



*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
Ken Carla WQTC; KPDES No.: KY 0022497
Discharge Monitoring Reports for December 2013.**

Dear Ms. Edwards:

Attached is the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Ken Carla WQTC; KPDES No.: KY0022497 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,

A handwritten signature in black ink, appearing to read "Kevin Thompson", written over a white background.

Kevin Thompson
Process Supervisor, East Region

KT/Ken Carla 12/13.

Enclosures

cc: T. Singleton
R. Shaw



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

DMR Copy of Record

Permit			
Permit #:	KY0022497	Permittee:	KEN CARLA WQTC MSD
Major:	No	Permittee Address:	8701 LYNNHALL CT LOUISVILLE, KY 40059
Permitted Feature:	001 External Outfall	Discharge:	001-1 SANITARY WASTEWATER
Facility:		Facility Location:	KEN CARLA WQTC MSD 8701 LYNNHALL CT LOUISVILLE, 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

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					=	7					19 - mg/L	0	01/01 - Daily	GR - GRAB
					Permit Req.					>=	2 INST MIN					19 - mg/L		01/30 - Monthly	GR - GRAB
					Value NODI														
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample	=	0.03	=	0.03	26 - lb/d	=	2	=	2	19 - mg/L	0	01/30 - Monthly	CP - COMPOS	
					Permit Req.	<=	2.5 30DA AVG	<=	5 DAILY MX	26 - lb/d	<=	30 30DA AVG	<=	60 DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS	
					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		01/30 - Monthly	GR - GRAB
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	0.12	=	0.12	26 - lb/d	=	11	=	11	19 - mg/L	0	01/30 - Monthly	CP - COMPOS	
					Permit Req.	<=	2.5 30DA AVG	<=	5 DAILY MX	26 - lb/d	<=	30 30DA AVG	<=	60 DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample	=	0.01	=	0.01	26 - lb/d	=	0.5	=	0.5	19 - mg/L	0	01/30 - Monthly	CP - COMPOS	
					Permit Req.	<=	1.67 30DA AVG	<=	3.34 DAILY MX	26 - lb/d	<=	20 30DA AVG	<=	40 DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS	
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample					=	0.2	=	0.2	19 - mg/L	0	01/30 - Monthly	CP - COMPOS		
					Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX		19 - mg/L	01/30 - Monthly	CP - COMPOS	
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.003	=	0.017	03 - MGD						0	99/99 - Continuous	IN - INSTAN	
					Permit Req.		Req Mon 30DA AVG		Req Mon INST MAX	03 - MGD					05/07 - Weekdays		IN - INSTAN		
					Value NODI														
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample					=	2	=	2	13 - #/100mL	0	01/30 - Monthly	GR - GRAB		
					Permit Req.					<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL		01/30 - Monthly	GR - GRAB		
					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_KENCARLA_coverletter.pdf	pdf	16275
201312_KENCARLA_bypassReport.pdf	pdf	36953
201312_KENCARLA_MOR.pdf	pdf	8140

Report Last Saved By
KEN CARLA 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		

Ken Carla		Report for	Dec-13			Tot. Exc.=						
Tot. Flow=		0.097638		Concentrations			0					
Date	Flow	TSS	BOD	NH3	Fecal	TSS	Pounds BOD	NH3	Tot. Phos.	D.O.	p.H.	
12/1/13	0.002									9.6	8.4	
12/2/13	0.002	11	2	0.45		0.190	0.035	0.008	0.249	8.1	7.4	
12/3/13	0.001				2					9.1	7.7	
12/4/13	0.002									8.5	7.3	
12/5/13	0.002									8.8	7.4	
12/6/13	0.000									8	7.1	
12/7/13	0.004									8.1	7.2	
12/8/13	0.003									8	7	
12/9/13	0.004									8.2	7.1	
12/10/13	0.003									8.1	7.1	
12/11/13	0.003									7.7	7.3	
12/12/13	0.002									8	7.4	
12/13/13	0.002									8.1	7.3	
12/14/13	0.005									8.2	7.4	
12/15/13	0.002									8	7.4	
12/16/13	0.002									7.7	7.2	
12/17/13	0.002									7.5	7	
12/18/13	0.001									7.9	7.3	
12/19/13	0.002									7.7	7.4	
12/20/13	0.003									8.2	7.5	
12/21/13	0.016									8	7.4	
12/22/13	0.017									7	7.3	
12/23/13	0.001									7.5	7.3	
12/24/13	0.002									7.4	7	
12/25/13	0.002									7.6	7.2	
12/26/13	0.002									7.5	7	
12/27/13	0.002									7.5	7	
12/28/13	0.002									7.7	7.1	
12/29/13	0.003									7.6	7.2	
12/30/13	0.002									8	7.4	
12/31/13	0.002											
Average	0.003	11	2	0.5	2.00	0	0.035	0.01	0.2	7.98	7	
Maximum	0.017	11	2	0.5	2.00	0	0.035	0.0	0.2	9.60	8	
Exceed.	2	0	0	0	0	0	0	0				



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

December 23, 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: Ken Carla WQTC- KPDES Permit: KY0022497

Dear Mr. Roth:


This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 AM on December 22, 2013, referencing Work Order 2085427 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: The treatment plant experienced a bypass when the effluent discharge pipe was obstructed with roots due to a break in the pipe. Approximately 38,250 gallons bypassed at the v-notch weir in the chlorine contact channel. The bypassed volume received full treatment. However, it was not discharged at the permitted discharge location.
- Period of noncompliance: Starting 11:30 AM on December 21, 2013 and stopping 01:00 PM on December 22, 2013.
- Steps taken or planned to reduce, eliminate and prevent recurrence: We hauled the plant to stop effluent flow on 12/22/13 and had a contractor jet rod the effluent discharge pipe. The contractor was unable to clear obstruction from effluent pipe. On 12/23/13, MSD personnel inspected the effluent pipe with a camera to determine the obstruction and was able to clear root obstruction.
- Additional comments: On 12/23/13, MSD had a contractor replace the effluent discharge pipe.

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@louisvillemسد.org.

Sincerely,



Kevin Thompson
Process Supervisor-Operations

cc: Courtney Seitz, KDEP
Paula Purifoy, MSD





Report Selections: Period: 12/01/2013 00:00 thru 12/31/2013 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
KY0022497	MSD0208	KEN CARLA	HARRODS CREEK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0208	8701 LYNNHALL CT		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	2085427		12/21/13 11:30 am	MARKS JR	OPS BSHIFT EAST	REPAIRED - ISSUE RESOLVED	12/21/2013	BYPASS AT WQTC	UNAUTHORIZED DISCHAGE - WATERS	12/22/13 01:00 PM	

Discharge Reporting:

Discharge Amount:	38,250 GAL
Cause:	Obstruction or blockage in plant effluent line caused an over flow of plant contact chamber
Clean Up:	no clean up needed
Control Zone:	msd posted signs to warn public and used caution tape.
Impact:	processed water overflowed contact chamber
Repair:	MSD used TV camera and root cutter to clear obstruction
Public Notification:	msd used signs to warn public

Notifications:

12/14/13 1:01 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
12/14/13 1:01 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'