



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

September 15, 2009

Ms. Carolena Bentley
DMR Coordinator
200 Fair Oaks Lane
Frankfort, Kentucky 40601

**Re: MSD Metro Operations
Bancroft WQTC; KPDES No.: KY0039021
Discharge Monitoring Reports – August 2009**

Dear Ms. Bentley

Attached is the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Bancroft WQTC; KPDES No.: KY0039021 for the month of August 2009.

Also included is a copy of the Bypass Report letter, along with the Overflow Reports.

If you have any questions concerning the attached DMRs, please contact me at (502)587-5856.

Sincerely,

D.J. Rheinlaender
Process Supervisor, East Region

DJR/Bancroft 0809

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

*** NO DISCHARGE ***

NOTE: Read Instructions before completing this form.

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

KY0037021
PERMIT NUMBER

001 1
DISCHARGE NUMBER

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	07	08	01		07	08	31

JEFFE

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 (DD)	*****	*****			4	*****	*****	(17)		1/31	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	INST MIN	*****	*****	MG/L		ONCE / MONTH	GRAD
PHOSPHORUS, TOTAL	*****	*****			6.3	*****	*****	(12)		1/31	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	MINIMUM	*****	MAXIMUM	SU		ONCE / MONTH	GRAD
SOLIDS, TOTAL SUSPENDED	*****	*****			*****	*****	*****	(19)		1/31	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	20.0	40.0	LBS/DY	*****	30	60	MG/L		ONCE / MONTH	COMPLUS
NITROGEN, AMMONIA TOTAL (AS N)	*****	*****			*****	*****	*****	(19)		1/31	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	2.67	5.34	LBS/DY	*****	4	8	MG/L		ONCE / MONTH	COMPLUS
PHOSPHORUS, TOTAL (AS P)	*****	*****			*****	*****	*****	(19)		1/31	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L		ONCE / MONTH	COMPLUS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	*****	*****			*****	*****	*****	(03)		C/N	C/N
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT	MGD	*****	*****	*****	****		CONTINUOUS	IN
CHLORINE, TOTAL RESIDUAL	*****	*****			*****	*****	*****	(19)		1/31	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	0.018	0.018	MG/L		ONCE / MONTH	GRAD

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Exec. Dir
H. J. Schaefer, Jr
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]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
502 546 6555
DATE
07 09 15
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
(SUBR LV)
F - FINAL
SANITARY WASTEWATER
EFFLUENT

JEFFE

*** NO DISCHARGE [] ***

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

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

KY00039021
PERMIT NUMBER

001 1
DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	08	01		07	08	31

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
COLIFORM, FECAL GENERAL 74025 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT ***** PERMIT REQUIREMENT *****	*****	*****	(13)	*****	1	1	(13)	0	1/31	CR
BOD, CARBONACEOUS 5 DAY, 20C 80022 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT 1.2 PERMIT REQUIREMENT 16.7 NO AVG	1.2	33.4 MX WK AV	(26) LBS/DY	*****	4	4	(19) MG/L	0	1/31	CP
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
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[Signature]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
DATE
509 441 1880 07 09 15
AREA CODE NUMBER YEAR MO DAY

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

Bancroft		Report for		Aug-09		Tot. Exc.=		0	
Tot. Flow=		0.941		Concentrations				Pounds	
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.
8/1/09	0.033								
8/2/09	0.029								
8/3/09	0.024								
8/4/09	0.145								
8/5/09	0.035	3	4	0.055	1	0.876	1.168	0.016	1.35
8/6/09	0.027								
8/7/09	0.027								
8/8/09	0.028								
8/9/09	0.029								
8/10/09	0.037								
8/11/09	0.032								
8/12/09	0.03								
8/13/09	0.024								
8/14/09	0.021								
8/15/09	0.028								
8/16/09	0.03								
8/17/09	0.013								
8/18/09	0.037								
8/19/09	0.014								
8/20/09	0.025								
8/21/09	0.023								
8/22/09	0.028								
8/23/09	0.029								
8/24/09	0.024								
8/25/09	0.022								
8/26/09	0.024								
8/27/09	0.024								
8/28/09	0.025								
8/29/09	0.026								
8/30/09	0.025								
8/31/09	0.023								
Average	0.030	3.00	4.00	0.06	1.00	0.88	1.17	0.02	1.35
Maximum	0.145	3.00	4.00	0.06	1.00	0.88	1.17	0.02	1.35
Exceed.	1	0	0	0	0	0	0	0	0

