



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

March 19, 2019

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

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for February 2019.**

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 February 2019.

There were no bypasses or exceedances.

Overflow report is attached.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Staci Huber", is written over a large, light-colored, textured watermark that covers the right side of the page.

Staci Huber
Process Supervisor

SH/ Hite Creek. 02/19.

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 02/01/19 to 02/28/19	DMR Due Date:	03/28/19
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						=	7.2			=	7.6	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	=	436	=	697	26 - lb/d			=	7	=	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							=	152	=	219	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.															
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample							=	9	=	17	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.															
					Value NODI															
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample							=	20	=	32	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.															
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample							=	1	=	3	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.															
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample							=	0.6	=	0.8	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.															
					Value NODI															
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	2	--	Sample							=	3.9	=	6.7	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	=	7.43	=	10.784	03 - MGD								99/99 - Continuous	CN - CONTIN	
					Permit Req.															
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample							=	8	=	72	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	=	388	=	663	26 - lb/d			=	6	=	10	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							=	190	=	329	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 - %	01/30 - Monthly	CA - CALCTD		
					Permit Req.															
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample							=	96			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
HC_coverletter0219.pdf	pdf	39218
DischargeReport_HiteCreek_February2019.pdf	pdf	101492
HC_MOR_0219.pdf	pdf	75863

Report Last Saved By

Hite Creek WQTC MSD

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org
Date/Time: 2019-03-20 07:39 (Time Zone: -04:00)

Report Last Signed By

User: staci.huber@louisvillemsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemsd.org
Date/Time: 2019-03-20 07:59 (Time Zone: -04:00)

Report Selections: Period: 02/01/2019 00:00 thru 02/28/2019 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	102451-V			HARRODS CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	3058887		02/27/2019	GRAY JR	SUTHERLAND	REPAIRED - ISSUE RESOLVED	02/27/2019	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE-WATER S	02/27/19 05:45 PM	

Discharge Reporting:

Discharge Amount:	3,750 GAL
Cause:	STRUCTURAL FAILURE OF MAIN SEWER.
Clean Up:	CLEAN UP PERFORMED BY MSD. RAKED, CLEANED ,LIMED, SEED AND STRAW PUT DOWN.
Control Zone:	TEMPORARY SIGNS HAVE BEEN POSTED.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND ON THE GROUND.
Repair:	STATION PUMPS TURNED OFF.
Public Notification:	MSD SITE IS UPDATED TO INCLUDE THE EVENT AND NOTIFY PUBLIC.

Notifications:

2/28/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/28/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 02/01/2019 00:00 thru 02/28/2019 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	3053370		02/12/2019	GRAY JR	BINKLEY	LIMITED CAPACITY DUE TO FLOOD OPERATIONS	02/25/2019	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	02/19/19 08:05 AM	

Discharge Reporting:

Discharge Amount:	9,999 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT.
Clean Up:	NO CLEANUP. STATION UNDER WATER.
Control Zone:	NO CONTROL ZONE. DUE TO FLOODING WAS UNABLE TO ACCESS STATION.
Impact:	NO IMPACT OBSERVED. STATION UNDER WATER.
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP.
Public Notification:	ROADS CLOSED AROUND AREA.

Notifications:

2/12/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/12/19 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 02/01/2019 00:00 thru 02/28/2019 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 (Cont'd)	MSD0202	HITE CREEK			HITE CREEK			EAST			
<u>Activity Code / Description</u>	<u>WO #</u>	<u>Ref No</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
: DISREVRain EVENT DISCHARGE	3057848		2/25/2019 2:00:00PM	CATALANO JR	CATALANO JR	LIMITED CAPACITY DUE TO FLOOD OPERATIONS	02/25/2019	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	03/03/19 10:00 AM	

Discharge Reporting:

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

Notifications:

2/26/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/26/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 2

Total Work Orders Printed: 3

NAME OF TREATMENT PLANT HITE CREEK WTP COUNTY JEFFERSON MONTH OF: February 2019
 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	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)	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	4.0021																3.54	11960	65900	3	4170	3470	240																			
2	4.0827																3.487	12170	65900	3.2	3940	3270	250																			
3	3.7311			7.3	7.6				10.0	208	6	409	8	3.43	6880	65900	2.7	4650	4020	290											0.57		0.798									
4	3.8113			7.2	7.4				9.5	132	6	302	5	3.707	11210	65900	3.2	4110	3890	250																						
5	3.8516			7.3	7.4				9.8	160	5	275	5	3.633	7240	65900	2.9	4550	3770	300										2.37		0.2	21		16.7							
6	6.1482															3.719	10100	65900	3.2	4120	3510	300									0.64		11									
7	9.1425															3.583	12190	65900	3.9	4000	3480	270															16					
8	9.2515															3.64	14100	65900	3.4	4750	3910	270																				
9	7.0382															3.433	13110	65900	3.9	4210	3710	250																				
10	7.0382			7.2	7.3				9.1	260	8	204	5	3.062	8510	65900	2.7	3110	2710	200												0.46		0.372								
11	17.152			7.3	7.4				9.4	31	8	48	7	3.691	11110	65900	3.9	3790	3110	250																						
12	14.295			7.2	7.2				9.7	62	4	93	3	5.054	9700	65900	4	3110	2790	200									2.34		1.2	138			7.92							
13	10.982															5.641	12170	65900	3.8	3240	2720	200										0.31		62								
14	9.7334															4.677	10450	65900	3.4	3760	3140	250																	43			
15	8.2538															3.714	11670	65900	3.3	3590	3010	240																				
16	7.0074															3.461	10600	65900	3.1	3640	3100	230																				
17	5.9992			7.3	7.4				9.4	252	5	198	3	3.595	11400	65900	4.1	3720	3120	240																						
18	5.6545			7.3	7.3				9.3	290	5	204	3	3.63	10540	65900	4.3	3840	3220	240																		0.23	0.509			
19	4.7423			7.2	7.4				9.6	115	5	136	4	3.938	11750	65900	4.1	3790	3180	240										2.16		0.31	1					3.83				
20	9.031															3.616	12170	65900	4.7	3210	2900	250											0.2		1							
21	7.9149															3.885	11100	65900	4.1	3610	3170	250																		1		
22	6.66															3.717	12790	65900	4.3	3250	2690	240																				
23	6.6727															3.745	11310	65000	4.1	4210	3990	280																				
24	9.4483			7.4	7.4				9.1	61	12	130	13	2.696	9200	65900	6.1	4820	3840	200																						
25	7.1784			7.1	7.5				9.3	53	8	112	7	1.854	10460	65900	5.9	3910	3280	240																		4.5		0.521		
26	6.5593			7.0	7.2				9.0	195	9	168	10	2.34	9210	65900	4.2	3290	2790	200																					8.93	
27	6.3148															2.66	11300	65900	4.9	3300	2680	220																				
28	6.3382															2.542	14010	65900	4.8	4280	3400	310																				
29																																										
30																																										
31																																										
Tot.	208.03															99.89																										
Avg.	7.4298			7.2	7.4				9.4	152	7	190	6	3.568	11015	65868	3.9	3856	3281	245.7																						

RESIDENTIAL COMMERCIAL INDUSTRIAL INDUSTRIAL WASTE POPULATION EQUIVALENT

70760 69224 44728
 FLOW CBOD TSS

Curtis E. Otto 20265
 OPERATOR CERT. NO.

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

502.540.6000
 PLANT TELEPHONE