



Safe, clean waterways.

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

January 18, 2021

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

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

Also attached is the 4th 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. 12/21.

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
HCMOR122021.pdf	pdf	131291.0
HCCoverletter122021.pdf	pdf	36755.0

Report Last Saved By

Hite Creek WQTC MSD

User: kevin.thompson@louisvillemsd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemsd.org
 Date/Time: 2022-01-19 09:40 (Time Zone: -05:00)

Report Last Signed By

User: staci.huber@louisvillemsd.org
 Name: Staci Huber
 E-Mail: staci.huber@louisvillemsd.org
 Date/Time: 2022-01-19 11:11 (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-P PRETREATMENT		

Report Dates & Status					
Monitoring Period:	From 01/01/21 to 12/31/21	DMR Due Date:	01/28/22	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			
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample						<	5.0	<	5.0	19 - mg/L	01/YR - Annual	GR - GRAB	
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI													
00556	Oil & Grease	G - Raw Sewage Influent	0	--	Sample						=	9.0	=	9.0	19 - mg/L	01/YR - Annual	GR - GRAB	
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI													
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample						=	0.439	=	0.439	19 - mg/L	01/YR - Annual	24 - COMP24	
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI													
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	--	Sample						=	5.13	=	5.13	19 - mg/L	01/YR - Annual	24 - COMP24	
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI													
00722	Cyanide, free [amen. to chlorination]	1 - Effluent Gross	0	--	Sample						<	0.005	<	0.005	19 - mg/L	01/YR - Annual	GR - GRAB	
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI													
00722	Cyanide, free [amen. to chlorination]	G - Raw Sewage Influent	0	--	Sample						<	0.02	<	0.02	19 - mg/L	01/YR - Annual	GR - GRAB	
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI													
00940	Chloride [as Cl]	1 - Effluent Gross	0	--	Sample						=	98.6	=	98.6	19 - mg/L	01/YR - Annual	24 - COMP24	
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI													
00940	Chloride [as Cl]	G - Raw Sewage Influent	0	--	Sample						=	100.0	=	100.0	19 - mg/L	01/YR - Annual	24 - COMP24	
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI													
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05	<	0.05	19 - mg/L	01/YR - Annual	24 - COMP24	
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI													
00978	Arsenic, total recoverable	G - Raw Sewage Influent	0	--	Sample						<	0.05	<	0.05	19 - mg/L	01/YR - Annual	24 - COMP24	
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI													
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.3	<	0.3	19 - mg/L	01/YR - Annual	24 - COMP24	
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI													
00980	Iron, total recoverable	G - Raw Sewage Influent	0	--	Sample						=	0.8	=	0.8	19 - mg/L	01/YR - Annual	24 - COMP24	
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI													
00981	Selenium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05	<	0.05	19 - mg/L	01/YR - Annual	24 - COMP24	
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI													

00981	Selenium, total recoverable	G - Raw Sewage Influent	0	--	Sample	<	0.0025	<	0.0025	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI							
01074	Nickel, total recoverable	1 - Effluent Gross	0	--	Sample	<	0.05	<	0.05	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI							
01074	Nickel, total recoverable	G - Raw Sewage Influent	0	--	Sample	<	0.05	<	0.05	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI							
01079	Silver total recoverable	1 - Effluent Gross	0	--	Sample	<	0.004	<	0.004	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI							
01079	Silver total recoverable	G - Raw Sewage Influent	0	--	Sample	=	0.004	=	0.004	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI							
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample	=	0.06	=	0.06	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI							
01094	Zinc, total recoverable	G - Raw Sewage Influent	0	--	Sample	=	0.089	=	0.089	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI							
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample	<	0.0025	<	0.0025	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI							
01113	Cadmium, total recoverable	G - Raw Sewage Influent	0	--	Sample	<	0.0025	<	0.0025	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI							
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample	<	0.05	<	0.05	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI							
01114	Lead, total recoverable	G - Raw Sewage Influent	0	--	Sample	<	0.05	<	0.05	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI							
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample	<	0.01	<	0.01	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI							
01118	Chromium, total recoverable	G - Raw Sewage Influent	0	--	Sample	=	0.01	=	0.01	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI							
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample	<	0.01	<	0.01	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI							
01119	Copper, total recoverable	G - Raw Sewage Influent	0	--	Sample	=	0.033	=	0.033	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI							
34043	Phenolics, total	1 - Effluent Gross	0	--	Sample	<	0.02	<	0.02	19 - mg/L	01/YR - Annual	GR - GRAB
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	GR - GRAB
					Value NODI							
34043	Phenolics, total	G - Raw Sewage Influent	0	--	Sample	<	0.06	<	0.06	19 - mg/L	01/YR - Annual	GR - GRAB
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	GR - GRAB
					Value NODI							
71901	Mercury, total recoverable	1 - Effluent Gross	0	--	Sample	=	0.0022	=	0.0022	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI							
71901	Mercury, total recoverable	G - Raw Sewage Influent	0	--	Sample	=	0.141	=	0.141	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI							
78247	Chromium, hexavalent tot recoverable	1 - Effluent Gross	0	--	Sample	<	0.01	<	0.01	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI							

