



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

November 17, 2009

Carolena Bentley, DMR Coordinator
Kentucky Division of Water
200 Fair Oaks Lane, 4th Floor
Frankfort, Kentucky 40601

**Re: MSD Metro Operations
Chenoweth Hills WQTC; KPDES No.: KY0029459
Discharge Monitoring Reports – October 2009**

Dear Ms. Bentley:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Chenoweth Hills WQTC, KPDES No.: KY0029459 for the month of October 2009.

Also attached is a bypass letter and a overflow report.

There were no exceedences.

If you have any questions concerning the attached DMRs, please contact me at (502) 239-7574.

Sincerely,

A handwritten signature in cursive script that reads "Duane V. Wright".

Duane V. Wright
Process Supervisor Central Region

DVW/Chenoweth Hills1009

Enclosures

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



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



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Louisville Kentucky 40203-1911
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October 6, 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: Chenoweth Hills WQTC- KPDES Permit: KY0029459

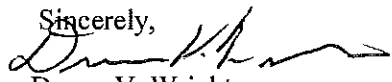
Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 AM on October 06, 2009, referencing Work Order 967725 as a Dry Weather 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: A mechanical failure of the sulfur dioxide regulator resulted in approximately 7,953 gallons of disinfected wastewater not receiving full dechlorination. The sulfur dioxide feed was shut off to allow for the repair of regulator.
- Period of noncompliance: Starting 03:15 PM on October 05, 2009 and stopping 05:35 PM on October 05, 2009.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD is evaluating the possibility of installing back-up chlorine & sulfur dioxide regulators.
- 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





IMSAST0004

Overflow Report

Initiated Oct 01, 2009 12:00 AM thru Oct 31, 2009 11:59 PM

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

KPDES # KY0029459	Facility ID MSD0263	Water Quality Treatment Center CHENOWETH HILLS	Receiving Stream of Treatment Center CHENOWETH RUN	Region CENT
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Facility Type SPL Sewer Treatment Plant	Facility ID MSD0263	Facility Address 4305 ST RENE CT	If Pump Station, Name of Pump Station:	Receiving Stream CHENOWETH RUN	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	967725	10/05/09 03:15 PM	ELDER	WRIGHT	DOCUMENTED	09/27/02	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	10/05/09 05:35 PM	

Spot Inspections:

Discharge Amount:	7,953 GAL
Cause:	MECHANICAL, FITTING FAILURE
Clean Up:	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM
Control Zone:	NO CONTROL ZONE WAS SET UP - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM
Impact:	NO IMPACT OBSERVED PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM
Repair:	REMOVED FAILED FITTING & REPLACED. RETURNED TO SERVICE.

Notifications:

10/05/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
10/05/09 12:00 AM	DISPUB	Notification was made through the Project Win Website and listserv.
10/05/09 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

Total Facilities Printed: 1

Total Work Orders Printed: 1

NAME:

CHENOWETH HILLS WQTC MSD

ADDRESS C/O CEDAR CREEK WQTC

8405 CEDAR CREEK RD

LOUISVILLE KY 40211

FACILITY CHENOWETH HILLS WOTC MSD

LOCATION JEFFERSONTOWN KY 40299

ATTN: DENNIE THOMASSON, SR METRO OPS

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

KY0029459

PERMIT NUMBER

001 1

DISCHARGE NUMBER

MINOR

(SUPER LV)

F - FINAL

SANITARY WASTEWATER

EFFLUENT

*** NO DISCHARGE ***

NOTE: Read Instructions before completing this form.

