



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

February 8, 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 – January 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 January 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,

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

Duane V. Wright
Process Supervisor Central Region

DVW/Berrytown 01.13

Enclosures

cc: T. Singleton
R. Shaw



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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME: CEDAR CREEK WQTC
ADDRESS: 8405 CEDAR CREEK RD
LOUISVILLE, KY 40211
FACILITY: BERRYTOWN WQTC MSD
LOCATION: 1203 HEAFER RD
LOUISVILLE, KY 40222
ATTN: KEVIN RIES

KY0036501	001-2
PERMIT NUMBER	DISCHARGE NUMBER

DMR Mailing ZIP CODE: 40211
MINOR
(SUBR LV) JEFFE
SANITARY WASTEWATER
External Outfall

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
FROM 01/01/2013	TO	01/31/2013	

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
00300 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	8	*****	*****		0	1/1	GR
	PERMIT REQUIREMENT	*****	*****	*****	7 INST MIN	*****	*****	mg/L		Weekly	GRAB
00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	7	*****	8		0	1/1	GR
	PERMIT REQUIREMENT	*****	*****	*****	6 MINIMUM	*****	9 MAXIMUM	SU		Weekly	GRAB
00530 1 0 Effluent Gross	SAMPLE MEASUREMENT	3.0	4.3		*****	3	3		0	1/7	CP
	PERMIT REQUIREMENT	18.8 30DA AVG	37.6 DAILY MX	lb/d	*****	30 30DA AVG	60 DAILY MX	mg/L		Weekly	COMPOS
00610 1 2 Effluent Gross	SAMPLE MEASUREMENT	0.41	0.5		*****	0.4	0.5		0	1/7	CP
	PERMIT REQUIREMENT	6.26 30DA AVG	12.5 DAILY MX	lb/d	*****	10 30DA AVG	20 DAILY MX	mg/L		Weekly	COMPOS
50050 1 0 Effluent Gross	SAMPLE MEASUREMENT	0.146	0.286		*****	*****	*****	*****	0	CN	CN
	PERMIT REQUIREMENT	Req. Mon. 30DA AVG	Req. Mon. INST MAX	MGD	*****	*****	*****	*****		Continuous	CONTIN
50060 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	20.010	20.010		0	1/1	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	.011 MO AVG	.019 DAILY MX	mg/L		Weekly	GRAB
74055 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	4	8		0	1/7	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	200 30DA GEO	400 7 DA GEO	#/100mL		Weekly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER GREG HEFFEMAN EX DIR. TYPED OR PRINTED	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Kevin Ries</i>	TELEPHONE	DATE	
			502 540 4000	02/21/2013	
			AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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.

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No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
80082 1 0 Effluent Gross	SAMPLE MEASUREMENT	4.9	5.1		*****	4	5		0	1/7	CP
	PERMIT REQUIREMENT	18.8 30DA AVG	37.6 DAILY MX	lb/d	*****	30 30DA AVG	60 DAILY MX	mg/L		Weekly	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <i>GREG HEITZMAN</i> EX. DIR TYPED OR PRINTED	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>[Signature]</i>	TELEPHONE	DATE
			AREA Code	NUMBER
			502 5406000	02/21/2013

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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.

Berrytown		Report for	Jan-13			Tot. Exc.=	0			
Tot. Flow=	4.51648		Concentrations					Pounds		
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	
1/1/13	0.171	3	5	0.28		4.27	7.11	0.40	1.05	
1/2/13	0.161				8					
1/3/13	0.142									
1/4/13	0.119									
1/5/13	0.105									
1/6/13	0.105									
1/7/13	0.089									
1/8/13	0.087	2	5	0.45		1.45	3.63	0.33	1.3	
1/9/13	0.078				2					
1/10/13	0.081									
1/11/13	0.161									
1/12/13	0.156									
1/13/13	0.130									
1/14/13	0.286									
1/15/13	0.286									
1/16/13	0.250									
1/17/13	0.214	2	3	0.28		3.58	5.37	0.50	0.59	
1/18/13	0.177				8					
1/19/13	0.162									
1/20/13	0.141									
1/21/13	0.124									
1/22/13	0.106	3	4	0.45		2.65	3.53	0.40	0.725	
1/23/13	0.103				2					
1/24/13	0.096									
1/25/13	0.089									
1/26/13	0.090									
1/27/13	0.082									
1/28/13	0.087									
1/29/13	0.102									
1/30/13	0.283									
1/31/13	0.254									
Average	0.146	2.50	4.25	0.37	4.00	2.99	4.91	0.41	0.92	
Maximum	0.286	3.00	5.00	0.45	8.00	4.27	7.11	0.50	1.30	



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January 16, 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:

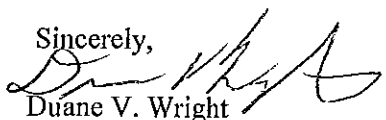
This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on January 13, 2013, referencing Work Order 1623301 as a wet weather discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: On January 13, 2013 due to increased plant flow caused by storm event, the plant aeration basin overflowed, resulting in a wet weather bypass to waters of U.S. Approximately 303,750 gallons overflowed. The design flow to this plant is 0.075 MGD. The peak plant flow during this bypass was 0.430 MGD. The total plant flow for this event cannot be calculated due to the effluent flow exceeding the maximum level for the effluent flow meter probe to read correctly. The total plant flow for the day was approximately 0.286 MGD.
- Period of noncompliance: Starting 04:45 PM on January 13, 2013 and stopping 12:30 PM on January 14, 2013.
- Steps taken or planned to reduce, eliminate and prevent recurrence: If operational needs for resources allow, 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





Initiated Jan 01, 2013 12:00 AM thru Jan 31, 2013 11:59 PM

Report Selections: Excluding PPI, CSO, Excluding LAT and SSL, Result: WUS, Act Code: DISDW, DISREV

KPDES # KY0036501	Facility ID MSD0209	Water Quality Treatment Center BERRYTOWN	Receiving Stream of Treatment Center FLOYDS FORK	Region CENT
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Facility Type SPL Sewer Treatment Plant	Facility ID MSD0209	Facility Address 1203 HEAFER RD	If Pump Station, Name of Pump Station:	Receiving Stream FLOYDS FORK	Discharge to STREAM
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Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	1623301	01/13/13 04:45 PM	MARKS JR	OPS BSHIFT CENTRAL	DOCUMENTED	02/02/11	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATER S	01/14/13 12:30 PM	

Spot Inspections:

Discharge Amount:	303,750 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS PLACED
Impact:	SOLIDS OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR

Notifications:

01/13/13 05:18 PM	DISPUB	msd used temp signs to warn public
01/13/13 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov and LisaA.Jeffries@ky.gov
01/13/13 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov