



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

June 10, 2022

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

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for May 2022.**

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 May 2022.

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. 5/22.

Cc: V. Teague
K. Robinson
M. Saylor

80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample	=	99.0						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
OverflowReport.pdf	pdf	59503.0
HCMOR.pdf	pdf	143834.0
CoverletterHC.pdf	pdf	38497.0

Report Last Saved By

Hite Creek WQTC MSD

User: kevin.thompson@louisvillemmsd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemmsd.org
 Date/Time: 2022-06-14 12:06 (Time Zone: -04:00)

Report Last Signed By

User: staci.huber@louisvillemmsd.org
 Name: Staci Huber
 E-Mail: staci.huber@louisvillemmsd.org
 Date/Time: 2022-06-14 12:26 (Time Zone: -04:00)

NAME OF TREATMENT PLANT HITE CREEK WTP COUNTY JEFFERSON MONTH OF: May 2022
 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	Gallons	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	RETENTION TIME	30 MIN.	60 MIN.	RAW		HAULED		NH3-N (mg/L)	E Coli	Phosphorus mg/L	Total Nitrogen			
																											% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS							
1	3.566			7.4	7.5			9.3			120		7	184		6	2.625				4800	4070	550										0.25		0.366	15.7	
2	3.614			7.6	7.5			9.6			174		3	223		2	2.646				4800	4070	550										0.2	10			
3	3.99			7.5	7.5			9.5			98		3	170		2	2.757				4980	4190	450										0.2	6			
4	3.08																	3.07	80000	4.7	4880			420										7			
5	3.56																5.33	8610	76000	4.5	4880	4060	450														
6	4.096																5.255	7270	73000	5	4840	4120	400														
7	3.86																5.201		76500	4.7			400														
8	3.49			7.1	7.4						208		3	191		2	5.202	8680	85000	4.7			600									0.25		0.431	10.8		
9	3.864			7.9	7.8			9.1			138		3	176		4	4.669	8220	77000	4.5	4980	4150	640									0.39	1				
10	3.808			7.9	7.6			9.0			226		17	177		6	4.035		83000	4.3	6790	5770	680									0.33	276				
11	3.879																4.572		75000	4.5	6310	4430	630											35			
12	4.69																4.691	6030	85000	4.6	4800	4090	530														
13	4.78																4.78	6060	62000	4.6	5300	4340	650														
14	3.7																4.72	5960	61000	4.4			625														
15	3.352			7.5	7.5						218		3	405		3	4.75	7140	93000	5.3			680										0.44		0.705	11.3	
16	3.705			7.4	7.8			9.1			300		3	247		2	4.676	7270	83000	3.7	4970	4090	580									0.4	1				
17	3.615			7.4	7.6			9.0			152		3	193		2	4.634		80000	4.5	5020	4150	620									0.33	1				
18	3.052																4.651		85000	4.6	5540	4590	440											2			
19	3.161																4.746	6860	90000	4.6	5840	4800	400														
20	3.876																3.897	7420	88000	4.3	4610	3760	400														
21	3.837																2.489	7550	87000	4.2			400														
22	3.437			7.6	7.5			9.0			196		5	210		4	2.432	6740	91500	4.6			370										0.28		0.3	14.9	
23	3.94			7.6	7.8			9.0			268		5	262		3	2.36	5040	85600	4.7	4900	3950	410									0.36	2				
24	3.92			7.3	7.6			9.0			374		5	258		3	2.34		74000	3.8	4760	3910	360									0.25	1				
25	4.4																2.42		74000	4.6	4640	3900	320											5			
26	4.4																3.13	5990	82000	4.8	4500	4170	290														
27	5.324																3.41	5770	85000	4.4			280														
28	3.83																2.366	9790	82000	4.2			270														
29	3.18																2.33	10520	70000	4.2	4770	3860	270														
30	3.48																2.345	8000	79000	4.8	5170	4300	280														
31	4.1																2.4		83000	4.8			280														
Tot.	118.6																114.9		85000	4.7														0.31	5	0.45	13.175000
Avg.	3.825			7.5	7.6			9.1			206		5	225		3	3.707	2690	73000	4.6	5109	4235	457.6														

RESIDENTIAL COMMERCIAL INDUSTRIAL INDUSTRIAL WASTE POPULATION EQUIVALENT
 FLOW 36432 CBOD 42163 TSS 31296 OPERATOR Scott Reed CERT. NO. 25712

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
SSL Sewer Service Line	P4751	4301 MURPHY LN	HITE CREEK	HITE CREEK	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	3508221		05/04/2022	OWENS	OWENS	REPAIRED - ISSUE RESOLVED	05/04/2022	GREASE BLOCKAGE	UNAUTHORIZED DISCHARGE- WATERS	05/04/22 02:00 PM	LAT

Discharge Reporting:

Discharge Amount:	5 GAL
Cause:	GREASE BLOCKAGE ON MSD'S PORTION OF SERVICE CONNECTION.
Clean Up:	DISCLN WO #3508226.
Control Zone:	PLACED TEMPORARY SIGNS AROUND IMPACTED AREA.
Impact:	SEWAGE/ DEBRIS/SOLDS FOUND ON GROUND.
Repair:	FLUSHED CONNECTION TO RESTORE FLOW WO #3509681.
Public Notification:	ADVISED BY PHONE.

Notifications:

5/5/22 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
----------------	--------	---

Total Facilities Printed: 4

Total Work Orders Printed: 6