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 10/01/21 to 12/31/21			DMR Due Date:				01/28/22				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. Value NODI										<	1.0	2G - tox chronic	0	01/90 - Quarterly	24 - COMP24
															<=	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.																				
Report Last Saved By																				
Hite Creek WQTC MSD																				
User:		staci.huber@louisvillemsd.org																		
Name:		Staci Huber																		
E-Mail:		staci.huber@louisvillemsd.org																		
Date/Time:		2021-12-28 11:55 (Time Zone: -05:00)																		
Report Last Signed By																				
User:		staci.huber@louisvillemsd.org																		
Name:		Staci Huber																		
E-Mail:		staci.huber@louisvillemsd.org																		
Date/Time:		2022-01-19 11:11 (Time Zone: -05:00)																		

NAME OF TREATMENT PLANT HITE CREEK WTP
 KPDES PERMIT NUMBER KY0022420

COUNTY JEFFERSON
 PLANT CAPACITY 4.4 MGD

MONTH OF: December 2021
 RECEIVING STREAM HITE CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH			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	WASTE P Gallons	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	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	3.66			7.2	7.2				9.0		326		4	148		2	2.34	11220	85000	2.1	4800	4050	360									0.2		0.3	17.1
2	3.71			7.5	7.3				9.2		256		3	156		2	2.29	9010	72500	2.4	4900	4110	330									0.2	1		
3	3.61																2.42	9960	72500	2.6	4870	4010	340												
4	3.62																2.32	11820	68000	2.9			340												
5	3.39			7.4	7.6				9.0		56		3	90		3	2.39		66000	2.5	5700	4710	320									0.2			
6	5.60																2.42	14120	66000	2.3	5400	4520	330										1		
7	4.80			7.2													2.41	14260	72000	2.2	4980	4150	330												
8	4.13			7.2	7.2				9.0		132		7	139		3	2.40	11840	72000	2.4	4980	4200	330									0.2		0.3	13.5
9	3.30			7.4	7.5				9.0		162		3	159		2	2.20	12140	70000	2.7	4710	3910	350									0.2	1		
10	4.40																2.33	11570	77000	2.4	4740	3880	340										1		
11	5.70																3.50	15870	70000	2.3	4020	3450	280												
12	5.20			7.3	7.4				9.0		128		5	120		2	4.90	7940	65000	2.8	6390	5310	250									0.2			
13	5.06																3.63	8070	65000	2.7	4970	4140	330										6		
14	4.40																2.40	10240	65000	2.5	4830	4080	320												
15	4.20			7.3	7.4				9.0		192		3	160		4	2.37	11050	70000	2.9	4350	4110	300									0.2		0.3	14.7
16	3.40			7.5	7.5				9.0		72		3	101		3	2.56	9930	69000	2.6	4840	3980	340									0.2	15		
17	4.03																2.55	13990	60000	2.1	7290	6010	160										1		
18	5.47																3.01		60000	2.8			200												
19	4.76				7.4				9.2		224		3	159		3	2.60		61000	2.5			340									0.2			
20	4.39																2.45	16100	60000	2.1	5110	4270	300										1		
21	4.17																2.49	14360	67000	1.7	4700	3890	310												
22	4.80			7.3	7.4				9.0		264		3	149		3	2.52	8030	61000	2.6	4770	4060	340									0.2			
23	3.90																2.33	14240	66000	2.7	4660	3860	340										1		
24	3.90																2.49	12560	75000	2.0	4720	3950	350												
25	3.31																2.44	10970	65000	2.4	5870	5130	430												
26	3.27			7.4	7.3				9.1		222		4	164		3	2.34	10000	65000	2.5	5910	4960	400									0.47		0.328	15.3
27	3.38			7.4	7.5				9.0		250		3	160		3	2.33	10940	65000	1.8	5390	4460	390									0.49	1		
28	3.42																2.31	10390	69000	2.5	5490	4610	450										1		
29	5.56																2.41	13200	69000	2.7	4830	4010	370												
30	4.58																2.41	12990	106000	3.1	5680	4780	370												
31	4.14																2.36	12260	65000	2.5	5860	4890	390												
Tot.	131.3																79.91																		
Avg.	4.234			7.3	7.4				9.0		190		4	142		3	2.578	11752.5	69000	2.461	5170	4338.93	333.2									0.25	1	0.31	15.150000

RESIDENTIAL COMMERCIAL INDUSTRIAL
 40326 FLOW 29514 CBOD 32006 TSS

Curtis E Otto OPERATOR 202645 CERT. NO.

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

502-540-6000 PLANT TELEPHONE