



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

August 14, 2017

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

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for July 2017.**

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 July 2017.

During the month of July we exceeded our effluent limits for Nitrogen Ammonia (NH₃), this was due to a Urea chemical release from a nearby industrial user. This high concentration of ammonia that entered the plant caused us to exceed our weekly permit limit and monthly permit limit for the month of July. The cause of this release is still under investigation.

There were no overflows or bypasses.

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

Sincerely,

Staci Huber
Process Supervisor

SH/ Hite Creek. 07/17.

Cc: V. Teague
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:	700 W Liberty St Louisville, KY 40203	Facility Location:	5512 HITT LN LOUISVILLE, KY 40285
Permitted Feature:	001 External Outfall	Discharge:	001-2 MUNICIPAL WASTEWATER		

Report Dates & Status					
Monitoring Period:	From 07/01/17 to 07/31/17	DMR Due Date:	08/28/17	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:	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					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			=	7.9	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	=	164	=	209	26 - lb/d			=	5	=	7	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	=	7377	=	8824	26 - lb/d			=	229	=	283	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	1	--	Sample	=	156	=	424	26 - lb/d			=	5	=	14	19 - mg/L	14/30 - 14 Per Month	CP - COMPOS		
					Permit Req.	<=	100 MO AVG	<=	150 MX WK AV	26 - lb/d			<=	2 MO AVG	<=	3 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	=	986	=	1262	26 - lb/d			=	31	=	42	19 - mg/L	14/30 - 14 Per Month	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	1	--	Sample							=	0.6	=	0.8	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.							<=	1 MO AVG	<=	1.5 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	=	3.886	=	5.18	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							=	4	=	12	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	=	167	=	208	26 - lb/d			=	5	=	7	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	=	7557	=	8482	26 - lb/d			=	235	=	271	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					=	98					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	Quantity or Loading Sample Value 1	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	Quantity or Loading 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 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
072017_HC_MOR.pdf	pdf	94465
072017_HC_Coverletter.pdf	pdf	47847

Report Last Saved By
Hite Creek WQTC MSD

User:	staci.huber@louisvillemmsd.org	Date/Time:	2017-08-21 09:32 (Time Zone: -04:00)
Name:	Staci Huber		
E-Mail:	staci.huber@louisvillemmsd.org		

DMR Copy of Record

Permit																			
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Permitted Feature:	001 External Outfall				Discharge:	001-R REASONABLE POTENTIAL													
Report Dates & Status																			
Monitoring Period:	From 07/01/17 to 07/31/17				DMR Due Date:	08/28/17				Status:	NetDMR Validated								
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Form NODI:	--																		
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					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		01/30 - Monthly	CP - COMPOS
					Permit Req.													01/30 - Monthly	CP - COMPOS
					Value NODI														
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample					=	217			=	217	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Permit Req.													01/30 - Monthly	CP - COMPOS
					Value NODI														
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--	Sample					<	0.005			<	0.005	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Permit Req.													01/30 - Monthly	CP - COMPOS
					Value NODI														
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample					<	0.25			<	0.25	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Permit Req.													01/30 - Monthly	CP - COMPOS
					Value NODI														
Submission Note																			
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Edit Check Errors																			
No errors.																			
Comments																			
Attachments																			
										Name					Type				Size
										072017_HC_MOR.pdf					pdf				94465
Report Last Saved By																			
Hite Creek WQTC MSD																			
User:	staci.huber@louisvillemsd.org				Date/Time:	2017-08-21 09:34 (Time Zone: -04:00)													
Name:	Staci Huber																		
E-Mail:	staci.huber@louisvillemsd.org																		

