIN BREAK
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS PLACED
Impact:	SEWAGE OBSERVED
Repair:	CONTRACTOR IS REPAIRING THE LINE
Public Notification:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA

Notifications:

4/25/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
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Report Selections: Period: 04/01/2014 00:00 thru 04/30/2014 23:59, treatment Plant: MSD0202 HITE CREEK, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0022420	MSD0202	HITE CREEK	HITE CREEK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	108958	7302 FLOYDSBURG RD		FLOYDS FORK	CATCH BASIN

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2141372		4/4/14 12:20 am	MARKS JR	OPS ASHIFT	DOCUMENTED	02/25/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	04/05/14 07:30 AM	

Discharge Reporting:

Discharge Amount:	28,250 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO IMPACT OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TEMPORARY SIGNS POSTED AROUND THE AFFECTED AREA

Notifications:

4/4/14 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
4/4/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'

Total Facilities Printed: 2

Total Work Orders Printed: 2