BANCROFT STP MSC
C/O ERIC G. BRADY
4522 ALGONQUIN PA
LOUISVILLE KY
BANCROFT STP MSC
LOUISVILLE KY
ATTN: H. J. SCHARDI

OXYGEN, DISSOLVEI
(DO)
00300 1 0 0
EFFLUENT GROSS V
PH

00400 1 0 0
EFFLUENT GROSS V
SOLIDS, TOTAL
SUSPENDED

00530 1 0 0
EFFLUENT GROSS V
NITROGEN, AMMONI.
TOTAL (AS N)

00610 1 1 0
EFFLUENT GROSS V
FLOW, IN CONDUIT C
THRU TREATMENT P

50050 1 0 0
EFFLUENT GROSS V
CHLORINE, TOTAL
RESIDUAL

50060 1 0 0
EFFLUENT GROSS V
COLIFORM, FECAL
GENERAL

74055 1 0 0
EFFLUENT GROSS V
BOD, CARBONACEOI



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

August 20, 2009

Mr. Charlie Roth, District Supervisor
KY Division of Water
Louisville Regional Office
9116 Leesgate Road
Louisville, KY 40222-5084

Re: Bypass Report for the: Bancroft WQTC- KPDES Permit: KY0039021

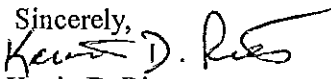
Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 AM on August 18, 2009, referencing Work Order 944513 as a dry weather bypass. 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: Wear on the clarifier sludge collector chain and sprockets caused excessive slack in the chain, resulting in the chain slipping and causing failure of sludge collection system. As a result, 250 gallons of biosolids bypassed through the plant secondary system and overflowed the plant effluent wier.
- Period of noncompliance: Starting 11:35 AM on August 17, 2009 and stopping 11:45 AM on August 17, 2009.
- Steps taken or planned to reduce, eliminate and prevent recurrence: On August 17, 2009, links were removed from the collector chain, top guiderails were repaired and the sludge collector put back into service. Maintenance staff will replace the collector chain and other associated parts in the near future to reduce a recurrence.
- Additional comments:

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-231-982, my cell phone at (502)-396-7543 or via email at ries@msdlouky.org.

Sincerely,

Kevin D. Ries
Process Supervisor-Operations

cc: Gary Levy, KDEP
Paula Purifoy, MSD
eB File





Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV, DISSUS

KPDES # KY0039021	Facility ID MSD0290	Water Quality Treatment Center BANCROFT	Receiving Stream of Treatment Center GOOSE CREEK	Region EAST
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Facility Type SPL Sewer Treatment Plant	Facility ID MSD0290	Facility Address 7610 OLD ORCHARD CIR	If Pump Station, Name of Pump Station:	Receiving Stream GOOSE CREEK	Discharge to STREAM
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<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>
DISDW: DRY WEATHER DISCHARGE	944513	08/17/09 11:35 AM	MARKS JR	LARUE	REPAIRED - ISSUE RESOLVED	08/17/09	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	08/17/09 11:45 AM	

Spot Inspections:

Discharge Amount:	250 GAL
Cause:	MECHNICAL PROBLEM WITH CLARIFIER COLLECTOR ARM
Clean Up:	CONTRACTOR CLEANED AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SOLIDS SEEN IN CREEK
Repair:	MAINTENANCE IS REPAIRED COLLECTOR DRIVE AND HAULING TANKS TO PREVENT FURTHER DISCHARGE #944509

Notifications:

08/17/09 03:32 PM	DISPUB	TEMPORARY SIGNS POSTED TO WARN PUBLIC
08/17/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov