



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

June 12, 2018

Cheryl Edwards  
300 Sower Blvd., 3rd Floor  
Frankfort, Kentucky 40601

**RE: Hite Creek WQTC, KPDES No: KY0022420  
Discharge Monitoring Report for May 2018.**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Hite Creek WQTC, for the month of May 2018.

There were no overflows, 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. 05/18.

Cc: V. Teague  
R. Shaw

DMR Copy of Record

<b>Permit</b>			
Permit #:	KY0022420	Permittee:	Hite Creek WQTC MSD
Major:	Yes	Permittee Address:	700 W Liberty St Louisville, KY 40203
Permitted Feature:	001 External Outfall	Discharge:	001-1A SANITARY WASTEWATER
Facility:		Facility Location:	HITE CREEK WQTC MSD 5512 HITT LN LOUISVILLE, KY 40285

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 05/01/18 to 05/31/18	DMR Due Date:	06/28/18
Status:	NetDMR Validated		

**Considerations for Form Completion**  
 Parameter 00610 - Use Season 1 for summer months (May, June, July, August, September, and October) and Season 2 for winter months (November, December, January, February March, and April); enter NODI=9 for the Season not needed.

<b>Principal Executive Officer</b>			
First Name:	James A	Title:	Executive Director
Last Name:	Parrott	Telephone:	502-540-6000

**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	
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						=	9					19 - mg/L	03/07 - Three Per Week	GR - GRAB	
					Permit Req.					>=	7 INST MIN						19 - mg/L	03/07 - Three Per Week	GR - GRAB	
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.3			=	7.6	12 - SU	03/07 - Three Per Week	GR - GRAB	
					Permit Req.					>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU	03/07 - Three Per Week	GR - GRAB		
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	188	=	298	26 - lb/d			=	5	=	8	19 - mg/L	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.	<=	1502 MO AVG	<=	2253 MX WK AV	26 - lb/d			<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	03/07 - Three Per Week	24 - COMP24	
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample							=	149	=	208	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.															
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample							=	19	=	21	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.															
					Value NODI															
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample							=	31	=	38	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.															
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample							=	0.3	=	0.4	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.															
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample							=	0.4	=	0.6	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.															
					Value NODI															
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	1	--	Sample							=	5.7	=	6.7	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.															
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	4.468	=	5.154	03 - MGD								99/99 - Continuous	CN - CONTIN	
					Permit Req.															
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample							=	3	=	7	13 - #/100mL	03/07 - Three Per Week	GR - GRAB		
					Permit Req.															
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	153	=	289	26 - lb/d			=	4	=	8	19 - mg/L	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.	<=	501 MO AVG	<=	751 MX WK AV	26 - lb/d			<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L	03/07 - Three Per Week	24 - COMP24	
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample							=	208	=	264	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.															
					Value NODI															
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample							=	98			23 - %	01/30 - Monthly	CA - CALCTD		
					Permit Req.															
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample							=	97			23 - %	01/30 - Monthly	CA - CALCTD		
					Permit Req.															
					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
HC_Coverletter_052018.pdf	pdf	53073
HC_MOR_052018.pdf	pdf	66804

**Report Last Saved By**

**Hite Creek WQTC MSD**

User: staci.huber@louisvillemsd.org  
Name: Staci Huber  
E-Mail: staci.huber@louisvillemsd.org  
Date/Time: 2018-06-13 08:40 (Time Zone: -04:00)

**Report Last Signed By**

User: staci.huber@louisvillemsd.org  
Name: Staci Huber  
E-Mail: staci.huber@louisvillemsd.org  
Date/Time: 2018-06-13 08:48 (Time Zone: -04:00)



51040	E. coli	1 - Effluent Gross	0	--	Req.							<=	130 30DA GEO	<=	240 7 DA GEO	#/100mL	Week	GR - GRAB
					Value NODI								E - Analysis Not Conducted/No Sample		E - Analysis Not Conducted/No Sample			
					Sample													
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Permit Req.	<=	751 MO AVG	<=	1127 MX WK AV	26 - lb/d		<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L	03/07 - Three Per Week	24 - COMP24
					Value NODI		E - Analysis Not Conducted/No Sample		E - Analysis Not Conducted/No Sample				E - Analysis Not Conducted/No Sample		E - Analysis Not Conducted/No Sample			
					Sample													
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Permit Req.								Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	03/07 - Three Per Week	24 - COMP24
					Value NODI								E - Analysis Not Conducted/No Sample		E - Analysis Not Conducted/No Sample			
					Sample													
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Permit Req.						>=	85 MO AV MN				23 - %	01/30 - Monthly	CA - CALCTD
					Value NODI								E - Analysis Not Conducted/No Sample					
					Sample													
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Permit Req.						>=	85 MO AV MN				23 - %	01/30 - Monthly	CA - CALCTD
					Value NODI								E - Analysis Not Conducted/No Sample					

#### **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: WRIGHTDUANE  
Name: Duane Wright  
E-Mail: duane.wright@louisvillemmsd.org  
Date/Time: 2018-06-13 08:35 (Time Zone: -04:00)

#### **Report Last Signed By**

User: staci.huber@louisvillemmsd.org  
Name: Staci Huber  
E-Mail: staci.huber@louisvillemmsd.org  
Date/Time: 2018-06-13 08:49 (Time Zone: -04:00)



