



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

June 20, 2013

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 – May 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 May 2013.

Also attached are a bypass letter and overflow report.

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 05.13

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 05/01/13 to 05/31/13	DMR Due Date:	07/28/13
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:	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.	>=	7 INST MIN											19 - mg/L	0	01/07 - Weekly	GR - GRAB	
					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	0	01/07 - Weekly	GR - GRAB	
					Value NODI																	
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	2.6	=	3.6	26 - lb/d		=	3	=	3	19 - mg/L	0	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	0	01/07 - Weekly	CP - COMPOS			
					Value NODI																	
00610	Nitrogen, ammonia total (as N)	1 - Effluent Gross	1	--	Sample	=	0.3	=	0.4	26 - lb/d		=	0.3	=	0.5	19 - mg/L	0	01/07 - Weekly	CP - COMPOS			
					Permit Req.	<=	2.5 30DA AVG	<=	5 DAILY MX	26 - lb/d		<=	4 30DA AVG	<=	8 DAILY MX	19 - mg/L	0	01/07 - Weekly	CP - COMPOS			
					Value NODI																	
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.13	=	0.31	03 - MGD							0	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	0	01/01 - Daily	GR - GRAB			
					Permit Req.							<=	.011 MO AVG	<=	.019 DAILY MX	19 - mg/L	0	01/07 - Weekly	GR - GRAB			
					Value NODI																	
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample							=	3	=	5	13 - #/100mL	0	01/07 - Weekly	GR - GRAB			
					Permit Req.							<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL	0	01/07 - Weekly	GR - GRAB			
					Value NODI																	
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	7.2	=	8.3	26 - lb/d		=	7	=	8	19 - mg/L	0	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	0	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
B-town05112013_bypass.pdf	pdf	20173
B-TOWN052013_MOR.pdf	pdf	16611
B-town05112013_overflowpt.pdf	pdf	24490
Berrytown052013_cover.pdf	pdf	82857

Report Last Saved By
BERRYTOWN WQTC MSD

User:	kevin.ries@louisvillemtd.org	Date/Time:	2013-06-27 11:18 (Time Zone: -04:00)
Name:	kevin ries		
E-Mail:	kevin.ries@louisvillemtd.org		



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Louisville Kentucky 40203-1911
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May 13, 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 STP MSD0209A – 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 May 11, 2013, referencing Work Order 1690036 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 a heavy rain event caused elevated water levels in clarifier weirs. The bypassed flow received preliminary and secondary treatment. Because of the elevated levels in the tanks, water overflowed clarifiers. Approximately 143,100 gallons overflowed. The approximate total plant flow for May 11 was .138 MGD and .310 MGD for May 12.
- Period of noncompliance: Starting 08:51 AM on May 11, 2013 and stopping 08:00 AM on May 12, 2013.
- 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.

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 Seiz, KDEP
Paula Purifoy, Wes Sydnor, Kevin Ries, Robert Bates - MSD
eB File





Report Selections: Last Full Month: 05/2013, Excluding PPI Excluding CSO Excluding LAT, Prob Code: BYPAS, 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	1907786	1690036	05/11/2013	MARKS JR	OPS BSHIFT CENTRAL	DOCUMENTED	02/02/2011	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/12/13 08:00 AM	

Discharge Reporting:

Discharge Amount:	136,200 GAL
Cause:	PLANT BYPASS REPORTE OF 100GPM FLOW RATE AT 08:51 HRS FROM AERATION TANK AT PLANT DUE TO HIGH FLOW RATE FROM RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMP SIGNS POSTED
Impact:	SEWAGE AND DEBRIS OBSERVED
Repair:	MSD MAINTENANCE WILL REAPIR TANK
Public Notification:	MSD USED SIGNS TO WARN THE PUBLIC

Notifications:

5/11/13 1:00 am	DISNOT	Email notification of unauthorized discharge sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov
5/11/13 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov