



Louisville and Jefferson County Metropolitan Sewer District
700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
www.msdlouky.org

February 11, 2016

Cheryl Edward
Kentucky Division of Water
200 Fair Oaks Lane
Frankfort, Kentucky 40601

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for January 2016.**

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 January 2016.

There were two exceedances for ammonia limits. One was for monthly average and the other was for weekly average. The cause of the exceedances was attributable to two of the aeration tanks being out of service due to construction and the aeration tank blower kicking-out the night before sampling. The blower was not restarted until 7:00 am Monday January 25th. Additional sampling for ammonia was done during this reporting period for compliance purposes, and the plant also increased the solids inventory to help with the ammonia problem.

There were no bypasses or discharges to report this month.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5856.

Sincerely,

Duane V. Wright
Process Supervisor, East Region

DVW/ Hite Creek. 01/16.

Enclosures

cc: T. Singleton
R. Shaw



Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com

DMR Copy of Record

Permit					
Permit #:	KY0022420	Permittee:	HITE CREEK WQTC MSD	Facility:	HITE CREEK WQTC MSD
Major:	Yes	Permittee Address:	5512 HITT LN LOUISVILLE, KY 40201	Facility Location:	5512 HITT LN LOUISVILLE, KY 40201
Permitted Feature:	001 External Outfall	Discharge:	001-2 MUNICIPAL WASTEWATER		

Report Dates & Status					
Monitoring Period:	From 01/01/16 to 01/31/16	DMR Due Date:	02/28/16	Status:	NetDMR Validated

Considerations for Form Completion
USE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

Principal Executive Officer					
First Name:	James A.	Title:	Exec. Dir	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					=	9					19 - mg/L	01/01 - Daily	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			=	7.8	12 - SU	01/01 - Daily	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	=	202	=	341	26 - lb/d			=	5	=	8	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.	<=	1501 MO AVG	<=	2252 MX WK AV	26 - lb/d			<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Value NODI																
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	9030	=	12739	26 - lb/d			=	221	=	314	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d				Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Value NODI																
X 00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	229	=	347	26 - lb/d			=	6	=	9	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.	<=	250 MO AVG	<=	375 MX WK AV	26 - lb/d			<=	5 MO AVG	<=	7.5 MX WK AV	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Value NODI																
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	803	=	825	26 - lb/d			=	20	=	21	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d				Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Value NODI																
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample							=	0.6	=	0.9	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.							<=	2 MO AVG	<=	3 MX WK AV	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Value NODI																
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	4.864	=	5.536	03 - MGD								99/99 - Continuous	CN - CONTIN		
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD										99/99 - Continuous	CN - CONTIN
					Value NODI																
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample							=	3	=	3	13 - #/100mL	03/07 - Three Per Week	GR - GRAB			
					Permit Req.							<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL	03/07 - Three Per Week	GR - GRAB			
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	158	=	180	26 - lb/d			=	4	=	4	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.	<=	500 MO AVG	<=	751 MX WK AV	26 - lb/d			<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample	=	6276	=	6984	26 - lb/d			=	153	=	171	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d				Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Value NODI																
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample							=	97			23 - %	01/30 - Monthly	CA - CALCTD			
					Permit Req.							>=	85 MO AV MN			23 - %	01/30 - Monthly	CA - CALCTD			
					Value NODI																
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample							=	98			23 - %	01/30 - Monthly	CA - CALCTD			
					Permit Req.							>=	85 MO MIN			23 - %	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						
Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

00610 Nitrogen, ammonia total [as N] 1 - Effluent Gross Quality or Concentration Sample Value 3 Soft The provided sample value is outside the permit limit. (Error Code: 1) Yes

Comments

Attachments

Name	Type	Size
HC012016_COVER.pdf	pdf	59478
HC012016_MOR.pdf	pdf	65440

Report Last Saved By

HITE CREEK WQTC MSD

User: kevin.ries@louisvillemsd.org | Date/Time: 2016-02-17 08:22 (Time Zone: -05:00)
Name: Kevin Ries
E-Mail: kevin.ries@louisvillemsd.org

DMR Copy of Record

Permit																			
Permit #:	KY0022420				Permittee:	HITE CREEK WQTC MSD				Facility:	HITE CREEK WQTC MSD								
Major:	Yes				Permittee Address:	5512 HITT LN LOUISVILLE, KY 40201				Facility Location:	5512 HITT LN LOUISVILLE, KY 40201								
Permitted Feature:	001 External Outfall				Discharge:	001-R REASONABLE POTENTIAL													
Report Dates & Status																			
Monitoring Period:	From 01/01/16 to 01/31/16				DMR Due Date:	02/28/16				Status:	NetDMR Validated								
Considerations for Form Completion																			
Principal Executive Officer																			
First Name:	James A.				Title:	Exec. Dir				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			
00722	Cyanide, free [amen. to chlorination]	1 - Effluent Gross	0	--	Sample					<	0.005			<	0.005	19 - mg/L	03/30 - Three Per Month	CP - COMPOS	
					Permit Req.												01/30 - Monthly	CP - COMPOS	
					Value NODI														
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample					=	221			=	225	19 - mg/L	03/30 - Three Per Month	CP - COMPOS	
					Permit Req.												01/30 - Monthly	CP - COMPOS	
					Value NODI														
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--	Sample					<	0.003			<	0.003	19 - mg/L	03/30 - Three Per Month	CP - COMPOS	
					Permit Req.												01/30 - Monthly	CP - COMPOS	
					Value NODI														
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample					<	0.00025			<	0.00025	19 - mg/L	03/30 - Three Per Month	CP - COMPOS	
					Permit Req.												01/30 - Monthly	CP - COMPOS	
					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					
HC012016_MOR.pdf										pdf				65440					
HC012016_COVER.pdf										pdf				59478					
Report Last Saved By																			
HITE CREEK WQTC MSD																			
User:	kevin.ries@louisvillemtd.org				Date/Time:	2016-02-17 08:17 (Time Zone: -05:00)													
Name:	Kevin Ries																		
E-Mail:	kevin.ries@louisvillemtd.org																		

