



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

April 28, 2011

Ms. Crystal Thompson
Kentucky Division of Water
200 Fair Oaks Lane
Frankfort, Kentucky 40601

**Re: MSD Metro Operations
Berrytown WQTC; KPDES No.: KY0036501
Discharge Monitoring Reports – March 2011**

Dear Ms. Thompson:

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operating Report (MOR) for the Berrytown WQTC, KPDES No.: KY0036501 for the month of March 2011.

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 3.11

Enclosures

cc: C. Roth (DOW Louisville)
T. Singleton
R. Shaw



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

NAME BERRYTOWN WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 8405 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY BERRYTOWN WQTC MSD
 LOCATION LOUISVILLE KY 40222
 ATTN: DENNIS THOMASSON, SR METRO OPS

KY0036501	001 2
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
11	03	01		11	03	01

MINOR (SUBR LV)
 F - FINAL JEFFE
 SANITARY WASTEWATER EFFLUENT
 *** NO DISCHARGE [] ***
 NOTE: Read Instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN, DISSOLVED (DO) 00300 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****		8	*****	*****	(19)	0	1/2	GR
	PERMIT REQUIREMENT	*****	*****	****	7	*****	*****				
				****	INST MIN			MG/L			
PH 00400 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****		7.1	*****	7.6	(12)	0	1/2	LR
	PERMIT REQUIREMENT	*****	*****	****	8.0	*****	9.0				
				****	MINIMUM		MAXIMUM	EU			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	*****	3.2	5.1	(26)	*****	4	7	(19)	0	1/2	CP
	PERMIT REQUIREMENT	18.8	27.8		*****	30	80				
		30DA AVG	DAILY MX	LBS/DY		30DA AVG	DAILY MX	MG/L			
NITROGEN, AMMONIA TOTAL (AS-N) 00610 1 2 0 EFFLUENT GROSS VALUE	*****	0.28	0.4	(26)	*****	0.3	0.6	(17)	0	1/2	CP
	PERMIT REQUIREMENT	8.26	12.5		*****	10	20				
		30DA AVG	DAILY MX	LBS/DY		30DA AVG	DAILY MX	MG/L			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	*****	6.140	0.311	(03)	*****	*****	*****		0	CN	CN
	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	****			
		30DA AVG	INST MAX	MGD				****			
CHLORINE, TOTAL RESIDUAL 50060 1 0 1 EFFLUENT GROSS VALUE	*****	*****	*****		*****	20.010	20.010	(17)	0	1/2	GR
	PERMIT REQUIREMENT	*****	*****	****	*****	0.011	0.017				
				****		MG AVG	DAILY MX	MG/L			
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****		*****	2	5	(15)	0	1/2	GR
	PERMIT REQUIREMENT	*****	*****	****	*****	200	400	#/			
				****		30DA GED	7 DA GED	100ML			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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.	TELEPHONE	DATE			
H.S. Schardein, Jr. Exec. Director TYPED OR PRINTED			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	502 540-6000	11	4
		AREA CODE	NUMBER	YEAR	MO	DAY

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

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

NAME BERRYTOWN WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 2405 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY BERRYTOWN WQTC MSD
 LOCATION LOUISVILLE KY 40222
 ATTN: DENNIS THOMASSON, SR METRO OPS

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

KY0036501 PERMIT NUMBER
 001 2 DISCHARGE NUMBER

MINOR (SUBR LV)
 7 - FINAL
 SANITARY WASTEWATER EFFLUENT
 *** NO DISCHARGE ***

JEFFE

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
11	03	01		11	03	03

NOTE: Read Instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, CARBONACEOUS 05 DAY, 20C BOD5 1 0 0 EFFLUENT GROSS VALUE		3.8	6.3	(26)	*****	4	5	(19)		1/7	CP
	PERMIT REQUIREMENT	12.8 30DA AVG	37.5 DAILY MX	LBS/DY	*****	30 30DA AVG	50 DAILY MX	MG/L		WEEKLY	COMPLE
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 H.J. Schardin, Jr.
 Exec. Director
 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.

Dennis Thomasson, Sr.
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 502 540-6100
 DATE 11 4 26
 AREA CODE NUMBER YEAR MO DAY

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

Berrytown		Report for	Mar-11		Tot. Exc.=		0			
Tot. Flow= Date	Flow	TSS	Concentrations		Fecal	TSS	Pounds		NH3	Tot. Phos.
			BOD	NH3			BOD			
3/1/11	0.283									
3/2/11	0.205									
3/3/11	0.151	3	5	0.22	2	3.778	6.297	0.277	0.3	
3/4/11	0.126									
3/5/11	0.255									
3/6/11	0.311									
3/7/11	0.206									
3/8/11	0.159	2	3	0.28		2.652	3.978	0.371	0.567	
3/9/11	0.086									
3/10/11	0.23									
3/11/11	0.284				3					
3/12/11	0.225									
3/13/11	0.171									
3/14/11	0.158									
3/15/11	0.088	7	5	0.11	5	5.137	3.670	0.081	0.402	
3/16/11	0.145									
3/17/11	0.147									
3/18/11	0.123									
3/19/11	0.12									
3/20/11	0.111									
3/21/11	0.097									
3/22/11	0.082	2	2	0.56	1	1.368	1.368	0.383	1.25	
3/23/11	0.098									
3/24/11	0.076									
3/25/11	0.068									
3/26/11	0.067									
3/27/11	0.063									
3/28/11	0.054									
3/29/11	0.057									
3/30/11	0.052									
3/31/11	0.051									
Average	0.140	3.50	3.75	0.29	2.34	3.23	3.83	0.28	0.63	
Maximum	0.311	7.00	5.00	0.56	5.00	5.14	6.30	0.38	1.25	



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

March 11, 2011

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:

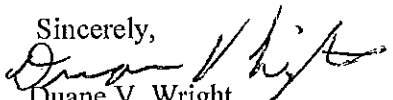
This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on March 09, 2011, referencing Work Order 1220235 as a Rain event discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: On March 9, 2011, due to increased plant flow caused by a rain event, the plant overflowed, resulting in a wet weather bypass to waters of the U.S. Plant Aeration was shut off prior to bypass. Approximately 143,250 gallons overflowed. The design flow to this plant is 0.075 MGD. The peak plant flow during this bypass cannot be calculated correctly as the flow exceeded the flow meter measurement capacity.
- Period of noncompliance: Starting 07:55 AM on March 09, 2011 and stopping 03:45 PM on March 10, 2011.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD will haul water from plant if resources are available.

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 wrightd@msdlouky.org.

Sincerely,


Duane V. Wright
Process Supervisor-Operations

cc: Gary Levy, KDEP
Paula Purifoy, Wes Sydnor, Kevin Ries, Robert Bates - MSD
eB File





Report Selections: Excluding PPI, CSO, Excluding LAT and SSL, Prob Code: BYPAS, 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	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

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	1220235	03/09/11 07:55 AM	ELDER	WRIGHT	DOCUMENTED	02/02/11	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	03/10/11 03:45 PM	

Spot Inspections:

Discharge Amount:	143,250 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	PERMANENT & TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP

Notifications:

03/09/11 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
03/09/11 01:00 AM	DISSNO	Supplemental Email notification of unauthorized discharge, has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
03/09/11 08:00 AM	DISPUB	PERMANENT & TEMPORARY SIGNS POSTED