

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

July 22, 2009

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

RE:

West County Treatment Plant, KPDES No: KY0078956

Discharge Monitoring Report

June 2009

Dear Ms. Bentley:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the West County Wastewater Treatment Plant, for the month of June 2009.

Also included are the 2nd quarter bio report, and the June overflow reports.

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 0609

Enclosures

cc: C. Roth

T. Singleton

R. Shaw







June 29, 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 Permit 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 June 26, 2009, referencing Work Order 923712 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 hypass event:

- Description of the noncompliance and its cause: The #1 Hypochlorite pump experienced an internal, mechanical failure. However, the pump continued to run which thus, prevented the alarm from triggering a faster response.
- Period of noncompliance: Starting 11:12 AM on June 25, 2009 and stopping 06:30 AM on June 26, 2009.
- Steps taken or planned to reduce, eliminate and prevent recurrence: This will include running an additional hypochlorite pump to adjust automatically if the CL2 dose is not maintained. Also further investigation will be done to enhance the existing alarms on the Hypochlorite feed system. Also the KDOW hotline was called at 10:30am on June 26, 2009, and incident # 2297540 was issued.

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.

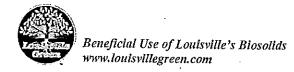
Sincerely,

John Kessel

Process Supervisor-Operations

cc:

Gary Levy, KDEP Paula Purifoy, MSD eB File



IMSAST0004 Overflow Report Initiated Jun 01, 2009 12:00 AM thru Jun 30, 2009 11:59 PM

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

KPDES#

KY0078956 (Cont'd)

Facility ID MSD0277 Water Quality Treatment Center DEREK R. GUTHRIE

OHIO RIVER

Receiving Stream of Treatment Center

Region WEST

Facility Type

DISCHARGE

SMH Sewer Manhole

Facility ID 74835 Facility Address
7000 VENETIAN WAY

If Pump Station, Name of Pump Station:

Receiving Stream

BIG RUN

Discharge to GROUND

Condition

Activity Code / Description DISREV: RAIN EVENT <u>WQ #</u> 921204 Initiated 06/18/09 12:02 PM Initiated By ELDER Assigned To KAISER <u>Disch Status</u> REPAIRED -ISSUE

RESOLVED

<u>Status Date</u> <u>P</u> 06/18/09 P

<u>Problem.</u> POWER OUTAGE (LG&E) Result UNAUTHORIZED DISCHAGE -WATERS Completed 06/18/09 12:40

PΜ

Spot Inspections:

Discharge Amount:

3,800 GAL

Cause:

LOSS OF LG&E POWER DUE TO STORM IN THE AREA

Clean Up:

MSD CLEANED & SANITIZED AREA

Control Zone:

TEMPORARY SIGNS PLACED

Impact

SEWAGE & PERSONAL HYGEINE PRODUCTS WERE OBSERVED.

Repair.

GENERATOR PLACED @ STATION TILL POWER RESTORED

Notifications:

06/18/09 01:00 PM

DISNOT

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

06/18/09 12:02 PM

DISPUB

Temporary signs placed around effected area

06/18/09 01:00 PM

DISSNO

Supplemental Email notification of unauthorized discharge has been sent to ireland, sean@epa.gov, eppc.ert@ky.gov and

LisaA.Jeffries@ky.gov





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

KPDES#

Facility ID MSD0277

Water Quality Treatment Center

DEREK R. GUTHRIE

Receiving Stream of Treatment Center

OHIO RIVER

Region WEST

Facility Type

SPL Sewer Treatment Plant

Facility ID

Facility Address

If Pump Station, Name of Pump Station:

Receiving Stream

Discharge to

Condition

SPL Sewer Treatment Plant

KY0078956 (Cont'd)

MSD0277

11621 LOWER RIVER RD

OHIO RIVER

WATERS

STREAM

Activity Code / Description

DISDW: DRY WEATHER

WO # 923712 Initiated, 06/25/09 11:12 AM Initiated By SINGLETON Assigned To THOMPSON Disch Status
DOCUMENTED

