



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

October 12, 2021

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

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

Also attached is 3rd quarter biomonitoring.

There were no bypasses, overflows 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. 09/21.

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
HCMOR092021.pdf	pdf	131703.0
HCCoverletter.pdf	pdf	34422.0

Report Last Saved By

Hite Creek WQTC MSD

User: staci.huber@louisvillemmsd.org
 Name: Staci Huber
 E-Mail: staci.huber@louisvillemmsd.org
 Date/Time: 2021-10-12 12:20 (Time Zone: -04:00)

Report Last Signed By

User: staci.huber@louisvillemmsd.org
 Name: Staci Huber
 E-Mail: staci.huber@louisvillemmsd.org
 Date/Time: 2021-10-13 08:08 (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:				001-2A QUARTERLY BIOMONITORING												
Report Dates & Status																					
Monitoring Period:		From 07/01/21 to 09/30/21			DMR Due Date:				10/28/21				Status:		NetDMR Validated						
Considerations for Form Completion																					
Principal Executive Officer																					
First Name:		James			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	--	Sample Permit Req.											<	1.0	2G - tox chronic	0	01/90 - Quarterly	24 - COMP24
					Value NODI											<=	1.0 MAXIMUM	2G - tox chronic		01/90 - Quarterly	24 - COMP24
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.																					
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Hite Creek WQTC MSD																					
User:		staci.huber@louisvillemsd.org																			
Name:		Staci Huber																			
E-Mail:		staci.huber@louisvillemsd.org																			
Date/Time:		2021-10-12 08:51 (Time Zone: -04:00)																			
Report Last Signed By																					
User:		staci.huber@louisvillemsd.org																			
Name:		Staci Huber																			
E-Mail:		staci.huber@louisvillemsd.org																			
Date/Time:		2021-10-13 08:09 (Time Zone: -04:00)																			

NAME OF TREATMENT PLANT HITE CREEK WTP COUNTY JEFFERSON MONTH OF: September 2021
 KPDES PERMIT NUMBER KY0022420 PLANT CAPACITY 9 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	GAL/DAY X 1000	MLSS X 1000	MLVSS X 1000	WAST. D	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			
																									30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000							
1	6.153			7.0	7.3			8.8		147		4	127			3	2.455	5360	73200	2.9	4180	3490	220												0.2		0.3	11	
2	4.335			7.0						306		3	143			2	2.119	7700	68200	2.9	4290	3510	210												0.2	3			
3	3.772			7.0												2	2.153	9750	80420	2.2	4010	3400	220												1				
4	3.589																2.175	8000	79500	2.2	3630	3140	240																
5	5.317																2.787	8230	79100	2.6	3840	3200	220																
6	5.929			7.0	7.2			9.0		115		3	85			2	2.063	8190	86000	2.4	3570	2110	220												0.2				
7	4.201																2.27	7120	76500	3.1	4370	3640	220												1				
8	4.046			7.0	7.2			8.9		192		3	129			4	2.282	8480	64500	2	4230	3690	220												0.2		0.3	14.7	
9	3.868			7.0	7.3			9.2		230		3	160			2	2.244	10070	70400	2.4	4190	3520	220												0.2	1			
10	3.579																2.223	7470	81000	2.6	5200	4350	210												1				
11	3.658																2.253	9970	68100	2.5	5340	4340	210																
12	3.444			7.1	7.2			9.0		352		3	157			2	2.249	5770	71500	3.3	4840	3440	210												0.21				
13	3.538																2.26	7660	58500	2	3960	3380	220												1				
14	3.532																2.237	10560	57000	2.2	4050	2640	220																
15	3.512			7.0	7.1			9.0		140		3	112			2	2.176	10210	83000	2.5	4210	3100	220													0.2		0.404	17.9
16	3.37			7.1	7.2			9.2		232		3	145			2	2.185	9750	66000	2.8	4090	3010	220												0.2	5			
17	3.463																2.207	8990	79000	2.6	4320	3800	220													1			
18	3.374																2.222		69000	2.3			240																
19	3.234			7.1	7.3			9.3		196		6	103			2	2.203	9980	63000	2.6	3910	3020	220												0.29				
20	5.214																2.926	8640	63900	2.6	4160	3490	220													2			
21	5.432																3.945	10780	62900	2.7	3240	2630	200																
22	7.482			7.2	7.4			8.9		96		4	75			2	4.36	9480	68900	2.3	3810	3080	210												0.2		0.3	9.68	
23	6.373			7.0	7.3			9.1		148		3	70			3	4.34	9070	68000	2.4	4060	3330	210													0.2	1		
24	5.088																4.33	8890	83700	2.2	3910	3100	220													1			
25	4.245			7.2	7.4			9.3									4.133		0	2.7			180																
26	3.974									168		3	113			2	4.343		71200	2.5			190													0.2			
27	4.019																3.662	9000	66250	2.5	3710	3020	200												1				
28	4.397																2.25	9670	45000	2.4	3910	3290	200																
29	3.575																2.23	9010	70000	2.6	4110	3390	200																
30	3.575																2.195	10210	82000	2.4	4390	3400	200																
Tot.	129.1																61.5																						
Avg.	4.304			7.1	7.3			9.1		194		3	118			2	2.717	8822	69456	2.513	4123	3314	213.7												0.21	1	0.33	13.320	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
40986 FLOW 24968 CBOD 33071 TSS

Curt Otto OPERATOR 20265 CERT. NO.

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

502-540-8000
PLANT TELEPHONE