



700 West Liberty Street | Louisville, KY 40203-1911
Phone: 502.587.0603 | Fax: 502.540.6106 | louisvillemsd.org

May 9, 2018

Cheryl Edwards
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for April 2018.**

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 2018.

Overflow report attached.

There were no bypasses or exceedances.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5858.

Sincerely,

Staci Huber
Process Supervisor

SH/ Hite Creek. 04/18.

Cc: V. Teague
R. Shaw

DMR Copy of Record

Permit			
Permit #:	KY0022420	Permittee:	Hite Creek WQTC MSD
Major:	Yes	Permittee Address:	700 W Liberty St Louisville, KY 40203
Permitted Feature:	001 External Outfall	Discharge:	001-1A SANITARY WASTEWATER
Facility:		Facility Location:	HITE CREEK WQTC MSD 5512 HITT LN LOUISVILLE, KY 40285

Report Dates & Status			
Monitoring Period:	From 04/01/18 to 04/30/18	DMR Due Date:	05/28/18
Status:	NetDMR Validated		

Considerations for Form Completion
Parameter 00610 - Use Season 1 for summer months (May, June, July, August, September, and October) and Season 2 for winter months (November, December, January, February March, and April); enter NODI=9 for the Season not needed.

Principal Executive Officer			
First Name:	James A	Title:	Executive Director
Last Name:	Parrott	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					=	9					19 - mg/L	03/07 - Three Per Week	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					=	7.1			=	8.2	12 - SU	03/07 - Three Per Week	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	=	260	=	328	26 - lb/d			=	5	=	6	19 - mg/L	03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	1502 MO AVG	<=	2253 MX WK AV	26 - lb/d			<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	03/07 - Three Per Week	24 - COMP24
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample							=	103	=	129	19 - mg/L	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.														
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample							=	12.7525	=	16.33	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.														
					Value NODI														
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample							=	21.315	=	25.38	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.														
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample							=	0.4	=	0.6	19 - mg/L	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.														
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample							=	0.3	=	0.4	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.														
					Value NODI														
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	2	--	Sample							=	2.52	=	3.42	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.														
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	5.334	=	7.854	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Permit Req.														
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample							=	1	=	3	13 - #/100mL	03/07 - Three Per Week	GR - GRAB	
					Permit Req.														
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	236	=	315	26 - lb/d			=	5	=	5	19 - mg/L	03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	501 MO AVG	<=	751 MX WK AV	26 - lb/d			<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L	03/07 - Three Per Week	24 - COMP24
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample							=	131	=	158	19 - mg/L	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.														
					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.														
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample							=	95			23 - %	01/30 - Monthly	CA - CALCTD	
					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

Name	Type	Size
201804HCWQTCOverflowReport.pdf	pdf	95867
042018HCMOR.pdf	pdf	66799
042018_HC_Coverletter.pdf	pdf	64731

Report Last Saved By

Hite Creek WQTC MSD

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemmsd.org
Date/Time: 2018-05-16 09:59 (Time Zone: -04:00)

Report Last Signed By

User: staci.huber@louisvillemmsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemmsd.org
Date/Time: 2018-05-16 13:39 (Time Zone: -04:00)

