



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

January 21, 2020

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

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

There were no bypasses or exceedances.

Attached is overflow report.

Also attached is 4th 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. 12/19.

Cc: V. Teague
R. Shaw

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:	001-1A SANITARY WASTEWATER		

Report Dates & Status					
Monitoring Period:	From 12/01/19 to 12/31/19	DMR Due Date:	01/28/20	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	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	
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample					=	9.0					19 - mg/L	0	13/30 - 13 Per Month 03/07 - Three Per Week	GR - GRAB GR - GRAB	
					Permit Req.					>=	7.0 INST MIN					19 - mg/L				
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample					=	7.0			=	7.3	12 - SU	0	13/30 - 13 Per Month 03/07 - Three Per Week	GR - GRAB GR - GRAB	
					Permit Req.					>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU				
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	399.0	=	694.0	26 - lb/d			=	8.0	=	12.0	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS 24 - COMP24
					Permit Req.	<=	1502.0 MO AVG	<=	2253.0 MX WK AV	26 - lb/d			<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L			
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample							=	148.0	=	199.0	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS 24 - COMP24	
					Permit Req.															
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample							=	12.0	=	15.0	19 - mg/L	0	01/07 - Weekly 01/07 - Weekly	CP - COMPOS 24 - COMP24	
					Permit Req.															
					Value NODI															
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample							=	28.0	=	36.0	19 - mg/L	0	01/07 - Weekly 01/07 - Weekly	CP - COMPOS 24 - COMP24	
					Permit Req.															
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample							=	2.0	=	2.0	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS 24 - COMP24	
					Permit Req.															
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample							=	0.4	=	0.6	19 - mg/L	0	01/07 - Weekly 01/07 - Weekly	CP - COMPOS 24 - COMP24	
					Permit Req.															
					Value NODI															
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	2	--	Sample							=	3.77	=	6.07	19 - mg/L	0	01/07 - Weekly 01/07 - Weekly	CP - COMPOS 24 - COMP24	
					Permit Req.															
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	4.202	=	4.979	03 - MGD							0	99/99 - Continuous 99/99 - Continuous	CN - CONTIN RC - Recorder (auto)	
					Permit Req.															
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample							=	7.0	=	39.0	13 - #/100mL	0	03/07 - Three Per Week 03/07 - Three Per Week	GR - GRAB GR - GRAB	
					Permit Req.															
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	309.0	=	413.0	26 - lb/d			=	6.0	=	7.0	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS 24 - COMP24
					Permit Req.	<=	501.0 MO AVG	<=	751.0 MX WK AV	26 - lb/d			<=	10.0 MO AVG	<=	15.0 MX WK AV	19 - mg/L			
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample							=	125.0	=	144.0	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS 24 - COMP24	
					Permit Req.															
					Value NODI															
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample							=	95.0			23 - %	0	03/07 - Three Per Week 01/30 - Monthly	CA - CALCTD CA - CALCTD	
					Permit Req.															
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample							=	95.0			23 - %	0	03/07 - Three Per Week 01/30 - Monthly	CA - CALCTD 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
DischargeReport_HiteCreek_December2019.pdf	pdf	19382.0
HC122019_MOR.pdf	pdf	69175.0
HC122019_Coverletter.pdf	pdf	33363.0

Report Last Saved By

Hite Creek WQTC MSD

User: staci.huber@louisvillemsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemsd.org
Date/Time: 2020-01-21 10:07 (Time Zone: -05:00)

Report Last Signed By

User: staci.huber@louisvillemsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemsd.org
Date/Time: 2020-01-23 08:28 (Time Zone: -05:00)

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 10/01/19 to 12/31/19				DMR Due Date:	01/28/20				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	--											<	1.0	2G - tox chronic	0	01/90 - Quarterly	24 - COMP24
															<=	1.0 MAXIMUM	2G - tox chronic	0	01/90 - Quarterly	24 - COMP24
					Sample															
					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																				
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:	2020-01-21 10:07 (Time Zone: -05:00)																			
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User:	staci.huber@louisvillemsd.org																			
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Date/Time:	2020-01-23 08:28 (Time Zone: -05:00)																			



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
SMNSewer Main	117932-AG	5504 TIMBER CREEK CT		HARRODS CREEK	GROUND

<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>
: DISDW: DRY WEATHER DISCHARGE	3185089		12/11/2019	GOODWIN	BRAZEL	REPAIRED - ISSUE RESOLVED	11/25/2019	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE-WATERS	12/12/19 12:15 PM	

Discharge Reporting:

Discharge Amount:	600,000 GAL
Cause:	ADDITIONAL STRUCTURAL FAILURE OF FORCE MAIN AT CONSTRUCTION SITE/DISDW #3180984.
Clean Up:	EXISTING CONSTRUCTION AREA/DISDW #3180984.
Control Zone:	EXISTING CONSTRUCTION AREA/TEMPORARY SIGNS IN PLACE/DISDW #3180984.
Impact:	SEWAGE ON GROUND AND FLOWING TO HARRODS CREEK.
Repair:	FORCE MAIN REPAIR IN PROGRESS/DISDW #3180984.
Public Notification:	EXISTING CONSTRUCTION AREA/TEMPORARY SIGNS IN PLACE/DISDW #3180984.

Notifications:

12/11/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/11/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	117936	6618 DEL HAVEN AVE		HARRODS CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	3185202		12/11/2019	CATALANO JR	CATALANO JR			STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE-WATER	12/12/19 03:50 PM	

Discharge Reporting:

Discharge Amount:	300,000 GAL
Cause:	STRUCTURAL FAILURE FORCE MAIN BREAK.
Clean Up:	LIME AND STRAW WAS APPLIED.
Control Zone:	TEMPORARY SIGNS HAVE BEEN POSTED
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND ON THE GROUND
Repair:	MAC CONSTRUCTED A SETTLING POND TO PUMP INTO FOR TEMP STORAGE.
Public Notification:	MEDIA WAS NOTIFIED DUE TOO SIZE OF INCIDENT, INFORMATION WAS PLACED ON MSD WEBSITE.

Notifications:

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

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
SLSSewer Lift Station	MSD1215-PS	6596 KEN CARLA DR		HARRODS CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	3185106		12/11/2019	GOODWIN	BRAZEL	REPAIRED - ISSUE RESOLVED	12/11/2019	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE-WATERS	12/11/19 03:50 PM	

Discharge Reporting:

Discharge Amount:	150,000 GAL
Cause:	STRUCTURAL FAILURE OF FORCE MAIN AT CONSTRUCTION SITE/DISDW #3180984.
Clean Up:	CONTRACTOR TO CLEAN AND SANITIZE AFFECTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND AFFECTED AREA.
Impact:	SEWAGE ON GROUND AND FLOWING TO TEMPORARY SETTLING BASIN.
Repair:	FORCE MAIN REPAIR DISDW #3180984.
Public Notification:	PLACED TEMPORARY SIGNS AROUND AFFECTED AREA.

Notifications:

12/11/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/11/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 3

Total Work Orders Printed: 3

