



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

January 19, 2014

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 December 2013.**

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 December 2013.

There were no exceedences or overflows to report for this month.

Also attached is a bypass report.

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

Sincerely,


Kevin Thompson
Process Supervisor, East Region

KT/North Hunting Creek 12/13.

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 12/01/13 to 12/31/13	DMR Due Date:	01/28/14
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:	Executive Director
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					=	8					19 - mg/L	0	01/01 - Daily	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		=	8	12 - SU	0	01/01 - Daily	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	=	25	=	35	26 - lb/d		=	10	=	14	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	1 - Effluent Gross	0	--	Sample						=	21	=	28	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	2	--	Sample	=	0.6	=	0.9	26 - lb/d		=	0.3	=	0.4	19 - mg/L	0	01/07 - Weekly	CP - COMPOS				
					Permit Req.	<=	15 30DA AVG	<=	22.5 DAILY MX	26 - lb/d		<=	5 30DA AVG	<=	7.5 DAILY MX	19 - mg/L		01/07 - Weekly	24 - COMP24				
					Value NODI																		
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample						=	0.5	=	0.6	19 - mg/L	0	01/07 - Weekly	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	=	0.314	=	0.818	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	01/01 - Daily	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							=	6	=	10	13 - #/100mL	0	01/07 - Weekly	GR - GRAB				
					Permit Req.											<=		130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL	01/07 - Weekly	GR - GRAB
					Value NODI																		
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	5	=	5	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
201312_HUNTINGCREEKNORTH_BypassReport.pdf	pdf	35664
201312_NorthHuntingCreek_coverletter.pdf	pdf	16461
201312_NorthHuntingCreek_MOR.pdf	pdf	9683

Report Last Saved By

HUNTING CREEK N WQTC MSD

User: kevin.thompson@louisvillemsd.org

Date/Time:

2014-01-21 13:44 (Time Zone: -05:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemsd.org

Hunting Creek North

Hunting Cr. No.		Report for		Dec-13		Tot. Exc.=		0 (Influent data below.)						
Tot. Flow= 9.723308		Concentrations					Pounds			T. Phos	Tot. N	D.O.	p.H.	TRC
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3						
12/1/13	0.240											7.7	7.5	0.01
12/2/13	0.208	4	2	0.28		6.927	3.463	0.485	0.371	28.1		7.7	7.5	0.01
12/3/13	0.200				5							8	7.4	0.01
12/4/13	0.211											8	7.4	0.01
12/5/13	0.273											8	7.4	0.01
12/6/13	0.326											8	7.4	0.01
12/7/13	0.302											8	7.4	0.01
12/8/13	0.299											8	7.4	0.01
12/9/13	0.284	14	2	0.39		33.191	4.742	0.925	0.648	20.1		8	7.4	0.01
12/10/13	0.263				7							8.2	7.5	0.01
12/11/13	0.246											8.4	7.6	0.01
12/12/13	0.236											8.4	7.6	0.01
12/13/13	0.238											8.4	7.6	0.01
12/14/13	0.398											8.4	7.6	0.01
12/15/13	0.344											8.5	7.5	0.01
12/16/13	0.278	10	2	0.22		23.210	4.642	0.511	0.327	18.6		8.6	7.6	0.01
12/17/13	0.268				10							8.6	7.6	0.01
12/18/13	0.253											8.6	7.6	0.01
12/19/13	0.262											8.5	7.5	0.01
12/20/13	0.262											8.5	7.5	0.01
12/21/13	0.625											8.1	7.6	0.01
12/22/13	0.818											8.5	7.5	0.01
12/23/13	0.438											8	7.6	0.01
12/24/13	0.355											8	7.6	0.01
12/25/13	0.323	13	2	0.17		34.991	5.383	0.458	0.642	15.9		8.2	7.5	0.01
12/26/13	0.303				1							8	7.6	0.01
12/27/13	0.293											8	7.6	0.01
12/28/13	0.280											8	7.6	0.01
12/29/13	0.339											8.2	7.5	0.01
12/30/13	0.289											8.3	7.4	0.01
12/31/13	0.267											8.3	7.4	0.01
Average	0.314	10	2	0.3	4.33	25	4.558	0.59	0.5	20.7		8.20	8	0.01
Maximum	0.818	14	2	0.4	10.00	35	5.383	0.9	0.6	28.1		8.6	8	0.01
Exceed.	4	0	0	0	0	0	0	0	0	0				



700 West Liberty Street
Louisville Kentucky 40203-1911
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December 26, 2013

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 December 24, 2013, referencing Work Order 2086192 as a bypass. 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: Approximately 4,425 gallons of plant biosolids bypassed plant #2 clarifier to waters of the US. The bypass was caused by an obstruction in the clarifier return activated sludge (RAS) line. The bypassed biosolids received preliminary, disinfection and dechlorination treatment.
- Period of noncompliance: Starting 09:40 AM on December 24, 2013 and stopping 09:55 AM on December 24, 2013.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD cleared the obstruction in the the return line and pumped down #2 clarifier to clean all leaves and debris out of the clarifier .
- 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)-475-2224 or via email at kevin.thompson@louisvillemsd.org.

Sincerely,

Kevin Thompson
Process Supervisor-Operations

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





Initiated Dec 01, 2013 12:00 AM thru Dec 31, 2013 11:59 PM

Report Selections: Period: 12/01/2013 00:00 thru 12/31/2013 23:59, Excluding PPI Excluding CSO Excluding LAT, Prob Code: BYPAS, 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
DISDW: DRY WEATHER DISCHARGE	2086192		12/24/13 9:40 am	MARKS JR	OPS BSHIFT EAST	REPAIRED - ISSUE RESOLVED	12/24/2013	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	12/24/13 09:55 AM	

Discharge Reporting:

Discharge Amount:	4,425 GAL
Cause:	stopped up returns on #2 clarifier caused solids to flow out plant effluent
Clean Up:	msd cleaned and sanitized plant effluent area
Control Zone:	msd used signs and MSD web site to warn public .customer service notified
Impact:	solids going out plant effluent
Repair:	unclogged returns on clarifier #2
Public Notification:	msd used signs and MSD web site to warn public .customer service notified

Notifications:

12/24/13 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre,Dennis@epamail.epa.gov'
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