



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

February 8, 2016

Ms. Cheryl Edwards
Kentucky Division of Water
200 Fair Oaks Lane, 4th Floor
Frankfort, Kentucky 40601

Re: MSD Metro Operations
Starview WQTC; KPDES No.: KY0031712
Discharge Monitoring Report – January 2016.

Dear Ms. Edwards:

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operating Report (MOR) for the Starview WQTC, KPDES No.: KY0031712 for the month of January 2016.

There were no exceedences.

Also attached is a bypass letter and overflow report.

If you have any questions concerning the attached DMRs, please contact me at (502)239-7574.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kevin Thompson".

Kevin Thompson
Process Supervisor Central Region

KL/Starview 01.16

Enclosures

cc: R. Shaw
T. Singleton



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

DMR Copy of Record

Permit					
Permit #:	KY0031712	Permittee:	STARVIEW WQTC MSD	Facility:	STARVIEW WQTC MSD
Major:	No	Permittee Address:	423 BERMUDA WAY LOUISVILLE, KY 40243	Facility Location:	423 BERMUDA WAY LOUISVILLE, KY 40243
Permitted Feature:	001 External Outfall	Discharge:	001-1 DOMESTIC		

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:	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	01/01 - Daily	GR - GRAB	
					Permit Req.					>=	7 INST MIN					19 - mg/L	01/30 - Monthly	GR - GRAB	
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample					=	6		=	7		12 - SU	01/01 - Daily	GR - GRAB	
					Permit Req.					>=	6 MINIMUM		<=	9 MAXIMUM		12 - SU	01/30 - Monthly	GR - GRAB	
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	2	=	1.6		26 - lb/d	=	3	=	3		19 - mg/L	01/30 - Monthly	CP - COMPOS
					Permit Req.	<=	25 MO AVG	<=	37.5 WKLY AVG		26 - lb/d	<=	30 MO AVG	<=	45 WKLY AVG		19 - mg/L	01/30 - Monthly	24 - COMP24
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample					=	11		=	11		19 - mg/L	01/30 - Monthly	CP - COMPOS	
					Permit Req.									Req Mon MO AVG	Req Mon WKLY AVG		19 - mg/L	01/30 - Monthly	24 - COMP24
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	0.12	=	0.1		26 - lb/d	=	0.2	=	0.2		19 - mg/L	01/30 - Monthly	CP - COMPOS
					Permit Req.	<=	8.34 MO AVG	<=	12.5 WKLY AVG		26 - lb/d	<=	10 MO AVG	<=	15 WKLY AVG		19 - mg/L	01/30 - Monthly	24 - COMP24
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample					=	1.2		=	1.2		19 - mg/L	01/30 - Monthly	CP - COMPOS	
					Permit Req.									Req Mon MO AVG	Req Mon WKLY AVG		19 - mg/L	01/30 - Monthly	24 - COMP24
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.052	=	0.057		03 - MGD						99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon WKLY AVG		03 - MGD						0	01/30 - Monthly	IN - INSTAN
					Value NODI														
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample							<	0.01	<	0.01		19 - mg/L	01/01 - Daily	GR - GRAB
					Permit Req.							<=	.011 MO AVG	<=	.019 WKLY AVG		19 - mg/L	01/30 - Monthly	GR - GRAB
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample							<	11	<	11		13 - #/100mL	01/30 - Monthly	GR - GRAB
					Permit Req.							<=	130 30DA GEO	<=	240 7 DA GEO		13 - #/100mL	01/30 - Monthly	GR - GRAB
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	1	=	1		26 - lb/d	=	2	=	2		19 - mg/L	01/30 - Monthly	CP - COMPOS
					Permit Req.	<=	25 MO AVG	<=	37.5 WKLY AVG		26 - lb/d	<=	30 MO AVG	<=	45 WKLY AVG		19 - mg/L	01/30 - Monthly	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
2016_01_STARVIEW_coverletter.pdf	pdf	440694
2016_01_STARVIEW_MOR.pdf	pdf	367226
Bypassletter_Starview_Jan2016.pdf	pdf	574324
2016_01_STARVIEWWQTC_OVERFLOWREPORT.pdf	pdf	96945

Report Last Saved By

User: kevin.ries@louisvillemisd.org

Date/Time:

2016-02-17 08:27 (Time Zone: -05:00)

