



Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)

May 20, 2014

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

**Re: MSD Metro Operations  
Starview WQTC; KPDES No.: KY0031712  
Discharge Monitoring Report – April 2014.**

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 April 2014.

Also attached is a bypass letter and overflow report.

There were no exceedances.

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

Sincerely,

  
Duane V. Wright  
Process Supervisor Central Region

DVW/Starview 04.14

Enclosures

cc: R. Shaw  
T. Singleton



*Beneficial Use of Louisville's Biosolids*  
[www.louisvillegreen.com](http://www.louisvillegreen.com)

**DMR Copy of Record**

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

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 04/01/14 to 04/30/14	DMR Due Date:	07/28/14
Status:	NetDMR Validated		

**Considerations for Form Completion**

<b>Principal Executive Officer</b>			
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	=	9									19 - mg/L	26/30 - 26 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	=	6					=	8			12 - SU	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	=	4	=	5	26 - lb/d		=	3	=	4	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.	<=	25 30DA AVG	<=	50 DAILY MX	26 - lb/d		<=	30 30DA AVG	<=	60 DAILY MX	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	0.3	=	0.5	26 - lb/d		=	0.2	=	0.3	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.	<=	8.34 30DA AVG	<=	16.7 DAILY MX	26 - lb/d		<=	10 30DA AVG	<=	20 DAILY MX	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample							=	1.5	=	2.1	19 - mg/L	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															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.166	=	0.494	03 - MGD							99/99 - Continuous	CN - CONTIN		
					Permit Req.		Req Mon 30DA AVG		Req Mon INST MAX	03 - MGD								0	99/99 - Continuous	CN - CONTIN
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample							<	0.01	<	0.01	19 - mg/L	28/30 - 28 Per Month	GR - GRAB		
					Permit Req.							<=	.011 30DA AVG	<=	.019 DAILY MX	19 - mg/L	01/07 - Weekly	GR - GRAB		
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample							=	2	=	3	13 - #/100mL	01/07 - Weekly	GR - GRAB		
					Permit Req.							<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL	01/07 - Weekly	GR - GRAB		
					Value NODI															
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	2	=	3	26 - lb/d		=	2	=	2	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.	<=	25 30DA AVG	<=	50 DAILY MX	26 - lb/d		<=	30 30DA AVG	<=	60 DAILY MX	19 - mg/L	01/07 - Weekly	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**

<b>Attachments</b>		
Name	Type	Size
STRVW_BYPASS04042014.pdf	pdf	19783
STRVW_MOR042014.pdf	pdf	23918
201404_STARVIEW_OverflowReport.pdf	pdf	71650
STRVW_COVER042014.pdf	pdf	16953

Name: Kevin Ries

E-Mail: kevin.ries@louisvillemsd.org

<b>Starview</b>		Report for		<b>Apr-14</b>		Tot. Exc.= 0						
Tot. Flow=	4.98071	Concentrations		Pounds								
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC
4/1/14	0.110	3	2	0.12		2.752	1.835	0.110	1.58	11	6.8	0.01
4/2/14	0.113				2					11	6.7	0.01
4/3/14	0.165									12	6.7	0.01
4/4/14	0.092											0.01
4/5/14	0.321											0.01
4/6/14	0.206									10	6.8	0.01
4/7/14	0.206									11	7	0.01
4/8/14	0.494										7.1	0.01
4/9/14	0.179									10	7.3	0.01
4/10/14	0.154	4	2	0.28		5.122	2.561	0.359	0.772	9.8	7.7	0.01
4/11/14	0.138				2					10	7.4	0.01
4/12/14	0.135									10	7.7	0.01
4/13/14	0.141									8.9	6.7	0.01
4/14/14	0.146									9.9	6.9	0.01
4/15/14	0.182	2	2	0.34		3.038	3.038	0.516	1.54	11	7	0.01
4/16/14	0.151				3					11	7	0.01
4/17/14	0.137									12	6.8	0.01
4/18/14	0.127									11	6.8	0.01
4/19/14	0.128									9.1	6.8	0.01
4/20/14	0.121									10	6.9	0.01
4/21/14	0.113									11	6.8	0.01
4/22/14	0.112	4	2	0.22		3.737	1.868	0.206	2.09	11	6.8	0.01
4/23/14	0.101				2					11	6.7	0.01
4/24/14	0.100									10	6.7	0.01
4/25/14	0.097									11	6.6	0.01
4/26/14	0.104									10		0.01
4/27/14	0.112									9.8	6.1	0.01
4/28/14	0.274									9.2	6.1	0.01
4/29/14	0.283										6.9	0.01
4/30/14	0.235									9.9	7	0.01
5/1/14												
Average	0.166	3	2	0.2	2.21	4	2.326	0.30	1.5	10.41	7	0.01
Maximum	0.494	4	2	0.3	3.00	5	3.038	0.5	2.1	12.00	8	0.01
Exceed.	28	0	0	0	0	0	0	0				



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

April 7, 2014

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 April 04, 2014, referencing Work Order 2141531 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: On April 4, 2014, due to elevated flows in the effluent, the pipe between the clarifiers and the chlorine contact tank was found leaking. Wastewater received preliminary and secondary treatment. Approximately 300 gallons reached waters of the U.S. Total flow for April 4, 2014 cannot be calculated due to the flow being too high for the sensor to read flow. Maximum flow capacity for the flow meter is .438 MGD
- Period of noncompliance: Starting 10:00 AM on April 04, 2014 and stopping 03:00 PM on April 04, 2014.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD is repairing piping between clarifiers and chlorine contact tank.

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-239-7574, my cell phone at (502)-396-9142 or via email at [duane.wright@msdlouky.org](mailto:duane.wright@msdlouky.org).

Sincerely,

Duane V. Wright  
Process Supervisor-Operations

cc: Gary Levy, KDEP  
Paula Purifoy, Wes Sydnor, Kevin Ries, Robert Bates - MSD  
eB File



Report Selections: Period: 04/01/2014 00:00 thru 04/30/2014 23:59, treatment Plant: MSD0247 STARVIEW, 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
DISREV:RAIN EVENT DISCHARGE	2141531		4/4/14 10:00 am	MARKS JR	OPS BSHIFT	REPAIRED - ISSUE RESOLVED	04/04/2014	BYPASS AT WQTC	UNAUTHORIZED DISCHAGE - WATERS	04/04/14 06:10 PM	

**Discharge Reporting:**

Discharge Amount:	300 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO IMPACT OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TEMPORARY SIGNS POSTED AROUND THE AFFECTED AREA

**Notifications:**

4/4/14 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
4/4/14 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