



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

August 3, 2021

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

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

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 July 2021.

Also attached is overflow report.

There were no bypasses or exceedances.

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. 07/21.

Cc: V. Teague
R. Shaw

80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample	=	98.0						23 - %	01/30 - Monthly	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	=	98.0						23 - %	01/30 - Monthly	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

No errors.

Comments

Attachments

Name	Type	Size
07_July_Discharge_Report_All_Services_FIN.pdf	pdf	21227.0
HCMOR0721.pdf	pdf	149191.0
HCCoverletter0721.pdf	pdf	34703.0

Report Last Saved By

Hite Creek WQTC MSD

User: staci.huber@louisvillemsd.org
 Name: Staci Huber
 E-Mail: staci.huber@louisvillemsd.org
 Date/Time: 2021-08-20 13:58 (Time Zone: -04:00)

Report Last Signed By

User: staci.huber@louisvillemsd.org
 Name: Staci Huber
 E-Mail: staci.huber@louisvillemsd.org
 Date/Time: 2021-08-20 13:59 (Time Zone: -04:00)

NAME OF TREATMENT PLANT HITE CREEK WTP COUNTY JEFFERSON MONTH OF: July 2021
 KPDES PERMIT NUMBER KY0022420 PLANT CAPACITY 4.4 MGD RECEIVING STREAM HITE CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		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	RETURN		WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	SETTLED SLUDGE VOLUME	30 MIN.	60 MIN.	RAW			HAULED			NH3-N (mg/L)	E Coli	Phosphorus mg/L	Total Nitrogen
																		GAL/DAY x 1000	MLSS x 1000								MLVSS x 1000	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS				
1	4.05			7.2	7.3				9.4		164	7	124			5	1.926	9220	87100	2.5	4260	3290	260										0.2		0.3	
2	3.74																2.266	8220	77500	5.1	3990	3160	280										5			
3	3.50																2.233		88000	4.7			280													
4	2.85																2.153		93400	6.1																
5	2.93			7.1	7.3				9.3		248	5	163			3	2.131	8210	80900	4	4380	3420	250										0.21		17.7	
6	3.31			7.2	7.6				9.1		576	5	176			3	2.131	9530	82800	3	4360	3520	260										0.2	2		
7	3.45																2.136	9800	80200	3.2	4060	3250	240										1			
8	3.74			7.1	7.3				9.0		380	5	158			2	2.186	8450	87500	2.4	4200	3340	240										0.31		0.3	
9	3.68																2.142	10970	94000	2	4040	3230	240										4			
10	3.96																2.194		80700	3			250													
11	5.77			7.3	7.6				9.2		158	9	266			7	2.167	11360	100300	2.9	4240	3380	220										0.2		13.2	
12	4.76			7.2	7.5				9.0		92	6	87			2	2.144	12410	86600	3	3980	3150	200										0.2	3		
13	3.79																2.242	11210	0	3.7	4100	3390	200										1			
14	4.21																2.242	10410	77600	6.9	4000	3130	200													
15	3.43			7.1	7.4				9.0		182	6	129			2	2.716	8470	77500	5.8	4880	3870	200										0.2		0.32	
16	2.68																2.404	7360	79500	3.9	3050	2400	200										1			
17	4.93																3.955		127800	4			200													
18	4.07			6.8	7.0				9.0		246	5	101			2	4.071	6450	0	3.5	4640	3650	180										0.25		12.3	
19	4.51			7.0	7.2				9.3		262	6	121			3	3.004	7950	97000	1.2	3790	3210	200										0.49	2		
20	3.72																2.036	8470	62700	4.3	3840	3340	210										1			
21	3.57																2.013	9170	89800	4.2	4020	3260	210													
22	3.51			6.7	7.0				9.3		316	3	173			2	2.005	8660	69700	4.4	3640	3060	200										0.36		0.628	
23	3.57																2.006	8910	73100	3.3	3710	3190	200										31			
24	3.29																2.029		65200	2.1			200													
25	3.17			7.0	7.1				9.3		151	4	154			3	2.001	7590	66300	3	5080	3950	200										0.27		18.3	
26	3.31			7.1	7.2				9.0		284	3	174			2	2.107	8060	78000	2.3	4860	3790	200										0.29	1		
27	3.25																2.113	7680	76500	2.8	4220	3540	210										1			
28	3.37																2.16	6640	73800	2.8	3510	2920	180													
29	3.36																2.187	5520	72000	2.3	3310	2640	180													
30	3.57																2.222	5680	59900	2.1	3750	3220	180													
31	3.31																2.164		61800	2.7			180													
Tot.	114																71																			
Avg.	3.689			7.1	7.3				9.2		255	5	152			3	2.306	8656.8	75716.1	3.458	4076	3292	215										0.27	2	0.39	15.375

RESIDENTIAL 35130 INDUSTRIAL WASTE POPULATION EQUIVALENT 27536 37343
 COMMERCIAL FLOW CBOD TSS
 INDUSTRIAL OPERATOR Curt Otto CERT. NO. 101151

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	NA

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>
: DISREV: RAIN EVENT DISCHARGE	3398324		07/11/2021	BRAZEL	GOODWIN	REPAIRED - ISSUE RESOLVED	07/11/2021	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE- WATERS	07/11/21 04:50 PM	

Discharge Reporting:

Discharge Amount:	33,750 GAL
Cause:	FAILURE OF VALVE ON FORCE MAIN.
Clean Up:	MSD STAFF SPREAD LIME ON IMPACTED AREA.CONTRACTOR TO CLEAN AREA FOLLOWING REPAIRS.
Control Zone:	TEMPORARY SIGNS PLACED AROUND IMPACTED AREA.
Impact:	SEWAGE ON GROUND.
Repair:	MSD CONTRACTOR WILL REPAIR LEAKING VALVE.
Public Notification:	TEMPORARY SIGNS PLACED AROUND IMPACTED AREA.

Notifications:

7/12/21 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
7/12/21 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0078956	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	NA

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPLSewer Treatment Plant	MSD0277	11621 LOWER RIVER RD		OHIO RIVER	STREAM

<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	3398293		07/11/2021	ROY	ROY	REPAIRED - ISSUE RESOLVED	07/11/2021	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATERS	07/20/21 10:02 AM	

Discharge Reporting:

Discharge Amount:	500,000 GAL
Cause:	PLANT NOT SET UP TO HANDLE RAIN EVENT.
Clean Up:	LIME TO BE SPREAD ON GROUND AFTER RAIN STOPS.
Control Zone:	CAUTION TAPE AREA.
Impact:	SOLIDS ON GROUND AROUND CLARIFIERS 1 TO 6.
Repair:	4 CLARIFIERS AND 1 CONTACT CHANNEL ADDED TO SERVICE.
Public Notification:	N/A

Notifications:

7/11/21 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
7/11/21 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 2

Total Work Orders Printed: 2