



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

August 13, 2015

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

**Re: MSD Metro Operations
North Hunting Creek WQTC; KPDES No.: KY 0029106
Discharge Monitoring Reports for July 2015.**

Dear Ms. Edwards:

Attached is the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the North Hunting Creek WQTC; KPDES No.:KY0029106 for the month of July 2015.

Also attached are bypass letters and discharge reports.

There were no exceedances to report for this month.

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

Sincerely,

A handwritten signature in cursive script that reads "Duane V. Wright".

Duane V. Wright
Process Supervisor, East Region

DVW/North Hunting Creek 07/15.

Enclosures

cc: T. Singleton
R. Shaw



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

DMR Copy of Record

Permit			
Permit #:	KY0029106	Permittee:	HUNTING CREEK N WQTC MSD
Major:	No	Permittee Address:	7300 SHADWELL LN PROSPECT, KY 40059
Permitted Feature:	001 External Outfall	Discharge:	001-1 MUNICIPAL DISCHARGE
Facility:		Facility Location:	HUNTING CREEK N WQTC MSD 7300 SHADWELL LN PROSPECT, KY 40059

Report Dates & Status			
Monitoring Period:	From 07/01/15 to 07/31/15	DMR Due Date:	08/28/15
Status:	NetDMR Validated		

Considerations for Form Completion
 TOTAL NITROGEN = TKN (AS N) AND NITRATE/NITRITE (AS N) - 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:	Greg	Title:	Exec. Dir
Last Name:	Heitzman	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					=	7					19 - mg/L	0	27/30 - 27 Per Month	GR - GRAB			
					Permit Req.					>=	7 INST MIN				19 - mg/L	01/07 - Weekly		GR - GRAB				
					Value NODI																	
00400	pH	1 - Effluent Gross	0	--	Sample					=	7		=	7	12 - SU	0	27/30 - 27 Per Month	GR - GRAB				
					Permit Req.					>=	6 MINIMUM		<=	9 MAXIMUM	12 - SU		01/07 - Weekly	GR - GRAB				
					Value NODI																	
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	21	=	27	26 - lb/d		=	7	=	9	19 - mg/L	0	01/07 - Weekly	CP - COMPOS			
					Permit Req.	<=	90 30DA AVG	<=	135 DAILY MX	26 - lb/d		<=	30 30DA AVG	<=	45 DAILY MX	19 - mg/L		01/07 - Weekly	24 - COMP24			
					Value NODI																	
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	10	=	14	19 - mg/L	0	01/07 - Weekly	CP - COMPOS				
					Permit Req.										Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Value NODI																	
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	1	=	2	26 - lb/d		=	0.5	=	0.6	19 - mg/L	0	01/07 - Weekly	CP - COMPOS			
					Permit Req.	<=	6 30DA AVG	<=	9 DAILY MX	26 - lb/d		<=	2 30DA AVG	<=	3 DAILY MX	19 - mg/L		01/07 - Weekly	24 - COMP24			
					Value NODI																	
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample						=	0.3	=	0.6	19 - mg/L	0	05/30 - 5 Times Every Month	CP - COMPOS				
					Permit Req.										<=		1 30DA AVG	<=	2 DAILY MX	19 - mg/L	01/07 - Weekly	CP - COMPOS
					Value NODI																	
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.431	=	1.006	03 - MGD						0	99/99 - Continuous	CN - CONTIN				
					Permit Req.													Req Mon 30DA AVG	Req Mon INST MAX	03 - MGD	01/07 - Weekly	IN - INSTAN
					Value NODI																	
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample						<	0.01	<	0.01	19 - mg/L	0	27/30 - 27 Per Month	GR - GRAB				
					Permit Req.										<=		.011 30DA AVG	<=	.019 DAILY MX	19 - mg/L	01/07 - Weekly	GR - GRAB
					Value NODI																	
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	4	=	10	13 - #/100mL	0	06/30 - Six Per Month	GR - GRAB				
					Permit Req.										<=		130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL	01/07 - Weekly	GR - GRAB
					Value NODI																	
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	6	=	8	26 - lb/d		=	2	=	2	19 - mg/L	0	01/07 - Weekly	CP - COMPOS			
					Permit Req.	<=	30 30DA AVG	<=	45 DAILY MX	26 - lb/d		<=	10 30DA AVG	<=	15 DAILY MX	19 - mg/L		01/07 - Weekly	24 - COMP24			
					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
2015_7_HuntingCreekNorth_OverflowReport.pdf	pdf	71423
NHC072015_COVER.pdf	pdf	47793
NHC072015_MOR.pdf	pdf	26299
NORTHHUNTINGCRK7142015_LETTER.pdf	pdf	62846

Report Last Saved By

HUNTING CREEK N WQTC MSD

User: wrightd

Date/Time:

2015-10-12 10:29 (Time Zone: -04:00)

