



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

February 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 – January 2014**

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 January 2014.

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,

A handwritten signature in cursive script that reads "Duane V. Wright".

Duane V. Wright
Process Supervisor Central Region

DVW/Berrytown 01.14

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 01/01/14 to 01/31/14	DMR Due Date:	04/28/14
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			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample	=	9								19 - mg/L	28/30 - 28 Per Month 01/07 - Weekly	GR - GRAB
					Permit Req.	>=	7 INST MIN								19 - mg/L		
					Value NODI												
00400	pH	1 - Effluent Gross	0	--	Sample	=	7				=	7		12 - SU	28/30 - 28 Per Month 01/07 - Weekly	GR - GRAB	
					Permit Req.	>=	6 MINIMUM			<=	9 MAXIMUM			12 - SU			
					Value NODI												
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	4.1	=	5.5	26 - lb/d	=	4	=	5	19 - mg/L	01/07 - Weekly 01/07 - Weekly	CP - COMPOS CP - COMPOS
					Permit Req.	<=	18.8 30DA AVG	<=	37.6 DAILY MX	26 - lb/d	<=	30 30DA AVG	<=	60 DAILY MX	19 - mg/L		
					Value NODI												
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	0.36	=	0.5	26 - lb/d	=	0.3	=	0.5	19 - mg/L	01/07 - Weekly 01/07 - Weekly	CP - COMPOS CP - COMPOS
					Permit Req.	<=	6.26 30DA AVG	<=	12.5 DAILY MX	26 - lb/d	<=	10 30DA AVG	<=	20 DAILY MX	19 - mg/L		
					Value NODI												
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.153	=	0.287	03 - MGD						99/99 - Continuous 99/99 - Continuous	CN - CONTIN CN - CONTIN
					Permit Req.		Req Mon 30DA AVG		Req Mon INST MAX	03 - MGD							
					Value NODI												
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample						<	0.01	<	0.01	19 - mg/L	01/01 - Daily 01/07 - Weekly	GR - GRAB GR - GRAB
					Permit Req.						<=	.011 MO AVG	<=	.019 DAILY MX	19 - mg/L		
					Value NODI												
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample						=	3	=	6	13 - #/100mL	01/07 - Weekly 01/07 - Weekly	GR - GRAB GR - GRAB
					Permit Req.						<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL		
					Value NODI												
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	4	=	5.2	26 - lb/d	=	4	=	4	19 - mg/L	01/07 - Weekly 01/07 - Weekly	CP - COMPOS CP - COMPOS
					Permit Req.	<=	18.8 30DA AVG	<=	37.6 DAILY MX	26 - lb/d	<=	30 30DA AVG	<=	60 DAILY MX	19 - mg/L		
					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
BTOWN012014_COVER.pdf	pdf	15718
201401_BERRYTOWNWQTC_OverflowReport.pdf	pdf	74336
Btown012014_MOR.pdf	pdf	24495
Berrytown_one112014.pdf	pdf	20992
Berrytown_two112014.pdf	pdf	20430

Report Last Saved By
BERRYTOWN WQTC MSD
 User: kevin.ries@louisvillemsd.org | Date/Time: 2014-02-21 09:21 (Time Zone: -05:00)
 Name: Kevin Ries

Berrytown		Report for		Jan-14		Tot. Exc.=		0					
Tot. Flow=	4.74652	Concentrations				Pounds							
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC	
1/1/14	0.155	2	4	0.28		2.589	5.179	0.363	0.841	10	7	0.01	
1/2/14	0.162				2					10	7.1	0.01	
1/3/14	0.156									9.8	7	0.01	
1/4/14	0.142									10	7	0.01	
1/5/14	0.193									9.9	6.8	0.01	
1/6/14	0.287									9.6	6.9	0.01	
1/7/14	0.201									9.4	6.8	0.01	
1/8/14	0.133	5	3	0.34		5.549	3.329	0.377	0.811	9.8	7	0.01	
1/9/14	0.110				6					9.5	7.2	0.01	
1/10/14	0.102									9.3	7.1	0.01	
1/11/14	0.243											0.01	
1/12/14	0.279											0.01	
1/13/14	0.225									9	7	0.01	
1/14/14	0.252									9.6	7.1	0.01	
1/15/14	0.207									9.3	7.3	0.01	
1/16/14	0.175									9.5	7	0.01	
1/17/14	0.154									9.6	7.4	0.01	
1/18/14	0.142									9.3	7	0.01	
1/19/14	0.133									9.1	7	0.01	
1/20/14	0.129	4	4	0.45		4.313	4.313	0.485	0.659	10	6.8	0.01	
1/21/14	0.121				2					9.6	7.1	0.01	
1/22/14	0.121	4	3	0.22		4.037	3.027	0.222	0.772	9.9	7	0.01	
1/23/14	0.112				4					9.5	7.1	0.01	
1/24/14	0.106									9.9	7	0.01	
1/25/14	0.112									9.8	7	0.01	
1/26/14	0.108									9.5	7.1	0.01	
1/27/14	0.112									9.6	7.1	0.01	
1/28/14	0.101									9.9	7	0.01	
1/29/14	0.096									10	7	0.01	
1/30/14	0.092									11	7.2	0.01	
1/31/14	0.086									11	7.3	0.01	
Average	0.153	4	4	0.3	3.13	4	3.962	0.36	0.8	9.74	7	0.01	
Maximum	0.287	5	4	0.5	6.00	6	5.179	0.5	0.8	11.00	7	0.01	
Exceed.	31	0	0	0	0	0	0	0					



