

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

January 20, 2010

Ms. Carolena Bentley Kentucky Division of Water 200 Fair Oaks Lane Frankfort, Kentucky 40601

RE:

Derek Guthrie WQTC, KPDES No: KY0078956

Discharge Monitoring Report

December 2009

Dear Ms. Bentley:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Derek Guthrie WQTC, for the month of December 2009.

For the month of December there were no exceedances or overflow reports for DRGWQTC.

Also included are the 4th qtr Bio DMR and plant bypass report and letter for the month of December.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6031.

Sincerely,

John Kessel

Process Supervisor, West Region

JMK/West County 1209

Enclosures

cc: C. Roth

T. Singleton

R. Shaw



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

DEREK R GUTHRIE WOTC MSD

ADDRESS CID CEDAR CREEK WOTO 8405 CEDAR CREEK RD

LOCATION LOUISVILLE

ATTN

LOUISVILLE KY 40211

DENNIS THOMASSON, SR METRO OPS

FACILITY DEFIEK R GUTHRIE WOTO MED

MY 40272

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

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MONITORING PERIOD

TO

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FROM

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DISCHARGE NUMBER

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MAJOR (SUBR LV)

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Form Approved.

OMB No. 2040-0004

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*** NO DISCHARGE ! ! ***

MUNICIPAL WASTEWATER

NOTE: Read instructions before completing this form.

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

USE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

DEREK R GUTHRIE WOTO MSD

ADDRESS C/G CEDAR CREEK WGTC

8405 CEDAR CREEK RD

LOUISVILLE KY 40211

FACILITY DEREK R GUTHRIE WOTO MSD

LOCATION LOUISVILLE **KY 40272** ATTN: DEMNIS THOMASSON, SR METRO OFS NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

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YEAR

MAJOR (SUBR LV) F - FINAL OMB No. 2040-0004

Form Approved.

JEFFE

MUNICIPAL WASTEWATER MONITORING PERIOD

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NOTE: Read Instructions before completing this form.

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

USE MO AVS FOR BODYTSS REMV: REPT IN MINIMUM COLUMN.

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

DEREK R GUTHRIE WOTO MSD

ATTN. DENMIS THOMASSON, SR METRO, DPS

ADDRESS C/G CEDAR CREEK WOTC

6405 CEDAR CREEK RD

KY 40211 LOUISVILLE

FACILITY DEGREE R GUTHRIE WOTO MED LOCATION LOUISVILLE

XY 40272

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

MONITORING PERIOD

TO

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(SUBR LV) F - FINAL

JEFFE

Form Approved.

OMB No. 2040-0004

MUNICIPAL WASTEWATER

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*** NO DISCHARGE ! : * **

NOTE: Read Instructions before completing this form.

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USE MO AVO FOR BOD/TOS REMV:REPT IN MINIMUM COLUMN.

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

DEREK R GUTHRIE WOTC MSD .

ADDRESS C/8 CEDAR CREEK WOTO BAUS CEDAR CREEK RD

LOUISVILLE

KY 40211

FACILITY DEREK R GUTHRIE WOTC MED LOCATION LOUISVILLE

MY 40272 ATTN: DENNIS THOMASSON, SR METRO OPS NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

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MONITORING PERIOD

TO

YEAR

YEAR

FROM

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DAY

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MAJOR (SUBR LV) OMB No. 2040-0004

JEFFE

Form Approved.

F - FINAL REASONABLE POTENTIAL

EFFLUENT

*** NO DISCHARGE !

NOTE: Read Instructions before completing this form

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

DEREN R GUTHRIE WOTC MSD

ADDRESS C/D CEDAR CREEK WOTC 8405 CEDAR ORSEK RD

FORISAILLE

KY 40211

FACILITY DEREK R GUTHRIE WOTO MSD LOCATION LOUISVILLE

XY 40272

ATIM DENMIS THOMASSON, SR METRO OPS

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

MONITORING PERIOD

TO

YEAR

MY0078756 **PERMIT NUMBER**

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YEAR

FROM

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MAJOR

(SUBR LV)

F - FINAL

JEFFE

Form Approved.

OMB No. 2040-0004

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EFFLUENT

*** NO DISCHARGE

NOTE: Read Instructions hate

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lant:	West County WTP							_				Jefferson M							De	ecember		_	200	09								
	KYO	078956		_	Plant C	apacity:		3	30 MGD		County			Receiv	ving Stre	am:					Ohio I	River										
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December 31, 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: Derek R. Guthrie WQTC - KPDES KY0078956

Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on December 31, 2009, referencing Work Order 996579 as a wet weather bypass. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

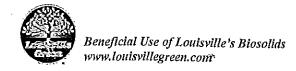
Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: A bypass of wastewater that did not receive full disinfection has occurred due to a Louisville Gas and Electric (LG&E)power failure. Approximately 1.5 million gallons of wastewater was bypassed. Full primary and secondary treatment was met and the discharge did receive risidual disinfection. All treatment requirements were met except for chlorination and dechlorination.
- Period of noncompliance: Starting 12:19 AM on December 31, 2009 and stopping 02:37 AM on December 31, 2009.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD is currently working on designs to install an place generators on our Hypochlorite and Bisulfite pumps. Having this type of equipment will prevent or decrease this type of incident from future by-passes of disinfection caused by power interuptions. Until the generator is in place we will add additional staffing to the off shifts, which will help in reducing our response times to emergencys.
- Additional comments: The equipment that LG&E lost last night was recently replaced by them several weeks ago. It is unknown at this time if the transformers were struck by lighting or internal mechanical failure was the result of the power failure... This bypass was also reported to the DOW referencing incident #20094927.

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-540-6031, my cell phone at (502)-648-5984 or via email at Kessel@msdlouky.org.

Sincerely

John Kessel
Process Supervisor-Operations







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

KPDES# KY0078956 Facility ID MSD0277

Water Quality Treatement Center DEREK R. GUTHRIE

Assigned To

LAMBDIN JR

Receiving Stream of Treatment Center OHIO RIVER

Region WEST

Facility Type

Facility ID

Facility Address

If Pump Station, Name of Pump Station:

Receiving Stream

Discharge to

SPL Sewer Treatment Plant

MSD0277

11621 LOWER RIVER RD

OHIO RIVER

STREAM

Activity Code / Description

<u>Initiated</u>

Initiated By

Disch Status

Event Date Problem

Result

Completed

Condition

DISREV: RAIN EVENT DISCHARGE

WO# 996579 12/31/09 12:19 AM

MARKS JR

DOCUMENTED

10/17/06 BYPASS AT WQTC

UNAUTHORIZED DISCHAGE -

12/31/09 02:29

AM

WATERS

Spot inspections:

Discharge Amount

1,500,000 GAL

Cause:

POWER FAILURE CAUSED BY L G & E

Clean Up:

NO DEBRIS , ONLY A BYPASS OF DISINFECTION

Control Zone:

TEMPORARY SIGNS POSTED

Impact

NO IMPACT OBSERVED

Repair,

L G &E RESTORED POWER ALL SYSTEMS BACK IN SERVICE

Notifications:

12/31/09 12:58 PM

DISPUB

public notified by web site and temporary signs

12/31/09 01:00 AM

DISNOT

Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov

12/31/09 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