Name: Duane Wright

E-Mail: duane.wright@louisvillemsd.org

Hunting Creek North

Hunting Cr. No.		Report for Jul-15				Tot. Exc.= 0										
Tot. Flow= 13.35961		Concentrations				Pounds										
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3	T. Phos	TSS Rem	Tot. N	BOD Rem	D.O.	p.H.	TRC	
7/1/15	0.355	9	2	0.45		26.674	5.928	1.334	0.321	0.8875	13.98	0.970588	7.5	7.1	<0.010	
7/2/15	0.350				1								7.3	7.2	<0.010	
7/3/15	0.343												7.4	7.2	<0.010	
7/4/15	0.318												7.3	7.2	<0.010	
7/5/15	0.311												7.2	7.3	<0.010	
7/6/15	0.311												7.2	7.1	<0.010	
7/7/15	0.372												7.2	7.1	<0.010	
7/8/15	0.425	6	2	0.56		21.280	7.093	1.986	0.262	0.966292	11.56	0.986667	7.2	7.1	<0.010	
7/9/15	0.417				2								7.3	7.3	<0.010	
7/10/15	0.461												7.3	7.3	<0.010	
7/11/15	0.420												7.5	7.3	<0.010	
7/12/15	0.827															
7/13/15	0.776															
7/14/15	1.006															
7/15/15	0.614												7.5	7.3	<0.010	
7/16/15	0.471	6	2	0.36		23.559	7.853	1.414	0.084	0.9375	6.54	0.979167	7.5	7.3	<0.010	
7/17/15	0.438				1011								7.5	7.3	<0.010	
7/18/15	0.723												7.3	7.1	<0.010	
7/19/15	0.474												7.4	7.2	<0.010	
7/20/15	0.411				1								7.4	7.2	<0.010	
7/21/15	0.335				1								7.4	7.2	<0.010	
7/22/15	0.307	5	2	0.48		12.785	5.114	1.227	0.280	0.973684	8.83	0.979167	7.6	7.3	<0.010	
7/23/15	0.332				1								7.3	7.2	<0.010	
7/24/15	0.317												7.5	7.3	<0.010	
7/25/15	0.325												7.5	7.3	<0.010	
7/26/15	0.328												7.5	7.3	<0.010	
7/27/15	0.328								0.553				7.5	7.3	<0.010	
7/28/15	0.334												7.4	7.1	<0.010	
7/29/15	0.320												7.4	7.1	<0.010	
7/30/15	0.309												7.4	7.1	<0.010	
7/31/15	0.302												7.600	7.000	<0.010	
Average	0.431	7	2	0.5	3.56	21	6.497	1.49	0.3	95%	10.2275	98%	7.40	7	0.00	
Maximum	1.006	9	2	0.6	1011.00	27	7.853	2.0	0.6		13.98		7.6	7	0	
Exceed.	14	0	0	0	0	0	0	0	0	0	0	0				



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July 14, 2015

Mr. Charlie Roth, District Supervisor
KY Division of Water
Louisville Regional Office
9116 Leesgate Road
Louisville, KY 40222-5084

Re: Bypass Report for the: North Hunting Creek WQTC- KPDES Permit: KY0029106

Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on July 12, 2015, referencing Work Order 2387500 as a rain event discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: An extremely heavy rain event caused the water quality treatment center to become overwhelmed. All concrete plant process structures were flooded and completely underwater. MSD staff are unable to determine the exact volume that was bypassed because the facility was flooded. Prior to the plant flood, the influent flow rate was 782 gpm. The design flow of the plant is 0.358 MG. The exact volume of raw wastewater reaching the waters of the U.S. cannot be accurately calculated because the WQTC was completely underwater.
- Period of noncompliance: Starting 08:00 AM on July 12, 2015 and stopping 12:15 AM on July 13, 2015.
- Steps taken or planned to reduce, eliminate and prevent recurrence: This plant is scheduled to come off line in 2015.
- Additional comments: No additional comments

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-587-5856, my cell phone at (502)-396-9142 or via email at duane.wright@louisvillemtd.org.

Sincerely,

Duane V. Wright
Process Supervisor-Operations

cc: Courtney Seitz, KDEP
Paula Purifoy, MSD
eB File





Report Selections: Period: 07/01/2015 00:00 thru 07/31/2015 23:59, treatment Plant: MSD0291 HUNTING CREEK NORTH, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0029106	MSD0291	HUNTING CREEK NORTH	HARRODS CREEK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0291	9810 U S HIGHWAY 42		HARRODS CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2387500		07/12/2015	MARKS JR	OPS BSHIFT EAST	REPAIRED - ISSUE RESOLVED	12/24/2013	BYPASS AT WQTC	UNAUTHORIZED DISCHAGE - WATERS	07/13/15 12:15 AM	

Discharge Reporting:

Discharge Amount:	1,325,490 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SOLIDS OBSERVED
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP
Public Notification:	TEMPORARY SIGNS POSTED AROUND THE AFFECTED AREA

Notifications:

7/12/15 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
7/12/15 1:00 pm	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'

Total Facilities Printed: 1

Total Work Orders Printed: 1