Name: Kevin Ries

E-Mail: kevin.ries@louisvillemisd.org

Starview		Report for		Jan-16		Tot. Exc.= 0								
Tot. Flow=	1.60291	Concentrations				Pounds								
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC	Tot. N	
1/1/16	0.081									9	6.4	0.01		
1/2/16	0.073									7.8	6.9	0.01		
1/3/16	0.065	3	2	0.22		1.616	1.077	0.119	1.15	11	6.3	0.01	10.64	
1/4/16	0.048				11					8.1	6.3	0.01		
1/5/16	0.043									9.6	6.2	0.01		
1/6/16	0.044									9.6	6.2	0.01		
1/7/16	0.044									9.7	6.3	0.01		
1/8/16	0.057									8.8	6.4	0.01		
1/9/16	0.060									8.1	6.5	0.01		
1/10/16	0.069									8.7	6.4	0.01		
1/11/16	0.059									9.2	6.1	0.01		
1/12/16	0.053									9.6	6.1	0.01		
1/13/16	0.045									11	6.2	0.01		
1/14/16	0.047									9.2	6.1	0.01		
1/15/16	0.051									9	6.7	0.01		
1/16/16	0.059									9.3	6.5	0.01		
1/17/16	0.048									9.5	6.7	0.01		
1/18/16	0.044									9.3	6.6	0.01		
1/19/16	0.038									9.5	6.7	0.01		
1/20/16	0.039									9.3	6.9	0.01		
1/21/16	0.038									9.4	6.6	0.01		
1/22/16	0.041									9.5	6.1	0.01		
1/23/16	0.045									9.8	6.3	0.01		
1/24/16	0.048									9.8	6.2	0.01		
1/25/16	0.050									9.7	6.4	0.01		
1/26/16	0.064									9.6	6.5	0.01		
1/27/16	0.054									9.5	6.2	0.01		
1/28/16	0.052									9.7	6.2	0.01		
1/29/16	0.042									9.6	6.3	0.01		
1/30/16	0.049									9.5	6.2	0.01		
1/31/16	0.052									9.7	6.3	0.01		
Average	0.052	3	2	0.2	11.00	2	1.077	0.12	1.2	9.39	6	0.01	10.64	
Maximum	0.081	3	2	0.2	11.00	2	1.077	0.1	1.2	11.00	7	0.01	10.64	
Exceed.	0	0	0	0	0	0	0	0						



700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
www.msdlouky.org

January 28, 2016

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

Re: Bypass Report for the: Starview WQTC- KPDES Permit: KY0031712


Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on January 27, 2016, referencing Work Order 2494614 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: A break in the plant's effluent force main occurred causing said by-pass. MSD immediately notified a contractor to repair the force main. Due to the break, approximately 210 gallons of fully treated plant effluent was bypassed at a non-permitted discharge location.
- Period of noncompliance: Starting 12:00 PM on January 27, 2016 and stopping 03:30 PM on January 27, 2016.
- Steps taken or planned to reduce, eliminate and prevent recurrence: Contractor repaired broken force main by installing a sleeve on the pipe at the break. This Plant is to be eliminated within the next few months.
- Additional comments: Plant is to be eliminated.

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-540-5848, my cell phone at (502)-715-2789 or via email at staci.huber@louisvillemsd.org.

Sincerely,

Staci Huber
Process Supervisor-Operations

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



Report Selections: Period: 01/01/2016 00:00 thru 01/31/2016 23:59, 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
KY0031712	MSD0247	STARVIEW	CHENOWETH RUN	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0247	423 BERMUDA WAY		CHENOWETH RUN	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	2494614		01/27/2016	HUBER	OPS BSHIFT CENTRAL	REPAIRED - ISSUE RESOLVED	01/27/2016	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	01/27/16 03:30 PM	

Discharge Reporting:

Discharge Amount:	210 GAL
Cause:	FORCE MAIN BREAK.
Clean Up:	FULLY TREATED WASTEWATER, DISCHARGE OCCURRED ALONG THE WQTC EFFLUENT LINE.
Control Zone:	TEMPORARY SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	FULLY TREATED WATER OBSERVED OVERFLOWING FROM EFFLUENT LINE.
Repair:	CONTRACTOR MADE REPAIRS.
Public Notification:	CONTROL ZONE MATERIALS USED FOR PUBLIC NOTIFICATION.

Notifications:

1/1/16 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
1/1/16 1:00 am	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