



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

July 22, 2024

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

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for JUNE 2024.**

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 June 2024.

There were no bypasses or overflows to report.

Unfortunately, we had two exceedances to report.
Phosphorus monthly average limit 1mg/L report of 2.mg/L
Phosphorus weekly maximum limit 1.5mg/L. report of 7.1mg/L

We have been doing natural phosphorus removal since the end of June 2023 on plant with our anoxic/BNR system. The BNR system has been working as planned. We noticed some elevated phosphorus coming into the plant this month. After receiving high results in our influent and effluent samples, we started utilizing the chemical reducing phosphorus system to help with phosphorus removal. We have involved our Industrial Waste Department to investigate potential sources that could be contributing to the increased influent phosphorus. We are also looking internally at our processes to make sure we are not contributing to the increased phosphorus. We will continue utilize our phosphorus reducing agent system along with the BNR system to meet our KPDES phosphorus limit.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6004.



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Sincerely,

Curt Otto
Process Supervisor

CEO/ Hite Creek. 6/24.

Cc: V. Teague
K. Robinson
M. Saylor

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the [NPDES eReporting Help Desk](#) for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

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: 001-1B SANITARY WASTEWATER																					
Report Dates & Status																							
Monitoring Period: From 06/01/24 to 06/30/24				DMR Due Date: 07/28/24				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.																							
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				
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample	=	8.0										19 - mg/L	0	03/07 - Three Per Week	GR - GRAB			
					Permit Req.	>=	7.0 INST MIN									19 - mg/L							
					Value NODI																		
00400	pH	1 - Effluent Gross	0	--	Sample	=	7.0					=	7.5			12 - SU	0	03/07 - Three Per Week	GR - GRAB				
					Permit Req.	>=	6.0 MINIMUM				<=	9.0 MAXIMUM			12 - SU								
					Value NODI																		
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	197.0	=	264.0	26 - lb/d		=	5.0	=	7.0	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS				
					Permit Req.	<=	2253.0 MO AVG	<=	3380.0 MX WK AV	26 - lb/d		<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L							
					Value NODI																		
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample							=	187.0	=	241.0	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS				
					Permit Req.											Req Mon MO AVG				Req Mon MX WK AV	19 - mg/L		
					Value NODI																		
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample							=	12.0	=	18.0	19 - mg/L	0	01/07 - Weekly	CP - COMPOS				
					Permit Req.											Req Mon MO AVG				Req Mon MX WK AV	19 - mg/L		
					Value NODI																		
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample							=	30.0	=	34.0	19 - mg/L	0	01/07 - Weekly	CP - COMPOS				
					Permit Req.											Req Mon MO AVG				Req Mon MX WK AV	19 - mg/L		
					Value NODI																		
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample							=	0.3	=	0.4	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS				
					Permit Req.											<=				2.0 MO AVG	<=	3.0 MX WK AV	19 - mg/L
					Value NODI																		
X 00665	Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample							=	2.0	=	7.1	19 - mg/L	1	01/07 - Weekly	CP - COMPOS				
					Permit Req.											<=				1.0 MO AVG	<=	1.5 MX WK AV	19 - mg/L
					Value NODI																		
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	1	--	Sample							=	4.2	=	4.7	19 - mg/L	0	01/07 - Weekly	CP - COMPOS				
					Permit Req.											Req Mon MO AVG				Req Mon MX WK AV	19 - mg/L		
					Value NODI																		
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	4.094	=	5.5	03 - MGD							0	03/07 - Three Per Week	CN - CONTIN				
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD										99/99 - Continuous	RC - Recorder (auto)		

					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample	=													
					Permit Req.	<=													
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	123.0	=	131.0	26 - lb/d	=	3.0	=	4.0	19 - mg/L				
					Permit Req.	<=	751.0 MO AVG	<=	1127.0 MX WK AV	26 - lb/d	<=	10.0 MO AVG	<=	15.0 MX WK AV	19 - mg/L				
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample	=													
					Permit Req.														
					Value NODI														
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample	=													
					Permit Req.	>=													
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=													
					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

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
00665	Phosphorus, total [as P]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
00665	Phosphorus, total [as P]	1 - Effluent Gross	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

Comments

Attachments

Name	Type	Size
HC_CoverletterJune24.pdf	pdf	69214.0
HCMOR062024.XLS	xls	335360.0

Report Last Saved By

Hite Creek WQTC MSD

User: CURT.OTTO@LOUISVILLEMSD.ORG
 Name: Curt Otto
 E-Mail: curt.otto@louisvillemmsd.org
 Date/Time: 2024-07-22 09:18 (Time Zone: -04:00)

Report Last Signed By

User: CURT.OTTO@LOUISVILLEMSD.ORG
 Name: Curt Otto
 E-Mail: curt.otto@louisvillemmsd.org
 Date/Time: 2024-07-22 09:36 (Time Zone: -04:00)

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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:		001-2B QUARTERLY BIOMONITORING															
Report Dates & Status																							
Monitoring Period:						From 04/01/24 to 06/30/24				DMR Due Date:				07/28/24				Status:		NetDMR Validated			
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61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample														0	01/90 - Quarterly	24 - COMP24		
					Permit Req.																		
					Value NODI																		
Submission Note																							
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No errors.																							
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Attachments																							
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Name:				Curt Otto																			
E-Mail:				curt.otto@louisvillemsd.org																			
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