



700 West Liberty Street | Louisville, KY 40203-1911
Phone: 502.540.6000 | LouisvilleMSD.org

March 25, 2021

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

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for February 2021.**

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Floyds Fork WQTC, for the month of February 2021.

There were no bypasses.

Attached is the overflow report

There were violations for weekly BOD concentration, weekly BOD pounds and monthly BOD concentration due to construction on the plant.

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

Sincerely,

Joseph Shaun Smith
Process Supervisor

JSS/ Hite Creek 02/21.

Cc: V. Teague
R. Shaw

80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample	=	92.0									23 - %		03/07 - Three Per Week CA - CALCTD			
					Permit Req.	>=	85.0 MO AV MN												23 - %	0	01/30 - Monthly CA - CALCTD
					Value NODI																
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	90.0									23 - %		03/07 - Three Per Week CA - CALCTD			
					Permit Req.	>=	85.0 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

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	Quantity or Loading Sample Value 1	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	Quantity or Loading Sample Value 2	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

Comments

Attachments

Name	Type	Size
HCMOR022021.XLS	xls	326144.0
Discharges.pdf	pdf	17468.0
HiteCreekCoverLetter0221.pdf	pdf	39185.0

Report Last Saved By

Hite Creek WQTC MSD

User: JOSEPH.SMITH@LOUISVILLEMSD.ORG
 Name: Joseph Smith
 E-Mail: joseph.smith@louisvillemmsd.org
 Date/Time: 2021-03-25 09:49 (Time Zone: -04:00)

Report Last Signed By

User: JOSEPH.SMITH@LOUISVILLEMSD.ORG
 Name: Joseph Smith
 E-Mail: joseph.smith@louisvillemmsd.org
 Date/Time: 2021-03-25 09:49 (Time Zone: -04:00)

NAME OF TREATMENT PLANT HITE CREEK WTP
 KPDES PERMIT NUMBER KY0022420

COUNTY JEFFERSON
 PLANT CAPACITY 4.4 MGD

MONTH OF: February 2021
 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	RETURN		WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L)	MLVSS (mg/L)	SETTLED SLUDGE VOLUME		RAW			HAULED			NH3-N (mg/L)	E Coli	Phosphorus mg/L	Total Nitrogen		
																		MGD/DAY	MLSS (mg/L)					MLSS GAL	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS					WITHDRAWN GALLONS X 1000	
1	6.088			7.2	7.3				9.0		156		11	74		4	4.152	11210	52000	4.8	4790	4210	350										0.27		0.818		
2	5.515			7.1	7.4				8.7		126		14	139		7	3.459	10840	120000	4.6	4840	4300	350										0.44	2			
3	4.867			7.4	7.2				8.9		122		13	128		7	2.145	14970	0	4.5	4750	4050	340										0.71	24			
4	4.896																2.041	14560	59240	4.7	5030	4320	300											46			
5	5.688																2.102	14490	48900	4.7	5660	4780	300														
6	5.077																2.169		69000	4.1			320														
7	4.22																2.216		35000	4.2			300														
8	4.258										150		8	134		3	2.173	14240	35000	4.2	5090	4390	340										0.2		0.517		
9	4.173			7.0	7.2				8.8		148		15	151		6	2.119	15110	63000	4.7	5560	4690	330										0.62	18			
10	4.073			7.1	7.3				9.0								2.069	14250	73000	4.7	5820	4950	390											111			
11	4.4										138		10	186		4	2.253	11290	78000	4.6	4940	4200	320										1.2				
12	4.441			7.4	7.6				9.5								2.306	12530	58000	4.8	3910	3360	350											6			
13	4.481																2.185		56500	4.6			350														
14	3.905																2.186		62500	4.8			340														
15	3.936																2.222	14990	62500	4.8	5490	4670	400														
16	3.851			7.1	7.3				9.0		110		15	116		5	2.196	13970	0	4.9	5710	4720	350										1.8		1.01		
17	4.06			7.2	7.2				8.9		66		12	129		5	2.22	14100	33009	4.8	5120	4510	350										1.2	207			
18	3.956			7.2	7.0				9.0		190		12	160		6	2.19	8930	53290	5	4490	4010	350										1.1	11			
19	3.848																2.125	9100	72200	4.9	4560	3910	350											436			
20	4.113																2.181		75000	4.9			350														
21	3.86																2.124		75000	4.6			400														
22	5.79			7.1	7.1				9.0		148		22	141		57	2.176	12210	61000	4.3	4910	4200	380										6.5		1.34		
23	5.843			7.0	7.2				8.8		127		20	101		16	2.121	15990	56000	4.2	4810	4080	320										6.2	1990			
24	5.256			7.0	7.0				8.7		107		5	122		3	2.559	16100	95400	2.6	5710	4890	360										0.73	130			
25	3.976																3.089	13710	65300	3.6	5310	4660	400											1			
26	5.06																4.34	9190	65300	3.7	5300	4510	400														
27	5.074																4.307		75200	3.8			450														
28	10.63																4.17		78700	4			350														
29																																					
30																																					
31																																					
Tot.	135.3																71.6																				
Avg.	4.833			7.2	7.2				8.9		132		13	132		10	2.557	13089	59930	4.432	5090	4371	353.2										1.75	37	0.92		

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 46032 FLOW
 31241 CBOD
 25402 TSS

Curtis E. Otto OPERATOR
 20265 CERT. NO.

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

502.540.6000 PLANT TELEPHONE



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	90776	7250 FLOYDSBURG RD		FLOYDS FORK	DITCH

<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>
: DISREV: RAIN EVENT DISCHARGE	3349812		02/28/2021	ROTTET JR	FLOWERS	QUEUED FOR REPAIR	02/28/2021	LACK OF SYSTEM	UNAUTHORIZED DISCHARGE-	03/01/21 03:00 AM	

Discharge Reporting:

Discharge Amount:	18,500 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	AREA DISINFECTED WITH LIME.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE FOUND AROUND MANHOLE.
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:

2/28/21 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/28/21 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 1

Total Work Orders Printed: 1