



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

March 12, 2018

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

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

Also attached is an overflow report.

There were no exceedances or bypasses.

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. 02/18.

Cc: V. Teague  
R. Shaw

**DMR Copy of Record**

**Permit**

<b>Permit #:</b>	<b>KY0022420</b>	<b>Permittee:</b>	Hite Creek WQTC MSD	<b>Facility:</b>	HITE CREEK WQTC MSD
<b>Major:</b>	Yes	<b>Permittee Address:</b>	700 W Liberty St Louisville, KY 40203	<b>Facility Location:</b>	5512 HITT LN LOUISVILLE, KY 40285
<b>Permitted Feature:</b>	001 External Outfall	<b>Discharge:</b>	<b>001-2</b> MUNICIPAL WASTEWATER		

**Report Dates & Status**

<b>Monitoring Period:</b>	<b>From 02/01/18 to 02/28/18</b>	<b>DMR Due Date:</b>	<b>03/28/18</b>	<b>Status:</b>	<b>NetDMR Validated</b>
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**Considerations for Form Completion**

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

**Principal Executive Officer**

<b>First Name:</b>	James A	<b>Title:</b>	Executive Director	<b>Telephone:</b>	502-540-6000
<b>Last Name:</b>	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	
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample	=	9									19 - mg/L	13/30 - 13 Per Month	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				=	7.7				12 - SU	13/30 - 13 Per Month	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	=	614	=	1322	26 - lb/d	=	10	=	12		19 - mg/L	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	0	03/07 - Three Per Week	CP - COMPOS	
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	8573	=	12148	26 - lb/d	=	172	=	381		19 - mg/L	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	0	03/07 - Three Per Week	CP - COMPOS	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	51	=	75	26 - lb/d	=	1	=	2		19 - mg/L	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	0	03/07 - Three Per Week	CP - COMPOS	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	643	=	705	26 - lb/d	=	14	=	22		19 - mg/L	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	0	03/07 - Three Per Week	CP - COMPOS	
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample	=	0.6	=	0.9							19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.	<=	2 MO AVG	<=	3 MX WK AV							19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	7.503	=	18.015	03 - MGD										
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								0	99/99 - Continuous	CN - CONTIN
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample	=	9	=	51							13 - #/100mL	03/07 - Three Per Week	GR - GRAB		
					Permit Req.	<=	200 30DA GEO	<=	400 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	=	434	=	620	26 - lb/d	=	8	=	10		19 - mg/L	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	0	03/07 - Three Per Week	CP - COMPOS	
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample	=	6663	=	8729	26 - lb/d	=	125	=	177		19 - mg/L	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	0	03/07 - Three Per Week	CP - COMPOS	
					Value NODI															
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample	=	94									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	=	94									23 - %	01/30 - Monthly	CA - CALCTD		
					Permit Req.	>=	85 MO MIN									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**

<b>Attachments</b>		
<b>Name</b>	<b>Type</b>	<b>Size</b>
201802HCWQTCOverflowReport.pdf	pdf	102451
022018_HC_MOR.pdf	pdf	62579
022018_HC_Coverletter.pdf	pdf	72994

**Report Last Saved By**

**Hite Creek WQTC MSD**

User: staci.huber@louisvillemsd.org  
 Name: Staci Huber  
 E-Mail: staci.huber@louisvillemsd.org  
 Date/Time: 2018-03-27 12:17 (Time Zone: -04:00)

