



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

January 13, 2014

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

Re: MSD Metro Operations
Berrytown WQTC; KPDES No.: KY0036501
Discharge Monitoring Reports – December 2013

Dear Ms. Edwards:

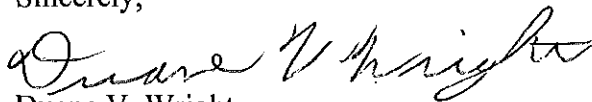
Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operating Report (MOR) for the Berrytown WQTC, KPDES No.: KY0036501 for the month of December 2013.

Also attached are bypass letters and overflow reports.

There were no exceedences.

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/Berrytown 12.13

Enclosures

cc: T. Singleton
R. Shaw



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

DMR Copy of Record

Permit			
Permit #:	KY0036501	Permittee:	BERRYTOWN WQTC MSD
Major:	No	Permittee Address:	1203 HEAFER RD LOUISVILLE, KY 40222
Permitted Feature:	001 External Outfall	Discharge:	001-2 SANITARY WASTEWATER
Facility:		Facility Location:	BERRYTOWN WQTC MSD 1203 HEAFER RD LOUISVILLE, KY 40222

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
 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:	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
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample	=	7				=	7				19 - mg/L	29/30 - 29 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				=	7			12 - SU	29/30 - 29 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	=	7.6	=	12.3	26 - lb/d	=	5	=	6	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	18.8 30DA AVG	<=	37.6 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	=	0.52	=	1	26 - lb/d	=	0.3	=	0.4	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	6.26 30DA AVG	<=	12.5 DAILY MX	26 - lb/d	<=	10 30DA AVG	<=	20 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	=	0.175	=	0.354	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	29/30 - 29 Per Month	GR - GRAB	
					Permit Req.						<=	.011 MO AVG	<=	.019 DAILY MX	19 - mg/L	01/07 - Weekly	GR - GRAB	
					Value NODI													
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample						=	6	=	14	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	=	5.9	=	7.4	26 - lb/d	=	4	=	6	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	18.8 30DA AVG	<=	37.6 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

Attachments		
Name	Type	Size
201312_BERRYTOWN_OverflowReport.pdf	pdf	74046
B-town122013_COVER.pdf	pdf	16877
B-town122013_MOR.pdf	pdf	24566
B-town1-12222013_bypass.pdf	pdf	22873
B-town3-12222013_bypass.pdf	pdf	22689

Report Last Saved By
BERRYTOWN WQTC MSD
 User: kevin.ries@louisvillemsd.org | Date/Time: 2014-01-21 08:56 (Time Zone: -05:00)
 Name: Kevin Ries

Berrytown		Report for		Dec-13		Tot. Exc.=		0					
Tot. Flow= Date	5.42194 Flow	Concentrations		Fecal		Pounds				D.O.	p.H.	TRC	
		TSS	BOD	NH3		TSS	BOD	NH3	Tot. Phos.				
12/1/13	0.093	4	6	0.39		3.102	4.653	0.302	0.92	9.4	6.9	0.01	
12/2/13	0.088				2					9.6	7.1	0.01	
12/3/13	0.087									9.4	7	0.01	
12/4/13	0.075									9.9	6.9	0.01	
12/5/13	0.118									9.6	6.8	0.01	
12/6/13	0.210									10	6.9	0.01	
12/7/13	0.234									9.5	7	0.01	
12/8/13	0.202	6	4	0.28		10.086	6.724	0.471	0.941	9.7	6.8	0.01	
12/9/13	0.187				10					9.9	7	0.01	
12/10/13	0.174									10	6.9	0.01	
12/11/13	0.155									9.6	6.7	0.01	
12/12/13	0.141									9.4	6.8	0.01	
12/13/13	0.132									9.9	6.7	0.01	
12/14/13	0.259									9.3	6.4	0.01	
12/15/13	0.296	5	3	0.39		12.336	7.402	0.962	0.888	9.5	6.9	0.01	
12/16/13	0.219				14					9.9	6.8	0.01	
12/17/13	0.185									9.4	6.9	0.01	
12/18/13	0.159									9	6.8	0.01	
12/19/13	0.145									8.8	6.9	0.01	
12/20/13	0.138									9.1	6.7	0.01	
12/21/13	0.120									9.3	6.8	0.01	
12/22/13	0.031												
12/23/13	0.354									7.1	7.2	0.01	
12/24/13	0.281									7.6	7.2	0.01	
12/25/13	0.231									9.1	7	0.01	
12/26/13	0.197	3	3	0.22		4.920	4.920	0.361	0.36	9.2	6.9	0.01	
12/27/13	0.171				4					8.9	7	0.01	
12/28/13	0.152									9.1	7.2	0.01	
12/29/13	0.219									8.8	6.9	0.01	
12/30/13	0.200									9.4	6.8	0.01	
12/31/13	0.171									9.6	6.7	0.01	
Average	0.175	5	4	0.3	5.79	8	5.925	0.52	0.8	9.30	7	0.01	
Maximum	0.354	6	6	0.4	14.00	12	7.402	1.0	0.9	10.00	7	0.01	
Exceed.	29	0	0	0	0	0	0	0					



