



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

December 17, 2018

Crystal Dennis
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

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

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Hite Creek WQTC, for the month of November 2018.

Also attached is overflow report.

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. 11/18.

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:			HITE CREEK WQTC MSD
Facility Location:			5512 HITT LN LOUISVILLE, KY 40285

Report Dates & Status			
Monitoring Period:	From 11/01/18 to 11/30/18	DMR Due Date:	12/28/18
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					=	8					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			=	7.8	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	=	403	=	591	26 - lb/d			=	8	=	10	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							=	168	=	247	19 - mg/L	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.														
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample							=	16	=	17	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.														
					Value NODI														
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample							=	29	=	37	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.														
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample							=	0.8	=	2	19 - mg/L	03/07 - Three Per Week	24 - COMP24	
					Permit Req.														
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample							=	0.7	=	0.9	19 - mg/L	01/07 - Weekly	24 - COMP24	
					Permit Req.														
					Value NODI														
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	2	--	Sample							=	3.28	=	3.82	19 - mg/L	01/07 - Weekly	24 - COMP24	
					Permit Req.														
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	4.672	=	5.993	03 - MGD							03/07 - Three Per Week	CN - CONTIN	
					Permit Req.														
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample							=	5	=	30	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	=	275	=	355	26 - lb/d			=	6	=	6	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							=	192	=	270	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							=	97			23 - %	03/07 - Three Per Week	CA - CALCTD	
					Permit Req.														
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample							=	95			23 - %	03/07 - Three Per Week	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
November2018_OverflowReport_HiteCreek.pdf	pdf	95844
HCMOR112018.pdf	pdf	74702
HC_Coverletter_11302018.pdf	pdf	35174

Report Last Saved By

Hite Creek WQTC MSD

User: staci.huber@louisvillemsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemsd.org
Date/Time: 2018-12-17 13:43 (Time Zone: -05:00)

Report Last Signed By

User: staci.huber@louisvillemsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemsd.org
Date/Time: 2018-12-17 13:44 (Time Zone: -05:00)

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	MGD/DAY	MLSS (mg/L)	MLSS GAL WAST ED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L)	MLVSS (mg/L)	SETTLED SLUDGE VOLUME#		RAW			HAULED			NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	Phosphorus mg/L	Ecoli	Total Nitrogen										
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000															
1	8.259			7.2	7.5				8.8		204		8	218		3	3.33	12110	65900	4.4	3710	3090	220											0.2		0.645										
2	6.4																3.27	11990	65900	4.1	3470	2970	200																							
3	5.07																3.11	12100	65900	4.4	3150	2610	200														1									
4	4.372			7.3	7.3				8.5		232		6	216		4	3.295	11450	65900	7.9	3910	2990	220												0.22											
5	4.559				7.4				8.7		82		4	71		4	3.45	7320	65900	4	3570	2890	250											0.39			1	14.4								
6	7.859			7.3	7.6				8.4								3.607	11770	65900	3.9	3110	2640	200															11								
7	5.328																3.572	10910	65900	4.1	3400	2910	200																							
8	4.685			7.4	7.7				8.2		116		6	164		3	3.495	8040	65900	5.9	3590	3070	200											0.45		0.43										
9	4.461			7.3	7.5				8.7								3.457	8870	65900	5.8	3460	2990	200																18							
10	4.111			7.4													3.545	10190	65900	5.8	3270	2740	200																	18						
11	3.796			6.9	7.7				9.2		102		9	137		16	3.387	8540	65900	3.1	3430	2860	210													3.6										
12	3.545			7.2	7.8				8.9		164		11	210		7	3.246	9010	65900	2.8	3850	3260	200																64	15						
13	3.748												6			2	3.253	9610	65900	3.1	3280	2720	240														2		23							
14	3.812												9			4	3.429	10120	65900	4.8	3410	3020	200																							
15	7.238			7.1	7.4				9.1		121		13	133		6	3.4	9100	65900	5.1	3290	2870	220															0.45		0.571						
16	5.993			7.2													3.47	10750	65900	5	3410	3090	220																	2						
17	5.119			7.4													3.35	11210	65900	4.4	3670	2940	220																							
18	4.649			7.2	7.2				9.4		91		6	154		7	3.071	9270	65900	5.3	3090	2770	220																							
19	4.323			7.4	7.7				9.2		166		11	192		6	3.101	9250	65900	5	3370	2880	230																0.21							
20	4.116																3.427	8290	65900	5.4	4300	3600	240																		1.25	8	16.4			
21	4.024																3.539	8970	65900	5.2	3860	3280	230																		1					
22	3.659																3.424	9780	65900	4.7	3340	2800	240																							
23	3.22																3.645	9990	65900	4.9	3680	3120	230																							
24	4.475			7.4	7.1				9.0								3.059	9860	65900	4.7	3530	2990	250																							
25	4.159			7.2	7.5				8.7		178		8	168		6	3.281	11890	65900	5.7	4480	3740	240																	0.2						
26	4.16			7.2	7.4				8.8		164		8	193		8	3.11	7940	65900	3	3810	3170	210																	0.22		0.706	9	17.3		
27	3.826										400		8				3.507	8940	65900	4	3990	3210	210																		2					
28	3.701																3.355	10100	65900	5	3710	3090	200																			6				
29	3.743																3.531	9750	65900	5	3490	3010	200																							
30	3.774																3.489	10200	65900	5.1	3570	3200	220																							
31																																														
Tot.	140.2																101.2																													
Avg.	4.673			7.3	7.5				8.8		168		8	169		6	3.374	9910	65900	4.72	3573	3017	217.3																			0.79		0.72	12.17	15.78

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
44503 FLOW
38669 CBOD
31239 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: 11/01/2018 00:00 thru 11/30/2018 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	MSD1085-PS	7520 KAVANAUGH RD	KAVANAUGH ROAD	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	3012575		11/15/2018	GOODWIN	BRAZEL	DOCUMENTED	05/11/2003	POWER OUTAGE (LG&E)	UNAUTHORIZED DISCHARGE-WATER S	11/15/18 01:15 PM	

Discharge Reporting:

Discharge Amount:	5,700 GAL
Cause:	POWER OUTAGE (LG&E).
Clean Up:	MSD DISINFECTED AREA WITH LIME.
Control Zone:	PERMANENT SIGNS SUPPLEMENTED WITH TEMPORARY SIGNS.
Impact:	SEWAGE FOUND AROUND WET WELL.
Repair:	GENERATOR UTILIZED UNTIL POWER RESTORED.
Public Notification:	PERMANENT SIGNS SUPPLEMENTED WITH TEMPORARY SIGNS.

Notifications:

11/17/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Total Facilities Printed: 1

Total Work Orders Printed: 1