



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

October 23, 2018

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

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

There were no bypasses or exceedances.

Attached is the overflow report.

Also attached is 3rd quarter biomonitoring.

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. 09/18.

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 09/01/18 to 09/30/18	DMR Due Date:	10/28/18
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	0	03/07 - Three Per Week	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.2			=	7.9	12 - SU	03/07 - Three Per Week	GR - GRAB	
					Permit Req.					>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU	0	03/07 - Three Per Week	GR - GRAB	
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	249	=	626	26 - lb/d		=	4	=	7	19 - mg/L	03/07 - Three Per Week	24 - COMP24		
					Permit Req.	<=	1502 MO AVG	<=	2253 MX WK AV	26 - lb/d		<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	0	03/07 - Three Per Week	24 - COMP24	
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample						=	199	=	339	19 - mg/L	03/07 - Three Per Week	24 - COMP24			
					Permit Req.												0	03/07 - Three Per Week	24 - COMP24	
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	14	=	19	19 - mg/L	01/07 - Weekly	24 - COMP24			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample						=	30	=	46	19 - mg/L	01/07 - Weekly	24 - COMP24			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample						=	0.3	=	0.4	19 - mg/L	03/07 - Three Per Week	24 - COMP24			
					Permit Req.						<=	2 MO AVG	<=	3 MX WK AV	19 - mg/L	0	03/07 - Three Per Week	24 - COMP24		
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample						=	0.5	=	0.6	19 - mg/L	01/07 - Weekly	24 - COMP24			
					Permit Req.						<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24		
					Value NODI															
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	1	--	Sample						=	3.37	=	5.28	19 - mg/L	01/07 - Weekly	24 - COMP24			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	5.181	=	8.114	03 - MGD							99/99 - Continuous	RC - Recorder (auto)		
					Permit Req.													0	99/99 - Continuous	RC - Recorder (auto)
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	1	=	3	13 - #/100mL	03/07 - Three Per Week	GR - GRAB			
					Permit Req.						<=	130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL	0	03/07 - Three Per Week	GR - GRAB		
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	275	=	605	26 - lb/d		=	5	=	8	19 - mg/L	03/07 - Three Per Week	24 - COMP24		
					Permit Req.	<=	501 MO AVG	<=	751 MX WK AV	26 - lb/d		<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L	0	03/07 - Three Per Week	24 - COMP24	
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	185	=	310	19 - mg/L	03/07 - Three Per Week	24 - COMP24			
					Permit Req.												0	03/07 - Three Per Week	24 - COMP24	
					Value NODI															
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	97				23 - %	01/30 - Monthly	CA - CALCTD		
					Permit Req.						>=	85 MO AV MN				23 - %	0	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 AV MN				23 - %	0	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
HC_Coverletter_092018.pdf	pdf	40724
September2018_OverflowReport_HiteCreek.pdf	pdf	95576
HC_MOR_092018.pdf	pdf	72090

Report Last Saved By

Hite Creek WQTC MSD

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemmsd.org
Date/Time: 2018-10-24 11:30 (Time Zone: -04:00)

Report Last Signed By

User: staci.huber@louisvillemmsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemmsd.org
Date/Time: 2018-10-24 13:27 (Time Zone: -04:00)

DMR Copy of Record

Permit																				
Permit #:	KY0022420	Permittee:	Hite Creek WQTC MSD	Facility:	HITE CREEK WQTC MSD															
Major:	Yes	Permittee Address:	700 W Liberty St Louisville, KY 40203	Facility Location:	5512 HITT LN LOUISVILLE, KY 40285															
Permitted Feature:	001 External Outfall	Discharge:	001-2A QUARTERLY BIOMONITORING																	
Report Dates & Status																				
Monitoring Period:	From 07/01/18 to 09/30/18	DMR Due Date:	10/28/18	Status:	NetDMR Validated															
Considerations for Form Completion																				
Principal Executive Officer																				
First Name:	James A	Title:	Executive Director	Telephone:	502-540-6000															
Last Name:	Parrott																			
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				
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample										<	1	2G - tox chronic	01/90 - Quarterly	24 - COMP24	
					Permit Req.										<=	1 MAXIMUM	2G - tox chronic	01/90 - Quarterly	24 - COMP24	
					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:	staci.huber@louisvillemsd.org																			
Name:	Staci Huber																			
E-Mail:	staci.huber@louisvillemsd.org																			
Date/Time:	2018-10-24 10:55 (Time Zone: -04:00)																			
Report Last Signed By																				
User:	staci.huber@louisvillemsd.org																			
Name:	Staci Huber																			
E-Mail:	staci.huber@louisvillemsd.org																			
Date/Time:	2018-10-24 13:28 (Time Zone: -04:00)																			