Form Approved.
OMB No. 2040-0004

JEFFRE

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	*****	*****		8	*****	*****	(19)	0	%07	GR	
00300 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	7	*****	*****			WEEKLY	GRAB	
EFFLUENT GROSS VALUE				*****	INST MIN			MG/L				
PH	SAMPLE MEASUREMENT	*****	*****		7.1	*****	7.4	(12)	0	%07	GR	
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	6.0	*****	9.0			WEEKLY	GRAB	
EFFLUENT GROSS VALUE				*****	MINIMUM		MAXIMUM	SU				
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	4	9	(26)	*****	4	7	(19)	0	%07	CP	
00530 1 0 0	PERMIT REQUIREMENT	50	100		*****	30	60			WEEKLY	COMPOS	
EFFLUENT GROSS VALUE		30DA AVG	DAILY MX	LBS/DY		30DA AVG	DAILY MX	MG/L				
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	1.91	5.6	(26)	*****	3	8	(19)	0	05/30	CP	
00610 1 1 0	PERMIT REQUIREMENT	6.67	13.3		*****	4	8			WEEKLY	COMPOS	
EFFLUENT GROSS VALUE		30DA AVG	DAILY MX	LBS/DY		30DA AVG	DAILY MX	MG/L				
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	*****	*****		*****	1.9	2.9	(19)	0	%07	CP	
00665 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT	REPORT			WEEKLY	COMPOS	
EFFLUENT GROSS VALUE				*****		MD AVG	DAILY MX	MG/L				
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.140	0.379	(03)	*****	*****	*****		0	CN	CN	
50050 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	*****		CONTIN	CONTIN	
EFFLUENT GROSS VALUE		30DA AVG	INST MAX	MGD				*****		UDUS		
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	*****	*****		*****	<0.010	<0.010	(19)		%07	GR	
50060 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	0.011	0.019			WEEKLY	GRAB	
EFFLUENT GROSS VALUE				*****		30DA AVG	DAILY MX	MG/L				
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.			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE		DATE		
TYPED OR PRINTED								502 540 6000		09 11 18		
								AREA CODE	NUMBER	YEAR	MO	DAY

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

NAME CHENOWETH HILLS WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 8405 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY CHENOWETH HILLS WQTC MSD
 LOCATION JEFFERSONTOWN KY 40299
 ATTN: DENNIS THOMASSON, SR METRO OPS

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

KY0029459
 PERMIT NUMBER

001 1
 DISCHARGE NUMBER

MINOR
 (SUBR LV)
 F - FINAL
 SANITARY WASTEWATER
 EFFLUENT
 *** NO DISCHARGE 1-1 ***

JEFFE

Form Approved,
 OMB No. 2040-0004

MONITORING PERIOD								
YEAR			MO	DAY	TO			
FROM			09	10	01	09	10	31

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	1	1	(13)	0	0/07	GR
	PERMIT REQUIREMENT	*****	*****	****	*****	200 30DA GEO	400 7 DA GEO	#/ 100ML		WEEKLY	GRAB
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	3	5	(26)	*****	4	7	(19)	0	0/07	CP
	PERMIT REQUIREMENT	50 30DA AVG	100 DAILY MX	LBS/DY	*****	30 30DA AVG	60 DAILY MX	MG/L		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
			502	590 6000	09	11	18
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

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

Chenoweth Hills		Report for		Oct-09		Tot. Exc.= 0				
Tot. Flow= 4.348				Concentrations						
Date	Flow	TSS	BOD	NH3	Fecal	TSS	Pounds BOD	NH3	Tot. Phos.	
10/1/09	0.08	2	7	8.4	1	1.3344	4.6704	5.60448	2.86	
10/2/09	0.221									
10/3/09	0.134									
10/4/09	0.11									
10/5/09	0.091			4.3				3.263442		
10/6/09	0.089									
10/7/09	0.072									
10/8/09	0.118	6	3	0.28	1	5.90472	2.95236	0.275554	2.54	
10/9/09	0.365									
10/10/09	0.245									
10/11/09	0.15									
10/12/09	0.106									
10/13/09	0.09									
10/14/09	0.173									
10/15/09	0.151	7	2	0.2	1	8.81538	2.51868	0.251868	1.28	
10/16/09	0.126									
10/17/09	0.118									
10/18/09	0.113									
10/19/09	0.092									
10/20/09	0.082									
10/21/09	0.079									
10/22/09	0.074	2	3	0.28	1	1.23432	1.85148	0.172805	0.796	
10/23/09	0.179									
10/24/09	0.14									
10/25/09	0.121									
10/26/09	0.089									
10/27/09	0.117									
10/28/09	0.21									
10/29/09	0.127									
10/30/09	0.107									
10/31/09	0.379									
Average	0.140	4.25	3.75	2.69	1.00	4.32	3.00	1.91	1.87	
Maximum	0.379	7.00	7.00	8.40	1.00	8.82	4.67	5.60	2.86	
Exceed.	5	0	0	0	0	0	0	0		