



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

March 17, 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 – February 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 February 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 02.14

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 02/01/14 to 02/28/14	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				Value 3	Units
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample	=	7									19 - mg/L	27/30 - 27 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	=	7				=	8			12 - SU	28/30 - 28 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	=	16.1	=	21.6	26 - lb/d	=	9	=	12	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	=	0.3	=	0.5	26 - lb/d	=	0.2	=	0.2	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	=	0.202	=	0.396	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	28/30 - 28 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						=	8	=	30	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	=	7.4	=	10.7	26 - lb/d	=	4	=	5	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
Berrytown022014_cover.pdf	pdf	17186
Berrytown022014_MOR.pdf	pdf	23405
Berrytown02052014_bypassltr.pdf	pdf	21263
201402_BERRYTOWNWQTC_OverflowReport.pdf	pdf	71078

Report Last Saved By
BERRYTOWN WQTC MSD

User:	kevin.ries@louisvillemsd.org	Date/Time:	2014-03-19 15:01 (Time Zone: -04:00)
Name:	Kevin Ries		
E-Mail:	kevin.ries@louisvillemsd.org		

Berrytown		Report for Feb-14			Tot. Exc.= 0							
Tot. Flow= Date	5.65975 Flow	TSS	Concentrations BOD NH3		Fecal	TSS	Pounds BOD NH3		Tot. Phos.	D.O.	p.H.	TRC
2/1/14	0.097									10	7.4	<0.010
2/2/14	0.197											<0.010
2/3/14	0.190									11	7.3	<0.010
2/4/14	0.201									10	7.5	<0.010
2/5/14	0.248											7.7 <0.010
2/6/14	0.309									7.3	7.2	<0.010
2/7/14	0.256	10	5	0.22	30	21.334	10.667	0.469	0.566	7.9	7.3	<0.010
2/8/14	0.237									11	7.6	<0.010
2/9/14	0.216	12	4	0.22		21.648	7.216	0.397	0.494	11	7.4	<0.010
2/10/14	0.190				12					11	7.3	<0.010
2/11/14	0.135									11	7.2	<0.010
2/12/14	0.107									10	7.3	<0.010
2/13/14	0.100									11	7.1	<0.010
2/14/14	0.135									11	7.2	<0.010
2/15/14	0.178									11	7.4	<0.010
2/16/14	0.155	5	4	0.11		6.444	5.155	0.142	0.952	10	7.2	<0.010
2/17/14	0.216				3					10	7.5	<0.010
2/18/14	0.396											<0.010
2/19/14	0.355									7.6	7.3	<0.010
2/20/14	0.291									8.4	7.4	<0.010
2/21/14	0.316									7.9	7.3	<0.010
2/22/14	0.237									8.3	7.1	<0.010
2/23/14	0.200	9	4	0.11		15.026	6.678	0.184	0.373	8.9	7.3	<0.010
2/24/14	0.169				4					9.6	7.4	<0.010
2/25/14	0.151									9.1	7.2	<0.010
2/26/14	0.138									9.3	7	<0.010
2/27/14	0.127									9.9	7.1	<0.010
2/28/14	0.113									9.5	7	<0.010
3/1/14												
3/2/14												
3/3/14												
Average	0.202	9	4	0.2	8.11	16	7.429	0.30	0.6	9.67	7	0.00
Maximum	0.396	12	5	0.2	30.00	22	10.667	0.5	1.0	11.00	8	0.00
Exceed.	28	0	0	0	0	0	0	0				



700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
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February 5, 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

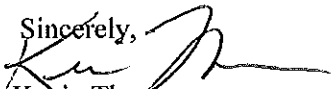
Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on February 05, 2014, referencing Work Order 2107935 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: On February 5, 2014, MSD personnel found Berrytown WQTC #1 plant bypassing to waters of the U.S. between the aeration tank and the secondary clarifier. The cause of the bypass was due to lack of system capacity. Approximately 3,175 gallons bypassed secondary treatment and disinfection treatment. However, it did receive full preliminary treatment. The plant SOP was followed. The secondary aeration was shut off prior to the bypass to reduce the volume of solids bypassing. Peak flow during this event was 0.430 MGD. Plant flow during this bypass was 0.118 MG. The plant design flow is 0.075 MG.
- Period of noncompliance: Starting 08:30 AM on February 05, 2014 and stopping 07:05 PM on February 05, 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: This treatment plant is scheduled to be eliminated 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



Mr. Charlie Roth, District Supervisor
KY Division of Water
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Report Selections: Period: 02/01/2014 00:00 thru 02/28/2014 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	2107935		2/5/14 8:30 am	SINGLETON	OPS BSHIFT CENTRAL	DOCUMENTED	02/02/2011	BYPASS AT WQTC	UNAUTHORIZED DISCHAGE - WATERS	02/05/14 07:05 PM	

Discharge Reporting:

Discharge Amount:	3,175 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO WEATHER EVENT
Clean Up:	NO DEBRIS
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	DECREASE FLOW
Public Notification:	TEMPORARY SIGNS POSTED AROUND AFFECTED AREA

Notifications:

1/30/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemad.org, Sayre.Dennis@epamail.epa.gov'
1/30/14 1:00 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemad.org, Sayre.Dennis@epamail.epa.gov'

Total Facilities Printed: 1

Total Work Orders Printed: 1