

MSD

Metropolitan Sewer District

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

June 23, 2011

Ms. Cheryl Edwards
Kentucky Division of Water
200 Fair Oaks Lane, 4th Floor
Frankfort, Kentucky 40601

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

Dear Ms. Edwards:

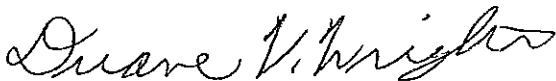
Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operating Report (MOR) for the Berrytown WQTC, KPDES No.: KY0036501 for the month of May 2011.

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,



Duane V. Wright
Process Supervisor Central Region

DVW/Berrytown 5.11

Enclosures

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



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

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

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

MINOR
(SUBR LV)
F - FINAL
SANITARY WASTEWATER
EFFLUENT

JETTE

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
PERMIT NUMBER

001 2
DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
11	05	01		11	05	31

*** 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	*****	*****	*****	*****	7	*****	*****	(19)	0	0%07	GR
	PERMIT REQUIREMENT	*****	*****	*****	7	*****	*****	INST MIN		WEEKLY	GRAB
PH 00400 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	6.8	*****	6.9	(12)	0	0%07	GR
	PERMIT REQUIREMENT	*****	*****	*****	6.0	*****	9.0	MINIMUM MAXIMUM		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	*****	2.8	4.1	(26)	*****	3	4	(19)	0	0%07	CP
	PERMIT REQUIREMENT	12.5	37.6	LBS/DY	*****	30	60	30DA AVG DAILY MX		WEEKLY	PURPOSE
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 1 0 EFFLUENT GROSS VALUE	*****	0.25	0.46	(26)	*****	0.3	0.3	(19)	0	0%07	CP
	PERMIT REQUIREMENT	2.50	5.00	LBS/DY	*****	5	8	30DA AVG DAILY MX		WEEKLY	PURPOSE
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	*****	0.195	0.929	(03)	*****	*****	*****	*****	0	LN	LN
	PERMIT REQUIREMENT	REPORT	REPORT	MGD	*****	*****	*****	*****		CONTINUED IN	VOUS
CHLORINE, TOTAL RESIDUAL 50060 1 0 1 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	0.010	0.010	(19)	0	0%07	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	0.011	0.014	NO AVG DAILY MX		WEEKLY	GRAB
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	2	8	(13)	0	0%07	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	200	400	30DA GED 7 DA GED 100ML		WEEKLY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H.J. SCHARDEIN, JR.
Exec. 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.

Dennis Thomasson
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 302.540.6000
DATE 11 06 24
AREA CODE NUMBER YEAR MO DAY

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

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

MINOR
(SUBV LV)

F - FINAL
SANITARY WASTEWATER
EFFLUENT

JEFFE

*** NO DISCHARGE [] ***

NOTE: Read Instructions before completing this form.

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

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

KY00034501
PERMIT NUMBER

001 2
DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
11	05	01		11	05	01

PARAMETER	X	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 80082 1 0 0 EFFLUENT GROSS VALUE		3.4	4.3	(26)	*****	4	5	(19)	0	0/07	CP
	SAMPLE MEASUREMENT	18.6	37.6		*****	30	60			WEEKLY	CONPUS
	PERMIT REQUIREMENT	30DA AVG	DAILY MX	LBS/DY		30DA AVG	DAILY MX	MG/L			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H. J. SCHARDEW, JR.
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TYPED OR PRINTED

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Diane V. Knight

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 502 540 6000
DATE 11 06 24
AREA CODE NUMBER YEAR MO DAY

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

Berrytown	Report for	May-11		Tot. Exc.=		0			
Tot. Flow=	6.035	Concentrations				Pounds			
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.
5/1/11	0.727								
5/2/11	0.929								
5/3/11	0.927								
5/4/11	0.323								
5/5/11	0.248	2	2	0.22	8	4.137	4.137	0.455	0.233
5/6/11	0.197								
5/7/11	0.157								
5/8/11	0.13	3	4	0.22	1	3.253	4.337	0.239	0.534
5/9/11	0.104								
5/10/11	0.091								
5/11/11	0.083								
5/12/11	0.069								
5/13/11	0.065								
5/14/11	0.073								
5/15/11	0.078	4	5	0.22	1	2.602	3.253	0.143	1.45
5/16/11	0.063								
5/17/11	0.057								
5/18/11	0.058								
5/19/11	0.059								
5/20/11	0.052								
5/21/11	0.05								
5/22/11	0.061	2	4	0.34	3	1.017	2.035	0.173	2.84
5/23/11	0.14								
5/24/11	0.232								
5/25/11	0.139								
5/26/11	0.18								
5/27/11	0.264								
5/28/11	0.175								
5/29/11	0.126								
5/30/11	0.1								
5/31/11	0.078								
Average	0.195	2.75	3.75	0.25	2.21	2.75	3.44	0.25	1.26
Maximum	0.929	4.00	5.00	0.34	8.00	4.14	4.34	0.46	2.84

May 3, 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:

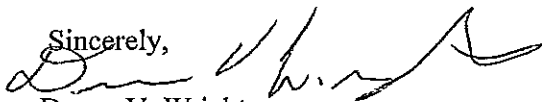
This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on May 02, 2011, referencing Work Order 1255322 as a rain event discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: On May 2, 2011, due to increased plant flow caused by a rain event, the plant aeration tanks overflowed, resulting in a wet weather bypass to waters of the US. The bypassed volume received full treatment except for disinfection. Approximately 130,750 gallons bypassed. The design flow of this plant is 0.075 mgd. The peak plant flow and total plant flow during this bypass cannot be calculated correctly, due to the excessive amount of rainfall, as the flow exceeded the flow meter measurement capacity.
- Period of noncompliance: Starting 09:00 AM on May 02, 2011 and stopping 04:35 AM on May 04, 2011.
- 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 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, 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	1255322	05/02/11 09:00 AM	SINGLETON	WRIGHT	DOCUMENTED	02/02/11	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/04/11 04:35 AM	

Spot Inspections:

Discharge Amount:	103,750 GAL
Cause:	DIGESTOR LEAKING
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	DIGESTOR REPAIRED

Notifications:

05/02/11 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/02/11 09:00 AM	DISPUB	temporary signs posted around the affected area
05/02/11 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

May 26, 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:

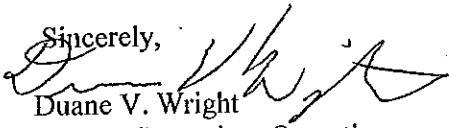
This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on May 26, 2011, referencing Work Order 1267804 as a Rain event discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: During a rain event, electrical power was interrupted to the WQTC. The backup generator came on, but due to a malfunction in the controls of the generator, the electrical power coming from it was not enough to power the influent pumping station. Approximately 18,200 gallons of untreated sewage overflowed the influent pump station wetwell and reached the waters of the U.S.
- Period of noncompliance: Starting 04:40 AM on May 26, 2011 and stopping 05:36 AM on May 26, 2011.
- Steps taken or planned to reduce, eliminate and prevent recurrence: Contractor has been called to repair stationary generator.
- Additional comments: no additional comments

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, MSD
eB File





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

<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	1267804	05/26/11 04:40 AM	ELDER	MILLS	DOCUMENTED	02/02/11	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/26/11 05:36 AM	

Spot Inspections:

Discharge Amount:	18,200 GAL
Cause:	LOSS OF LG&E POWER & MSD GENERATOR FAILED TO PROVIDE CORRECT POWER CAUSING EQUIPMENT SHUTDOWN
Clean Up:	NONE, INFLUENT DISCHARGED DIRECTLY TO STREAM & WASHED AWAY
Control Zone:	PERMANENT SIGNS IN AREA
Impact:	SEWAGE TO STREAM
Repair:	HOOKE UP TEMPORARY GENERATOR MSD0020 TO REPLACE PERMANENT GENERATOR

Notifications:

	DISPUB	Permanent signs around area
05/26/11 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/26/11 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