



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

April 12, 2016

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

RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for March 2016.

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 March 2016.

Also attached is a discharge report and the first quarter biomonitoring DMR..

There were no exceedances or bypasses 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 black ink, appearing to read "Duane V. Wright", is written over a horizontal line.

Duane V. Wright
Process Supervisor, East Region

DVW/ Hite Creek. 03/16.

Enclosures

cc: T. Singleton
R. Shaw



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

DMR Copy of Record

Permit

Permit #:

KY0022420

Major:

Yes

Permittee:

HITE CREEK WQTC MSD

Permittee Address:

5512 HITT LN
LOUISVILLE, KY 40201

Facility:

HITE CREEK WQTC MSD

Facility Location:

5512 HITT LN
LOUISVILLE, KY 40202

Permitted Feature:

001
External Outfall

Discharge:

001-2
MUNICIPAL WASTEWATER

Report Dates & Status

Monitoring Period:

From 03/01/16 to 03/31/16

DMR Due Date:

04/28/16

Status:

NetDMR Validated

Considerations for Form Completion

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

Principal Executive Officer

First Name:

Tony J.

Last Name:

Parrott

Title:

Exec. Dir.

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					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						=	7					19 - mg/L	0	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						=	8			=	8	12 - SU	0	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	=	287	=	446	26 - lb/d			=	6	=	8	19 - mg/L	0	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	=	11982	=	14684	26 - lb/d			=	247	=	300	19 - mg/L	0	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	=	51	=	76	26 - lb/d			=	1	=	1	19 - mg/L	0	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	=	834	=	873	26 - lb/d			=	17	=	20	19 - mg/L	0	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	=	1.2	19 - mg/L	0	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	=	5.888	=	8.39	03 - MGD								0	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	0	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 [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	162	=	210	26 - lb/d			=	3	=	4	19 - mg/L	0	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 [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample	=	5443	=	6559	26 - lb/d			=	115	=	158	19 - mg/L	0	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						=	97					23 - %	0	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 - %	0	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
HC032016_COVER.pdf	pdf	47722
Mar2016_03_HCWQTC_OverflowReport.pdf	pdf	95604
HC032016_MOR.pdf	pdf	61338
Report Last Saved By		
HITE CREEK WQTC MSD		
User:	kevin.ries@louisvillemsd.org	Date/Time: 2016-04-19 08:46 (Time Zone: -04:00)
Name:	Kevin Ries	
E-Mail:	kevin.ries@louisvillemsd.org	

DMR Copy of Record

Permit

Permit #:

KY0022420

Major:

Yes

Permittee:

HITE CREEK WQTC MSD

Permittee Address:

5512 HITT LN
LOUISVILLE, KY 40201

Facility:

HITE CREEK WQTC MSD

Facility Location:

5512 HITT LN
LOUISVILLE, KY 40202

Permitted Feature:

001
External Outfall

Discharge:

001-R
REASONABLE POTENTIAL

Report Dates & Status

Monitoring Period:

From 03/01/16 to 03/31/16

DMR Due Date:

04/28/16

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Tony J.

Last Name:

Parrott

Title:

Exec. Dir.

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

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Comments

Attachments

Name	Type	Size
HC032016_COVER.pdf	pdf	47722

Report Last Saved By

HITE CREEK WQTC MSD

User:

kevin.ries@louisvillemسد.org

Name:

Kevin Ries

E-Mail:

kevin.ries@louisvillemسد.org

Date/Time:

2016-04-19 08:43 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:

KY0022420

Major:

Yes

Permittee:

HITE CREEK WQTC MSD

Permittee Address:

5512 HITT LN
LOUISVILLE, KY 40201

Facility:

HITE CREEK WQTC MSD

Facility Location:

5512 HITT LN
LOUISVILLE, KY 40202

Permitted Feature:

001
External Outfall

Discharge:

001-Y
METALS/BIOMONITORING/QUARTERLY

Report Dates & Status

Monitoring Period:

From 01/01/16 to 03/31/16

DMR Due Date:

04/28/16

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Tony J.

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Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
HC032016_COVER.pdf	pdf	47722

Report Last Saved By

HITE CREEK WQTC MSD

User:

kevin.ries@louisvillemsd.org

Date/Time:

2016-04-19 08:42 (Time Zone: -04:00)

Name:

Kevin Ries

E-Mail:

kevin.ries@louisvillemsd.org

NAME OF TREATMENT PLANT HITE CREEK WTP COUNTY JEFFERSON MONTH OF: March 2016
 KPDES PERMIT NUMBER KY0022420 PLANT CAPACITY 4.4 MGD RECEIVING STREAM HITE CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH	SETTLEABLE 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	RETURN		WASTED ED	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						
																			GAL/DAY X 1000	MLSS X 1000					30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000														
1	5.96	36			7.7	10.0		0.0		10.0		238		8	118		5	3.31	9.84	82.1		7	3.3	2.77	300							76	1.5		0.365											
2	6.08				7.6	10.0		0.0		10.0		248		5	90		2	3.24	10.47	85.0		6.7	3.88	3.05	350						1.47	77	82	0.84	2											
3	5.69				7.7	20.0				10.0		414			3	97		3	3.31	10.63	98.6		6.6	4.34	3.49	400							76	0.56	2											
4	5.72	36	36		7.6	10.0		0.0		9.7								3.45	9.63	75.6		6.3	2.96	2.59	300							69		2												
5	5.34				7.5	20.0		0.0		10.0								3.19	9.92	85.4		6.6	3.45	2.97	350							57														
6	5.15				7.6	20.0		0.0		10.0								2.94	7.00	111.7		6.4	3.21	2.61	300							0														
7	5.17				7.7	15.0		0.0		9.9								3.25	8.22	105.1		6.5	3.63	2.85	300							92														
8	5.17	36	36		7.5	15.0		0.0		9.7		234		5	108		3	3.33	8.55	105.1		6.6	3.73	3.13	350							94	0.22		1.16	0.00025	214									
9	5.26				7.7	15.0		0.0		9.9		268		6	116		3	2.74	7.10	128.2		6.5	3.59	2.82	350						1.32	75	119	0.34	2				0.003	0.005						
10	7.35				7.5	15.0		0.0		7.4		240		14	97		6	2.62	8.46	98.6		4.6	3.06	2.48	280							112	1.2	2												
11	8.06	36	36		7.7	20.0		0.0		11.0								2.49	11.74	72.3		8.3	3.04	2.44	260							107		4												
12	7.28				7.7	18.0		0.0		10.0								2.64	6.17	98.6		6	2.16	1.51	200							73														
13	8.39				7.7	10.0		0.0		10.0								2.54	6.43	128.2		5	3.11	2.41	210							0														
14	7.68				7.6	10.0		0.0		10.0								2.56	11.06	72.3		6.9	2.82	2.43	250							98														
15	6.99	36	36		7.7	20.0		0.0		10.0		196		7	86		2	2.64	10.97	72.3		6.6	2.83	2.31	250							74	1.1		0.564											
16	6.084				7.6	15.0		0.0		10.0		334		4	127		2	2.63	13.46	72.3		4	3.39	2.84	300						1.66	76	81	1.6	2											
17	6.107				7.6	15.0		0.0		10.0		232		4	68		3	2.59	9.76	92.0		4.5	3.18	2.58	250							108	1.6	2												
18	5.73	36	36		7.6	15.0		0.0		9.8								2.57	7.88	85.4		5.5	2.57	2.10	240							93		2												
19	5.579				7.6	20.0		0.0		10.0								2.56	6.02	124.9		5.6	2.81	2.28	250							98														
20	5.649				7.8	20.0		0.0		9.5								2.70	6.62	105.1		6.4	2.65	2.13	240							0														
21	5.482				7.7	15.0		0.0		9.7								2.62	7.40	92.0		5.3	2.62	2.15	230							56														
22	4.952	36	36		7.8	25.0		0.0		9.3		312		4	262		4	2.64	7.20	98.6		4.8	2.72	2.22	240						1.38	79	93	0.95		0.405										
23	4.834				7.6	20.0		0.0		9.3		124		4	105		4	2.61	7.06	98.6		4.8	2.67	2.18	240							93	1.2	2												
24	5.182				7.6	15.0		0.0		9.5		118		4	107		3	2.64	6.14	105.1		4.9	2.44	1.98	210							74	1.2	2												
25	5.256	36	36		7.6	10.0		0.0		9.3								2.65	6.33	105.1		4.8	2.07	2.07	210							68		2												
26	4.932				7.7	10.0		0.0		9.7								2.25	6.52	105.1		5.1	2.71	2.20	210							12														
27	4.573				7.8	15.0		0.0		9.9								2.25	6.67	105.1		4.9	2.78	2.30	250							0														
28	6.216				7.7	10.0		0.0		9.3								2.51	9.82	85.4		5.7	2.92	2.39	240							72														
29	5.349	36	36		7.8	10.0		0.0		9.4								2.52	8.14	98.6		5.6	2.91	2.35	210							79														
30	5.215				7.7	10.0		0.0		9.3								2.60	8.73	98.6		5	3.001	2.38	210							60														
31	6.108				7.6	20.0		0.0		8.8								2.56	7.72	92.0		4.3	2.55	2.10	200							110														
Tot.	182.5	324	288															85.15														2222.6														
Avg.	5.888	36	36		7.7	15.3				9.7		247		6	115		3	2.747	8.4406	96.22		5.735	3.003	2.4552	263.9						1.458	76.75	71.69677	1.03	2	0.62	0.000250	214.00	0.003	0.01						

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 56079 FLOW
 33245 CBOD
 57644 TSS

Curtis E Otto
 OPERATOR

20265
 CERT. NO.

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

241-9310
 PLANT TELEPHONE

Report Selections: Period: 03/01/2016 00:00 thru 03/31/2016 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
SMN Sewer Main	MSD1058-LS	9519 U S HIGHWAY 42		HITE CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	2531214		03/26/2016	BRAZEL	GRAY JR	REPAIRED - ISSUE RESOLVED	03/27/2016	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	03/27/16 12:15 AM	

Discharge Reporting:

Discharge Amount:	800 GAL
Cause:	FORCE MAIN BREAK
Clean Up:	CLEANED AND SANITIZED THE IMPACTED AREA
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA
Impact:	SEWAGE FOUND ON THE GROUND
Repair:	CONTRACTOR REPAIRED FORCE MAIN
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA

Notifications:

3/25/16 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
3/25/16 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: 1

Total Work Orders Printed: 1