

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

January 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 – December 2015.

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 December 2015.

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,

Kevin Thompson

Process Supervisor Central Region

KLT/Starview 12.15

Enclosures

cc:

R. Shaw

T. Singleton

DMR Copy of Record

Permit

Permit #: KY0031712

Major: No

Permittee: STARVIEW WQTC MSD

Permittee Address: 423 BERMUDA WAY

LOUISVILLE, KY 40243

Facility Location:

Facility:

STARVIEW WQTC MSD

423 BERMUDA WAY LOUISVILLE, KY 40243

Permitted Feature:

001 External Outfall

Parrott

Discharge: 001

utfall

001-1 DOMESTIC

Report Dates & Status

Monitoring Period: From 12/01/15 to 12/31/15

DMR Due Date: 01/28/16

Status:

Considerations for Form Completion

Principal Executive Officer

First Name: James

Title:

Executive Director

Telephone:

502-540-6000

NetDMR Validated

No Data Indicator (NODI)

Last Name:

Form NODI:

I:																					
	Monitoring Location	n Season #	Param. NOD														# of Ex	x. Frequency of Analys	sis Sample Type		
Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier '	1 Value 1	Qualifier 2	Value 2	Qualifier	3 Value 3						
										-	7							•	GR - GRAB		
, dissolved [DO]	1 - Effluent Gross	0								>=	7 INST MIN	l				19 - mg/L	0	01/30 - Monthly	GR - GRAB		
				Value NODI																	
				Sample						=	6			=	7	12 - SU		01/01 - Daily	GR - GRAB		
	1 - Effluent Gross	0		Permit Req.						>=	6 MINIMUM	1		<=	9 MAXIMUM	12 - SU	0	01/30 - Monthly	GR - GRAB		
				Value NODI																	
				Sample	=	1	=	1.1	26 - lb/d			=	3	=	3	19 - mg/L		01/30 - Monthly	CP - COMPOS		
total suspended	1 - Effluent Gross	0		Permit Req.	<=	25 MO AVG	<=	37.5 WKLY AVG	26 - lb/d			<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L	0	01/30 - Monthly	24 - COMP24		
				Value NODI																	
				Sample								=	11	=	11	19 - mg/L		01/30 - Monthly	CP - COMPOS		
n, total [as N]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AV	G	Req Mon WKLY AV	G 19 - mg/L	0	01/30 - Monthly	24 - COMP24		
				Value NODI																	
				Sample	=	0.09	=	0.1	26 - lb/d			=	0.3	-	0.3	19 - mg/L		01/30 - Monthly	CP - COMPOS		
n, ammonia total [as N]	1 - Effluent Gross	2		Permit Req.	<=	8.34 MO AVG	<=	12.5 WKLY AVG	26 - lb/d			<=	10 MO AVG	<=	15 WKLY AVG	19 - mg/L	0	01/30 - Monthly	24 - COMP24		
				Value NODI																	
				Sample								=	1.9	=	1.9	19 - mg/L		01/30 - Monthly	CP - COMPOS		
orus, total [as P]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AV	G	Req Mon WKLY AV	G 19 - mg/L	0	01/30 - Monthly	24 - COMP24		
				Value NODI																	
				Sample	_	0.096	=	0.166	03 - MGE)								99/99 - Continuous	CN - CONTIN		
conduit or thru treatment plant	1 - Effluent Gross	0		Permit Req.		Reg Mon MO AV	/G	Reg Mon WKLY AV	G 03 - MGE)							0	01/30 - Monthly	IN - INSTAN		
·				Value NODI														·			
				Sample								<	0.01	<	0.01	19 - mg/L		01/01 - Daily	GR - GRAB		
e, total residual	1 - Effluent Gross	0		Permit Reg.								<=	.011 MO AVG	<=	.019 WKLY AVG	19 - mg/L	0	01/30 - Monthly	GR - GRAB		
				Value NODI														,			
				Sample								<	1	=	1	13 - #/100mL	_	01/30 - Monthly	GR - GRAB		
	1 - Effluent Gross	0											130 30DA GEO	<=	240 7 DA GEO				GR - GRAB		
																	2 m roome o ono working				
				Sample	=	1	=	0.7	26 - lb/d			=	2	=	2	19 - mg/L		01/30 - Monthly	CP - COMPOS		
arbonaceous [5 day, 20 C]	1 - Effluent Gross	0	0	0			<=	25 MO AVG						<=	30 MO AVG	<=	45 WKLY AVG		0		24 - COMP24
[,]				Value NODI																	
n c	Parameter Name dissolved [DO] otal suspended n, total [as N] n, ammonia total [as N] orus, total [as P] conduit or thru treatment plant e, total residual	Parameter Name I - Effluent Gross 1 - Effluent Gross	Parameter Name Name 1 - Effluent Gross 0 1 - Effluent Gross 1 - Effluent Gross 0 1 - Effluent Gross 0	Parameter Name Name 1 - Effluent Gross 0 1 - Effluent Gross 0	Name Sample Permit Req. Value NODI Value NODI Value NO	Name Name Season # Param. NOD Qualifier 1	Name Name	Parameter Monitoring Location Season # Param. NOD Qualifier 1 Value 1 Qualifier 2 Qualifier 2 Value 1 Qualifier 2 Qualifier 3 Qualifier 4 Value 1 Qualifier 2 Qualifier 2 Qualifier 3 Qualifier 4 Qualifier 2 Qualifier 4 Qualifier 4 Qualifier 2 Qualifier 4 Qualifier 4	Parameter Name Param. NOD Qualifier 1 Value 1 Qualifier 2 Value 2	Parameter Name Param. No. Param. No. Param. No. Qualifier 1 Value 1 Qualifier 2 Value 2 Units	Parameter Monitoring Location Name Param. NOD Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 3 Qualifier 3 Value 2 Units Qualifier 4 Value 1 Qualifier 2 Value 2 Units Qualifier 3 Qualifier 3 Qualifier 4 Value 1 Qualifier 2 Value 2 Units Qualifier 3 Qualifier 4 Value 1 Qualifier 2 Value 2 Units Qualifier 3 Qualifier 4 Value 1 Qualifier 2 Value 2 Units Qualifier 3 Qualifier 4 Value 1 Qualifier 4 Value 2 Value 2 Value 2 Value 3 Sample Sam	Parameter Monitoring Location Season # Param. NODI Name Sample Sample	Parameter Para	Parameter Para	Parameter Para	Name	Name Name	Name	Part Part		