Report Selections: Period: 09/01/2018 00:00 thru 09/30/2018 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
SMN Sewer Main	41867P-CO	6319 RIVER RD			

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	2989983		09/29/2018	ROTTET JR	NOE			STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	09/29/18 02:00 PM	

Discharge Reporting:

Discharge Amount:	300 GAL
Cause:	STRUCTRUAL FAILURE (FORCE MAIN BREAK).
Clean Up:	MSD CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE ON GROUND AROUND DISCHARGE SITE.
Repair:	PUMP STATION SHUT DOWN AND HAULED STATION WHILE REPAIRS BEING MADE.
Public Notification:	ADVISED CUSTOMER ON SITE, DRY WEATHER PAGE SENT OUT TO UPDATE MSD WEBSITE.

Notifications:

9/30/18 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

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	RETURN		WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L)	MLVSS (mg/L)	30 MIN.	60 MIN.	RAW			HAULED			NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	Phosphorus mg/L	E Coli	Total Nitrogen					
																			MLSS (mg/L)	MLSS GAL							GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000										
																																						30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS
1	3.706																1.81	9230	65700	3.5	3130	2640	200																			
2	3.008																1.71	11790	65700	3.3	3600	2930	190																			
3	2.783			7.4	7.4			8.0		174		3	184	3	1.68	12200	65900	4	3910	3010	200													0.49		0.508			2.5			
4	3.037			7.3	7.5			7.9		123		4	185	2	1.63	13600	65900	3.9	3540	2830	200												0.4									
5	3.235			7.4	7.4			7.9		250		6	260	4	1.81	13100	65900	4.2	3770	2990	200												0.22									
6	3.392															1.84	11900	65900	4	3450	2010	200																				
7	3.323															1.72	12450	65900	4.4	3500	2910	200																		4		
8	4.959															2.23	12000	65900	4	3550	2930	200																		2		
9	10.72			7.1	7.2			8.0		83		3	86	3	3.03	13000	65900	3.9	3680	3060	250												0.41		0.356		2		7.84			
10	6.054			7.3	7.9			8.4		174		3	126	3	2.94	7960	65900	3.9	3580	2920	200												0.2									
11	4.938			7.3	7.4			8.2		138		3	159	4	3.48	11120	65900	3.9	3310	2890	200												0.2									
12	4.408															3.58	9710	65900	4.1	3440	2750	200																				
13	3.444															3.44	10240	65900	3.8	3260	2570	200																			1	
14	4.076															3.26	10900	65900	4	3410	2800	200																			1	
15	7.632															3.15	9050	65900	3.9	3180	2510	200																			1	
16	3.296			7.3	7.6			7.5		170		3	191	4	2.98	12840	65900	4.2	3830	3200	200												0.2			0.59				1.6		
17	3.513			7.3	7.5			7.7		556		3	462	11	3.04	11900	65900	4.7	3410	2890	220											1.77		0.2								
18	3.621			7.3	7.6			7.9		292		2	277	8	3.57	12210	65900	4.4	3190	2670	200												0.2									
19	3.435															3.51	11110	65900	4.9	3370	2890	200																				
20	3.209															3.57	12450	65900	4.5	3770	2990	200																				
21	3.475															3.41	10190	65900	4.1	3450	2190	200																				1
22	4.118															3.35	12100	65900	4	3110	2370	220																			4	
23	7.572			7.2	7.4			8.0		92		6	101	11	3.19	14210	65900	4.4	3490	2870	200												0.2			0.374					2.1	
24	11.57			7.1	7.2			8.3		94		10	68	7	2.99	17480	65900	4.7	3040	2570	180												0.2									
25	10.68			7.1	7.8			8.1		246		6	120	5	3.36	13360	65900	4.1	3410	2770	190												0.2									
26	10.08															3.18	13750	65900	4.9	3190	2810	200																				
27	6.985															3.40	11790	65900	4.9	3340	2710	200																				
28	5.788															3.47	12410	65900	4.8	3270	2650	200																				1
29	4.971															3.20	10720	65900	5.1	3430	2790	200																				1
30	4.367															3.28	11990	65900	2.5	3380	2730	200																				
Tot.	155.4															86.8																										
Avg.	5.179			7.3	7.5			8.0		199		4	185	5	2.89	11892	65887	4.167	3433	2762	201.7											1.593		0.26		0.46				3.51		

TOTAL NUMBER OF SEWER CONNECTIONS	RESIDENTIAL	INDUSTRIAL WASTE POPULATION EQUIVALENT	Curtis E. Otto	502.540.6004
SEWER CONNECTIONS	COMMERCIAL	FLOW	OPERATOR	PLANT TELEPHONE
0	INDUSTRIAL	CBOD	20265	
0 X 4 = 0		TSS		
SEWERED POPULATION				