Status Date 10/17/06

Problem BYPASS AT WQTC Result
UNAUTHORIZED
DISCHAGE -

Completed 06/26/09 06:30 AM

DISCHARGE

Spot Inspections:

Discharge Amount:

20,500,000 GAL

Cause:

MECHANICAL FAILURE- #1 HYPO PUMP NOT PUMPING

Clean Up:

NO DEBRIS; PIPE DISCHARGE SUBMERGED

Control Zone:

NO CONTROL ZONE- PIPE DISCHARGE SUBMERGEED

Impact:

NO IMPACT OBSERVED

Repair:

OPERATOR STARTED #2 HYPO PUMP

Notifications:

06/26/09 12:00 AM

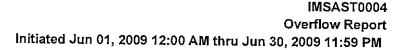
DISNOT

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

06/26/09 10:53 AM

DISPUB

Permanent signs posted & posted on Project WIN website





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

KPDES#

Facility ID MSD0277

Water Quality Treatment Center

DEREK R. GUTHRIE

Receiving Stream of Treatment Center

OHIO RIVER

Region WEST

Facility Type

SMH Sewer Manhole

KY0078956 (Cont'd)

Facility ID 29948

Facility Address

6810 SANDSTONE BLVD

If Pump Station, Name of Pump Station:

Receiving Stream FERN CREEK

Discharge to GROUND

Condition

Activity Code / Description

DISREV: RAIN EVENT DISCHARGE

WO# 921021

Initiated 06/18/09 11:50 AM Initiated By RHODES

Assigned To HOLLEY

Disch Status DOCUMENTED

Status Date 03/04/08

Problem. LACK OF SYSTEM CAPACITY

Result UNAUTHORIZED DISCHAGE -

WATERS

Completed 06/18/09 03:30

PM

Spot Inspections:

Discharge Amount

6,600 GAL

Cause:

LACK OF SYSTEM CAPACITY

Clean Up:

MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA

Control Zone:

MSD PERSONNEL PLACE SIGNS & CAUTION TAPE TO ADVISED THE CUSTOMER TO AVOID CONTACT IN THE AREA

Impact;

MSD PERSONNEL OBSERVED SEWAGE COMING UP FROM MANHOLE.

Repair.

A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED DECEMBER 2008

Notifications:

06/18/09 02:16 PM

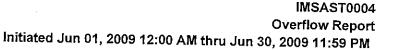
DISPUB

MSD PERSONNEL SPOKE WITH THE PROPERTY OWNER TO ADVISE OF DISCHARGE

06/18/09 01:00 PM

DISNOT

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





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

KPDES # KY0078956

Facility ID MSD0277

Water Quality Treatment Center

DEREK R. GUTHRIE

Receiving Stream of Treatment Center

OHIO RIVER

Region WEST

Facility Type

SMH Sewer Manhole

Facility ID

04699-W

Facility Address

1714 LAMKINS CT

If Pump Station, Name of Pump Station:

Receiving Stream MILL CREEK

Discharge to GROUND

Activity Code / Description

DISREV: RAIN EVENT DISCHARGE <u>WO #</u> 921294 Initiated 06/18/09 01:00 PM

Initiated By SINGLETON Assigned To RYAN Disch Status
DOCUMENTED

Status Date 12/15/07

Problem LACK OF SYSTEM CAPACITY Result UNAUTHORIZED DISCHAGE -

WATERS

Completed 06/18/09 04:00 PM

<u>Condition</u>

Spot Inspections:

Discharge Amount:

2,000 GAL

Cause:

STREET FLOODED

Clean Up:

NO CLEAN UP NEEDED

Control Zone:

BARRICADES, ROAD CLOSURE & TEMPORARY SIGNS

Impact

ROAD DEBRIS OBSERVED; NO SEWAGE DEBRIS

Repair:

WATER RECEEDED

Notifications:

06/18/09 01:00 PM

DISPUB

Barricades, road closure & temporary signs

06/19/09 01:22 PM

DISNOT

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

06/19/09 01:00 AM

DISSNO

Supplemental Email notification of unauthorized discharge has been sent to ireland, sean@epa.gov, eppc.ert@ky.gov and LisaA_Jeffrles@ky.gov

7/17/2009

Page 10 of 31

11:31:59 AM



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

KPDES# KY0078956

Facility ID MSD0277

Water Quality Treatment Center DEREK R. GUTHRIE

Receiving Stream of Treatment Center OHIO RIVER

Region WEST

Facility Type

SPL Sewer Treatment Plant

Facility ID MSD0277

Facility Address

11621 LOWER RIVER RD

if Pump Station, Name of Pump Station:

Receiving Stream OHIO RIVER

Discharge to STREAM

Activity Code / Description

DISDW: DRY WEATHER DISCHARGE

WQ# 923712

Initiated 05/25/09 11:12 AM Initiated By SINGLETON Assigned To THOMPSON

Disch Status DOCUMENTED

Status Date 10/17/06

<u>Problem</u> BYPASS AT WQTC Result UNAUTHORIZED DISCHAGE -

WATERS

Completed 06/26/09 06:30 AM

Condition

Spot Inspections:

Discharge Amount:

20,500,000 GAL

Cause:

MECHANICAL FAILURE- #1 HYPO PUMP NOT PUMPING

Clean Up:

NO DEBRIS; PIPE DISCHARGE SUBMERGED

Control Zone:

NO CONTROL ZONE- PIPE DISCHARGE SUBMERGEED

Impact

NO IMPACT OBSERVED

Repair:

OPERATOR STARTED #2 HYPO PUMP

Notifications:

06/26/09 12:00 AM

DISNOT

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

06/26/09 10:53 AM

DISPUB

Permanent signs posted & posted on Project WIN website

Total Facilities Printed: 3 Total Work Orders Printed: 3 NAME MED WEST COUNTY STR

ADDRESS C/O CEDAR CREEK STA

8405 CEDAR CREEK RD

LOUISVILLE MY 40211

FACILITY MGD WEST COUNTY STP

LOCATION LOUISVILLE KY 40ETE ATTN DENNIS THOMASSON, SR METRO DPS NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

MONITORING PERIOD

TO

YEAR

DAY

ストクロンロイリウ **PERMIT NUMBER**

MO.

YEAR

FROM

OOL Z DISCHARGE NUMBER

DAY

MO

MAJOR (SUBR LV) F - FINAL

EFFE

Form Approved.

OMB No. 2040-0004

MUNICIPAL WASTEWATER

EFFLUENT

*** NO DISCHARGE | | ***

NOTE: Read Instructions before completing this form.

PARAMETER		QUAN	TITY OR LOADING		G	NO. EX	FREQUENCY OF	SAMPLE TYPE			
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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

use MD AVO FOR BOD/TSS REMVORERT IN MINIMUM COLUMN.

OF

ADDRESS C/G CEDAR CREEK STP

8405 CEDAR CREEK PD

LOUISVILLE

KY 40ZII

FACILITY MED WEST ZEUNTY STE LOCATION LOUISVILLE

KY 4027E ATTN: DENNIS THOMASSON, SR METRO OPS

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

MONITORING PERIOD

TO

YEAR

DAY

アスカウンタシア中 **PERMIT NUMBER**

YEAR

FROM

್ಟಿಸಿ ಎಂದ DISCHARGE NUMBER

DAY

MO.

MAJOR (SUBR LV) F - FINAL

Form Approved.

OMB No. 2040-0004

VEFFE

MUNICIPAL WASTEWATER

EFFLUENT

*** NO DISCHARGE !__! ***

NOTE: Read Instructions before completing this form.

PARAMETER		QUAN.	TITY OR LOADING		G	QUALITY OR CONC	NO. EX	FREQUENCY OF	SAMPLE TYPE		
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) USE MO AVO FOR BODYTSE REMY; REPT IN MINIMUM COLUMN.