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	MG/DAY	MLSS (mg/L)	MLSS GAL WAST ED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L)	MLVSS (mg/L)	SETTLED SLUDGE VOLUME		RAW			HAULED			NH ₃ -N (mg/L)	ECOLI	Phosphorus mg/L	Total Nitrogen							
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000											
1	7.076			7.4	7.2												4.73	9840	65900	4.5	2010	3860	300										0.2									
2	8.765			7.4	7.2			10.0					64		6	75	4	4.73	9840	65900	4.5	2010	3860	300																		
3	8.222			7.7	8.2			9.7					80		3	83	5	4.40	11200	65900	4.7	4750	3790	300																		
4	9.696							9.5					43		6	101	5	4.39	13320	65900	4.5	4750	3680	280																		
5	7.861																	4.24	14980	65900	4.9	4210	3210	250																		
6	6.967																	4.67	13770	65900	4.7	4350	3670	260																		
7	6.392																	4.72	14110	65900	4.4	4490	3710	270																		
8	5.661			7.4	7.4													4.70	13090	65900	4.5	4910	3800	270																		
9	5.599			7.0	7.6			9.9					168		7	167	5	4.57	14100	65900	4.7	4200	3470	250																		
10	4.845			7.3	7.3			9.8					92		6	165	6	4.73	11610	65900	4.9	5760	4360	350																		
11	4.287							9.9					126		5	141	3	4.69	12100	65900	4.6	5510	4290	300																		
12	4.046																	4.71	9360	65900	4.7	5720	4450	310																		
13	3.762																	4.65	10140	65900	4.6	5630	4270	310																		
14	4.252																	4.71	12160	65900	4.5	5160	3970	310																		
15	6.255			7.2	7.5													4.72	12150	65900	4.5	5190	3830	300																		
16	5.546			7.0	7.6			9.5					120		7	124	7	4.59	13760	65900	4.7	4870	3750	280																		
17	4.874			6.8	7.1			9.3					74		5	142	5	4.33	13660	65900	4.9	6610	6320	550																		
18	4.467							9.9					114		6	136	4	4.44	8520	65900	5.0	4730	3470	330																		
19	4.351																	4.41	11980	65900	5.3	5430	4180	350																		
20	4.124																	4.61	12060	65900	5.3	5000	3760	350																		
21	4.08																	4.54	11980	65900	4.9	4970	3740	350																		
22	3.654			7.2														4.56	12600	65900	4.7	5110	4500	380																		
23	4.687			7.1	7.2								108		5	179	5	4.79	13100	65900	4.8	5415	4720	400																		
24	5.313			7.2	7.5			9.3					180		4	155	4	4.62	12110	65900	4.9	4810	3420	350																		
25	5.247			6.8	7.2			9.5					70		4	100	4	4.71	12720	65900	4.8	4940	3950	360																		
26	4.853							9.7										4.03	13180	65900	4.6	5750	4440	400																		
27	4.166																	3.14	15880	65900	4.8	5360	4130	380																		
28	3.981																	3.21	14590	65900	4.5	5160	3940	370																		
29	3.372																	3.01	13680	65900	4.1	5210	4020	370																		
30	3.641																	3.17	12800	65900	4.2	5270	4020	400																		
31																		2.96	12480	65900	4.0	5410	4120	400																		
Tot.	160																																									
Avg.	5.334			7.2	7.4			9.7					103		5	131	5	4.324	12568	65900	4.673	5024	4028	336																		

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

50802
FLOW

34194
CBOD

21873
TSS

Curtis E. Otto
OPERATOR

20265
CERT. NO.

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

502-540-6000
PLANT TELEPHONE

Report Selections: Period: 04/01/2018 00:00 thru 04/30/2018 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
SLS Sewer Lift Station	MSD1206-PS	6100 MAYFAIR AVE	TRANSYLVANIA BEACH	OHIO RIVER	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2892689		04/04/2018	GOODWIN	BRAZEL	BEYOND APPROVED DESIGN STORM	04/04/2018	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	04/12/18 08:30 AM	

Discharge Reporting:

Discharge Amount:	9,999 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RIVER FLOODING.
Clean Up:	NO CLEANUP REQUIRED.
Control Zone:	NO CONTROL ZONE-DUE TO FLOODING WAS UNABLE TO ACCESS STATION.
Impact:	NO IMPACT OBSERVED-STATION UNDERWATER.
Repair:	STATION WILL BE RETURNED TO SERVICE WHEN RIVER RECEDES.
Public Notification:	ROADS CLOSED AROUND THE AREA.

Notifications:

4/9/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
4/9/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 1

Total Work Orders Printed: 1