51040	E. coli	1 - Effluent Gross	0	--	Req.													<=	130 30DA GEO	<=	240 7 DA GEO	#/100mL	Week	GR - GRAB	
					Value														E - Analysis Not Conducted/No Sample		E - Analysis Not Conducted/No Sample				
					Sample																				
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Permit Req.	<=	751 MO AVG	<=	1127 MX WK AV	26 - lb/d								<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L	03/07 - Three Per Week	24 - COMP24	
					Value		E - Analysis Not Conducted/No Sample		E - Analysis Not Conducted/No Sample										E - Analysis Not Conducted/No Sample		E - Analysis Not Conducted/No Sample				
					Sample																				
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Permit Req.														Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	03/07 - Three Per Week	24 - COMP24	
					Value														E - Analysis Not Conducted/No Sample		E - Analysis Not Conducted/No Sample				
					Sample																				
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Permit Req.														>=	85 MO AV MN			23 - %	01/30 - Monthly	CA - CALCTD
					Value														E - Analysis Not Conducted/No Sample						
					Sample																				
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Permit Req.														>=	85 MO AV MN			23 - %	01/30 - Monthly	CA - CALCTD
					Value														E - Analysis Not Conducted/No Sample						

**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@louisvillemmsd.org  
 Name: Staci Huber  
 E-Mail: staci.huber@louisvillemmsd.org  
 Date/Time: 2018-06-06 14:03 (Time Zone: -04:00)

**Report Last Signed By**

User: staci.huber@louisvillemmsd.org  
 Name: Staci Huber  
 E-Mail: staci.huber@louisvillemmsd.org  
 Date/Time: 2018-06-06 14:10 (Time Zone: -04:00)

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	MG/DAY	MLSS (mg/L)	MLSS GAL. WAST. ED.	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L)	MLVSS (mg/L)	SETTLED SLUDGE VOLUME	RAW			HAULED			NH3-N (mg/L)	ECOLI	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	3.70				7.3				9.7		178		4	204		2	3.09	12810	65900	3.5	5360	4440	440									0.2						
2	3.75			7.2	7.3				9.9		160		10	206		4	2.2	11270	65900	3.7	5040	4050	400									0.2		0.382	17.73			
3	3.51			7.3	7.5				9.8		120		9	211		4	2.15	14790	65900	4.1	4650	3720	370										0.2					
4	3.74			7.2													3.07	12100	65900	3.9	5090	4100	350															
5	4.43																2.84	12220	65900	4	4990	4010	350															
6	5.00																2.64	13710	65900	3.9	5120	3990	320															
7	4.14																2.82	13310	65900	3.7	4360	3310	350															
8	3.75			7.3	7.5				8.5		54		3	139		4	2.802	11020	65900	4.8	5020	3900	320											0.2			16.83	
9	3.62			6.9	7.3				8.9		125		4	141		2	2.79	12370	65900	4.6	5140	3950	340											0.2		0.3		
10	3.42			6.9	7.3				9.2		52		3	130		2	3.166	13400	65900	4.9	5080	3910	340											0.2				
11	3.38																3.118	12010	65900	4.7	5190	4000	350															
12	3.02																3.136	12970	65900	4.6	4970	3920	340															
13	2.93																3.066	10360	65900	4.4	5500	4270	350															
14	3.00																3.151	11100	65900	4.5	5210	4100	350															
15	2.96			7.3	7.3				8.9		70		3	202		2	3.304	10950	65900	4.7	4590	3470	350											0.39			19.91	
16	3.15			7.0	7.3				9.1		236		3	218		2	3.312	10170	65900	4.6	4940	3800	310												0.51		0.3	
17	3.06			7.2	7.5				8.9		174		3	258		4	3.344	9350	65900	4.4	5160	3920	310											0.2				
18	3.45																3.31	8450	105000	4.5	5600	4360	310															
19	3.17																3.17	9950	105000	4.7	4770	4290	320															
20	3.02																3.02	12210	65900	4.4	5190	4370	350															
21	3.23																3.23	6060	65900	4.2	5140	4030	350															
22	3.64			7.0	7.6				8.7		194		4	303		11	3.35	10140	65900	4	4580	3530	300												0.2			20.64
23	3.47			7.3	7.4				9.1		300		6	286		6	3.23	10370	105000	4.4	4770	3890	250												0.25		0.645	
24	3.21			7.1	7.5				9.3		130		8	202		6	3.136	9370	65900	4.2	5070	4110	250											1.03	80		0.29	
25	3.16																3.144	9890	65900	3	4860	3840	250															
26	3.10																3.12	9310	65900	2.1	4940	3800	250															
27	3.08																3.057	9100	65900	2	5000	3840	230															
28	2.82																2.96	10230	65900	2.3	4760	3620	220															
29	3.15																2.95	9870	65900	2.1	4990	3840	240															
30	3.48																2.92	11210	65900	2.6	4720	3770	240															
31	3.595																3.079	10970	65900	2.6	4680	3610	250															
Tot.	106.1																93.68																					
Avg.	3.423			7.1	7.4				9.2		149		5	208		4	3.022	11001	69684	3.874	4983	3928	314.5									1.358	74.75		0.25		0.41	18.78

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

32604                  34990                  20315  
FLOW                  CBOD                  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