**Report Last Signed By**

User: staci.huber@louisvillemsd.org  
 Name: Staci Huber  
 E-Mail: staci.huber@louisvillemsd.org  
 Date/Time: 2018-03-27 12:18 (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-R REASONABLE POTENTIAL												
Report Dates & Status																		
Monitoring Period:	From 02/01/18 to 02/28/18				DMR Due Date:	03/28/18				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		
00722	Cyanide, free [amen. to chlorination]	1 - Effluent Gross	0	--	Sample					<	0.005			<	0.005	19 - mg/L	01/30 - Monthly	CP - COMPOS
					Permit Req.												01/30 - Monthly	CP - COMPOS
					Value NODI													
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample					=	228			=	228	19 - mg/L	01/30 - Monthly	CP - COMPOS
					Permit Req.												01/30 - Monthly	CP - COMPOS
					Value NODI													
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--	Sample					<	0.005			<	0.005	19 - mg/L	01/30 - Monthly	CP - COMPOS
					Permit Req.												01/30 - Monthly	CP - COMPOS
					Value NODI													
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample					=	0.25			=	0.25	19 - mg/L	01/30 - Monthly	CP - COMPOS
					Permit Req.												01/30 - Monthly	CP - COMPOS
					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																		
<b>Hite Creek WQTC MSD</b>																		
User:	staci.huber@louisvillemtd.org																	
Name:	Staci Huber																	
E-Mail:	staci.huber@louisvillemtd.org																	
Date/Time:	2018-03-19 13:03 (Time Zone: -04:00)																	
Report Last Signed By																		
User:	staci.huber@louisvillemtd.org																	
Name:	Staci Huber																	
E-Mail:	staci.huber@louisvillemtd.org																	
Date/Time:	2018-03-27 12:18 (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/DDAY	RETURN		MLSS (mg/L)	MLSS GAL	WAST ED	DISSOLVED OXYGEN (mg/L)	MLVSS (mg/L)	MLVSS (mg/L)	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												
																			M/LSS	M/LSS							30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS									% VOLATILE SOLIDS	MATERIAL X 1000	MATERIAL X 1000									
																																												MG/LSS	MG/LSS							
1	3.98			7.6	7.5			9.5			268		12	153		11.0	1.70	12940	65700	3.9	3380	2770	200							0.51																						
2	3.88																1.66	13590	65700	4.5	3500	2880	200					1.031	78					5																		
3	3.82																1.67	13370	65700	4.9	3450	2870	200																													
4	3.74			7.5	7.4			9.1			452		11	185		11.0	1.66	9460	65700	4.6	3920	3230	200									2.8																				
5	3.67			7.6	7.0			9.0			424		8	192		9.0	1.62	13490	65700	4.4	3690	3040	200								1.3	7																				
6	3.80																1.59	12670	65700	4.1	3520	2680	200										3840	0.425																		
7	5.44																1.70	15200	65700	4.3	2790	2240	180									1.2																				
8	4.83			7.4	7.7			9.4			56		7	102		8.0	1.65	14030	65700	5.1	3060	2450	170																													
9	4.56																1.66	13760	59200	4.6	3190	2580	160													5																
10	4.43																1.65	12080	59200	4.4	3390	2780	170																													
11	5.04			7.4	7.5			9.6			130		10	126		7.0	1.66	13400	59200	4.5	3460	2750	170									2.5	0.934																			
12	5.39			7.4	7.6			9.1			114		10	126		6.0	1.60	13580	59200	4.6	3130	3060	180					1.46	80			1.6	10																			
13	4.83																1.61	13590	59200	4.5	3020	2520	180																						0.005	0.005						
14	5.00																2.21	16310	59200	6.4	2900	2330	160																													
15	6.26										129		6	154		9.0	3.19	10840	59200	6.5	3210	2700	190										0.2																			
16	9.38			7.4	7.4			9.0									3.01	12340	59200	6.0	3340	2810	200																													
17	8.23																2.92	13360	59200	6.0	3470	2910	190												2																	
18	7.32			7.3	7.6			10.3			99		8	105		8.0	2.91	10450	59200	5.5	3860	3160	200									0.5	0.568																			
19	6.90										84		8	131		9.0	3.09	10920	59200	5.1	3630	3130	200																													
20	6.00																3.25	10820	59200	4.9	3820	3210	200																													
21	6.76																3.22	12350	59200	4.8	3850	3270	200						1.504	75			6																			
22	13.29			7.3	7.4			10.2									4.04	15240	59200	5.1	2940	2500	150																													
23	15.54																4.74	14440	59200	8.6	2470	2100	140																													
24	14.62																4.82	13900	59200	7.7	2680	2230	160																													
25	18.02			7.1	7.2			9.8			135		13	74		4.0	4.50	14180	59200	7.2	3110	2870	240												0.64	0.405																
26	13.41			7.4	7.4			9.6			47		6	77		6.0	4.41	14690	59200	6.8	2840	2410	150												0.64	2																
27	11.10			7.1	7.0			9.7			130		16	77		7.0	4.55	12600	59200	6.6	4070	2710	160						2.105	65			0.22	7																		
28	10.06																4.36	12350	59200	6.3	4390	2820	200																													
29																																																				
30																																																				
31																																																				
Tot.	209.25																76.65																																			
Avg.	7.4731			7.4	7.4			9.5			172		10	125		8	2.738	13070	61057	5.425	3360	2758	183.9									1.525	74.5																			

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT  
71172  
FLOW

45889  
CBOD

51146  
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: 02/01/2018 00:00 thru 02/28/2018 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	MSD1062-LS	7804 DEEP TRAIL CT	DEEP TRAIL	HARRODS CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2868676		02/22/2018	CATALANO JR	CATALANO JR	BEYOND APPROVED DESIGN STORM	02/22/2018	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	03/04/18 12:00 PM	

**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 UNDERWATER
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP
Public Notification:	ROADS CLOSED AROUND THE AREA

**Notifications:**

2/22/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
2/22/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 02/01/2018 00:00 thru 02/28/2018 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	MSD1064-PS	8619 WESTOVER DR	WESTOVER	HARRODS CREEK	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2869163		02/23/2018	GOODWIN	SUTHERLAND	BEYOND APPROVED DESIGN STORM	02/23/2018	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	02/23/18 01:35 PM	

**Discharge Reporting:**

Discharge Amount:	950 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	CLEANUP NOT POSSIBLE DUE TO MAGNITUDE OF STORM
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND AROUND WET WELL
Repair:	A SOLUTION FOR THIS LOCATION CAN BE FOUND IN TEH IOAP
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA

**Notifications:**

2/23/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG'
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Report Selections: Period: 02/01/2018 00:00 thru 02/28/2018 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	2866584		02/19/2018	GOODWIN	BRAZEL	BEYOND APPROVED DESIGN STORM	02/19/2018	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	03/05/18 10:30 AM	

**Discharge Reporting:**

Discharge Amount:	9,999 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
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:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP
Public Notification:	ROADS CLOSED AROUND THE AREA

**Notifications:**

2/17/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
2/17/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 3

Total Work Orders Printed: 3