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

NAME MSD WEST COUNTY STP

ADDRESS C/O CEDAR CREEK STF

8405 CEDAR CREEK RD

LOUISVILLE MY 40211

FACILITY MED WEST COUNTY STP

LOCATION LOUISVILLE MY 40272 ATTN DENNIS THOMASSON, SR METRO OPS

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

MONITORING PERIOD

TO

DAY

m : Wuyayba PERMIT NUMBER

MO.

YEAR.

FROM

COT E DISCHARGE NUMBER

YEAR MO

DAY,

역소나다린 (3039) [77]

F - FINAL

'Form Approved.

OMB No. 2040-0004

JEFFE

MUNICIPAL WASTEWATER

EFFLUENT

WAN NO DISCHARGE | | WAN

NOTE: Read Instructions before completing this form.

PARAMETER		QUA	NTITY OR LOADING	i		C	QUAL	ITY OR	CONC	ENTRAT	ION		NO.	FREQUEN OF		
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USE MO AVG FOR BODYTSS REMV:REPT IN MINIMUM COLUMN

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

NAME HIST WEST COUNTY STP

ADDRESS C/O CEDAR CREEK STP

8405 CEDAR CREEK RD

LOUISVILLE

FACILITY MSD WEST OFUNTY STR

LOCATION LOUISVILLE ATTM: DEMNIS THOMASSON, OR METRO OPS

KY 40211

KY 40272

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

MONITORING PERIOD

TO

DAY

スインファスコウ PERMIT NUMBER

MO.

YEAR

FROM

COL M DISCHARGE NUMBER

DAY...

YEAR MO.

MAJOR (SUMP LV)

FEEE

Form Approved.

OMB No. 2040-0004

F - FINAL

REASONABLE POTENTIAL EFFLUENT

*** NO DISCHARGE |_ | ***

NOTE: Read Instructions before completing this form.

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Exec Dir	to assur	e that qualified personnel pr ed. Based on my inquiry of	·m.			- ()									
14.J. Schadrin	or those submitted I am aw	e persons directly responsible and is, to the best of my known are that there are significan	s for gathering the informat vledge and belief, true, accu	ion, the informa mate, and compl lise information,	tion Sign	NATU OFFIC	JRE OF	PRINCIP	AL E	XECUTIVE AGENT	SOF	S46-6		<u>∩</u> 9 YEAR	MÓ	24 DAY

· OF

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

MSS WEST COUNTY STP

ADDRESS C/O CEDAR CREEK STP

BADS CEDAN CREEK RD LOUISVILLE

KY 40211

FACILITY MED WEST COUNTY STP

LOCATION LOUISVILLE ATTM: DEMAIS THOMASSON, SR METRO OPS

KY 40272

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

MONITORING PERIOD

TO

DAY

スインケイムチョム PERMIT NUMBER

MO

YEAR

FROM

7 بدائسا الريا DISCHARGE NUMBER

DAY

YEAR MO

RELAM

YSUBA LVI F - FINAL

Form Approved.

OMB No. 2040-0004

BISMONITOR ING/METALS, SUARTERLY

EFFLUENT

*** NO DISCHARGE ! : ***

NOTE: Read Instructions before completing this form.

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NAME/TITLE PRINCIPAL EXECUTIVE Exec Di- 11.5 Schudzin To	prepared to assure submitte or those submitte	under penalty of law that it d under my direction or sup e that qualified personnel pp ed. Based on my inquiry of persons directly responsible ed is, to the best of my know	ervision in accordance with roperly gather and evaluate the person or persons who e for gathering the informa- wledge and belief, true, acc	a system design the information manage the system are the information, the information, the information and companies.	tem.	TURE OF PRINCIPAL		SYU-CO			TE DU					
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Name of S	ewago Tn	vago Treatment Plant West County WTP							_								June 2009																	
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