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

January 13, 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: 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 PM on January 11, 2014, referencing Work Order 2095063 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 #1 treatment plant experienced a bypass when a heavy rain event caused elevated water levels in plant clarifier weirs. The bypassed flow received preliminary and secondary treatment. Because of the elevated levels in the tanks, water flowed out of cuts for air piping in walls between aeration tank and clarifiers. Air to aeration tank was shut off prior to bypass. Approximately 28,700 gallons overflowed. This plant is designed for 0.075 MGD. The approximate total plant flow for January 11 was 0.243408 MGD.
- Period of noncompliance: Starting 02:30 AM on January 11, 2014 and stopping 09:38 PM on January 11, 2014.
- Steps taken or planned to reduce, eliminate and prevent recurrence: If operational needs for resources allow, in the event of heavy rain, MSD will haul water from the plant.
- Additional comments: Plant is to be eliminated in 2015.

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@louisvillemsd.org.

Sincerely,

Duane V. Wright
Process Supervisor-Operations

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



Report Selections: Period: 01/01/2014 00:00 thru 01/31/2014 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	2095063		1/11/14 2:30 am	MARKS JR	OPS ASHIFT	DOCUMENTED	02/02/2011	BYPASS AT WQTC	UNAUTHORIZED DISCHAGE - WATERS	01/11/14 09:38 PM	

Discharge Reporting:

Discharge Amount:	28,700 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	DEBRIS OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TEMPORARY SIGNS POSTED AROUND THE AFFECTED AREA

Notifications:

1/10/14 1:01 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
1/10/14 1:01 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'



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

January 13, 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: Berrytown WQTC- KPDES Permit: KY0036501

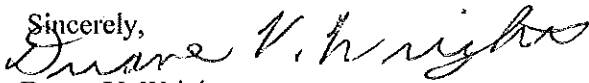
Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on January 11, 2014, referencing Work Order 2095073 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 #2 treatment plant experienced a bypass when a heavy rain event caused elevated water levels in plant clarifier weirs. The bypassed flow received preliminary and secondary treatment. Because of the elevated levels in the tanks, water flowed out of cuts for air piping in walls between aeration tank and clarifiers. Air to aeration tank was shut off prior to bypass. Approximately 18,700 gallons overflowed. This plant is designed for 0.075 MGD. The approximate total plant flow for January 11 was 0.243408 MGD.
- Period of noncompliance: Starting 09:10 AM on January 11, 2014 and stopping 09:38 PM on January 11, 2014.
- Steps taken or planned to reduce, eliminate and prevent recurrence: If operational needs for resources allow, in the event of heavy rain, MSD will haul water from the plant.
- Additional comments: Plant is to be eliminated in 2015.

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@louisvillemsd.org.

Sincerely,

Duane V. Wright
Process Supervisor-Operations

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



Report Selections: Period: 01/01/2014 00:00 thru 01/31/2014 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	2095073		1/11/2014 9:10:00AM	OPS BSHIFT CENTRAL	MARKS JR	DOCUMENTED	02/02/2011	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	01/11/14 09:38 PM	

Discharge Reporting:

Discharge Amount:	18,700 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	DEBRIS OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TEMPORARY SIGNS POSTED AROUND THE AFFECTED AREA

Notifications:

1/10/14 1:01 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
1/10/14 1:01 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: 2