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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: Berrytown WQTC- KPDES Permit: KY0036501


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 2085476 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 due to rain event elevated water levels in plant #3. Approximately 11,525 gallons overflowed plant #3 clarifier and bypassed disinfection treatment process. The bypassed volume did receive preliminary and secondary treatment. The plant design flow is 0.075 MG. The peak flow during the duration of the bypass exceeded the maximum flow meter capacity. The maximum flow meter capacity is 0.430 MG.
- Period of noncompliance: Starting 06:00 PM on December 21, 2013 and stopping 08:25 AM on December 23, 2013.
- Steps taken or planned to reduce, eliminate and prevent recurrence: If operational needs for resources allow, in the event of a heavy rain event, MSD will haul water from the plant.
- Additional comments: This treatment plant is scheduled to be off line by December 31, 2015.

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



Report Selections: Period: 12/01/2013 00:00 thru 12/31/2013 23:59, treatment Plant: MSD0209 BERRYTOWN, 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
KY0036501	MSD0209	BERRYTOWN	FLOYDS FORK	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0209	1203 HEAFER RD		FLOYDS FORK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2085476		12/21/13 6:00 pm	MARKS JR	OPS CSHIFT	DOCUMENTED	02/02/2011	BYPASS AT WQTC	UNAUTHORIZED DISCHAGE - WATERS	12/23/13 08:25 AM	

Discharge Reporting:

Discharge Amount:	11,525 GAL
Cause:	lack of system capacity caused by rain event made plant level rise to area where a hole was in clarifier
Clean Up:	msd cleaned and sanitized area
Control Zone:	msd used tape and signs to warn public
Impact:	sewage on ground
Repair:	msd made repairs to hole in top of clarifier
Public Notification:	msd used tape and 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'



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

Re: Bypass Report for the: Berrytown WQTC- KPDES Permit: KY0036501


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 2085477 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 due to rain event elevated water levels in plant #1. Approximately 11,525 gallons overflowed plant #1 clarifier and bypassed disinfection treatment process. The bypassed volume did receive preliminary and secondary treatment. The plant design flow is 0.075 MG. The peak flow during the duration of the bypass exceeded the maximum flow meter capacity. The maximum flow meter capacity is 0.430 MG.
- Period of noncompliance: Starting 06:00 PM on December 21, 2013 and stopping 08:25 AM on December 23, 2013.
- Steps taken or planned to reduce, eliminate and prevent recurrence: If operational needs for resources allow, in the event of a heavy rain event, MSD will haul water from the plant.
- Additional comments: This treatment plant is scheduled to be off line by December 31, 2015.

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



Report Selections: Period: 12/01/2013 00:00 thru 12/31/2013 23:59, treatment Plant: MSD0209 BERRYTOWN, 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
KY0036501 (Cont'd)	MSD0209	BERRYTOWN	FLOYDS FORK	CENT

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2085477		12/21/2013 6:00:00PM	OPS CSHIFT	MARKS JR	DOCUMENTED	02/02/2011	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	12/23/13 08:25 AM	

Discharge Reporting:

Discharge Amount:	11,525 GAL
Cause:	lack of system capacity caused by rain event made plant level rise to area where a hole was in clarifier
Clean Up:	msd cleaned and sanitized area
Control Zone:	msd used tape and signs to warn public
Impact:	sewage leaking from clarifier
Repair:	msd made repairs to clarifier
Public Notification:	msd used tape and 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'

Total Facilities Printed: 1

Total Work Orders Printed: 2