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	Туре	Size
2015_12_Starview_Coverletter.pdf		pdf	451403
201512_Starview_Bypassletter.pdf		pdf	669843
201512_Starview_MOR.pdf		pdf	409522
2015_12_Starview_OverflowReport.pdf		pdf	96630
Report Last Saved By			

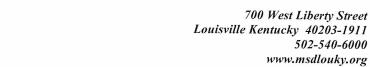
STARVIEW WQTC MSD

User: kevin.thompson@louisvillemsd.org Date/Time: 2016-01-15 09:25 (Time Zone: -05:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemsd.org

Starview		Report for	Dec-15		Tot. Exc.= 0								
Tot. Flow=	2.97818		Concentr				Pounds			27.72	S27 S		
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC	Tot. N
12/1/15	0.314									7	6.1	0.01	
12/2/15	0.130									7.4	6.9	0.01	
12/3/15	0.080									7.6	6.9	0.01	
12/4/15	0.069									7.6	6.5	0.01	
12/5/15	0.066									7.8	6.3	0.01	
12/6/15	0.064									7.9	6.3	0.01	
12/7/15	0.056	_	_					1007 0000000000	000	7.6	6.1	0.01	
12/8/15	0.042	3	2	0.28		1.063	0.709	0.099	1.88	8.1	6.3	0.01	11.37
12/9/15	0.043				1					7.9	6.4	0.01	
12/10/15	0.040									8	6.3	0.01	l
12/11/15	0.037									8.2	6.6	0.01	
12/12/15	0.041									8	7.1	0.01	
12/13/15	0.044									8.9	6.8	0.01	1
12/14/15	0.059									8.6	6.7	0.01	
12/15/15	0.057									7.8	6.3	0.01	
12/16/15	0.047									9.2	6.2	0.01	
12/17/15	0.038									8.8	6.1	0.01	
12/18/15	0.033									9	6.3	0.01	
12/19/15	0.037									8.8	6.2	0.01	
12/20/15	0.037									9.6	6.2	0.01	-
12/21/15	0.037									8.7	6.3	0.01	
12/22/15	0.134									8.8	6.3	0.01	
12/23/15	0.109									9.1	6.2	0.01	
12/24/15	0.151									8.4	7.1	0.01	
12/25/15	0.105									8.2	7.2	0.01	
12/26/15	0.109									8	6.7	0.01	
12/27/15	0.244									7.8	7.3	0.01	
12/28/15	0.306									7.8	7.3	0.01	
12/29/15	0.223									7	6.6	0.01	
12/30/15	0.133									7	6.6	0.01	
12/31/15	0.093									9	6.4	0.01	
Average	0.096	3	2	0.3	1.00	1	0.709	0.10	1.9	8.18	7	0.01	11.37
Maximum	0.314	3	2	0.3	1.00	1	0.709	0.1	1.9	9.60	7	0.01	11.37





December 02, 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: 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 December 01, 2015, referencing Work Order 2467165 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: The characteristic of this rain event precipitated a larger amount of rain than previously forecasted. We were unable to mobilize staff to the Starview Treatment facility before the bypass occurred. Upon arrival, due to the increased flow rates, the operator found biosolids bypassing secondary treatment. The plant operator immediately turned off the blowers to the aeration tanks and allowed the biosolids to settle which stopped the bypass. The total bypassed volume 17,000 gallons received full disinfection and dechlorination treatment. The design flow is 0.100 MGD with a peck flow rate of 0.336 MG. The 24 hour flow was 0.314 MGD.
- Period of noncompliance: Starting 08:20 AM on December 01, 2015 and stopping 10:00 AM on December 01, 2015.
- Steps taken or planned to reduce, eliminate and prevent recurrence: This Plant is to be elimated within the next few months.
- Additional comments: Plant is to be eliminated. MSD personnel cleaned the 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)-475-2224 or via email at kevin.thompson@louisvillemsd.org.

Kevin Thompson

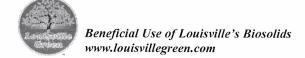
Sincerel

Process Supervisor-Operations

cc:

Courtney Seitz, KDEP Paula Purifoy, MSD







Report Selections: Period: 12/01/2015 00:00 thru 12/31/2015 23:59, treatment Plant: MSD0247 STARVIEW, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatement 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	2467165		12/01/2015	THOMPSON	OPS BSHIFT	REPAIRED -	12/01/2015	BYPASS AT	UNAUTHORIZED	12/01/15 10:00	
DISCHARGE					CENTRAL	ISSUE		WQTC	DISCHAGE - WATERS	AM	

Discharge Reporting:

Discharge Amount:	17,000 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	DUE TO HIGH FLOW IN CREEK NO CLEAN UP NEEDED
Control Zone:	SIGNS
Impact:	SOLIDS
Repair:	OPERATOR TURNED AIR OFF TO STOP BYPASSING OVER WEIR
Public Notification:	SIGNS

RESOLVED

Notifications:

11/23/15 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
11/23/15 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