



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

January 8, 2012

Ms. Cheryl Edwards
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 – December 2011**

Dear Ms. Edwards:

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 December 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/Chenoweth Hills 12.11

Enclosures

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



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

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)

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

KY0027457	001						
PERMIT NUMBER	DISCHARGE NUMBER						
MONITORING PERIOD							
FROM	YEAR	MO.	DAY	TO	YEAR	MO.	DAY

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	PERMIT REQUIREMENT	*****	*****	****	7	*****	*****	MG/L	0	1/1	GR
PH 00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.3	*****	7.5	SU	0	1/1	GR
SOLIDS, TOTAL SUSPENDED 00500 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	LBS/DY	5	4	5	MG/L	0	1/7	CP
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 2 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	LBS/DY	0.6	0.4	0.6	MG/L	0	1/7	CP
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	MG/L	*****	2.3	3.7	MG/L	0	1/7	CP
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 00050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	MGD	0.181	0.751	*****	MGD	0	CN	CN
CHLORINE, TOTAL RESIDUAL 00060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	MG/L	*****	<0.010	<0.010	MG/L	0	1/1	GR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
GREG C. HEITEMAN, PE
INTERIM 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.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
Greg C. Heiteman

TELEPHONE 502 540 6000
DATE 12 1 20
AREA CODE NUMBER YEAR MO DAY

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 NAME CHENOWETH HILLS WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 5405 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)

KY0029457
 PERMIT NUMBER
 001 1
 DISCHARGE NUMBER

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

JEFF

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

NOTE: Read Instructions before completing this form.

PARAMETER	X	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	*****	*****		*****	15	47		0	1/7	GR
	PERMIT REQUIREMENT	*****	*****	***	*****	GODA GEO	7 DA GEO	100ML			
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	4	5	(25)	*****	3	3		0	1/7	CP
	PERMIT REQUIREMENT	30	100		*****	30	50				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 GREG C. HEITZMAN, PE
 INTERIM 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 V. Wright
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 502 540 6000
 DATE
 12 1 20
 AREA CODE NUMBER YEAR MO DAY

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

Chenoweth Hills		Report for	Dec-11				Tot. Exc.= 0			
Tot. Flow= 5.5959		Concentrations		Pounds						
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	
12/1/11	0.198	3	2	0.56		4.95	3.30	0.92	0.9	
12/2/11	0.138				47					
12/3/11	0.128									
12/4/11	0.136									
12/5/11	0.751									
12/6/11	0.408									
12/7/11	0.408									
12/8/11	0.172	5	3	0.28		7.15	4.29	0.40	1.17	
12/9/11	0.135				10					
12/10/11	0.124									
12/11/11	0.120									
12/12/11	0.096									
12/13/11	0.094									
12/14/11	0.086									
12/15/11	0.131	4	3	0.5		4.38	3.28	0.55	3.71	
12/16/11	0.105				7					
12/17/11	0.112									
12/18/11	0.111									
12/19/11	0.101									
12/20/11	0.106									
12/21/11	0.171									
12/22/11	0.212	3	3	0.28		5.31	5.31	0.50	3.22	
12/23/11	0.209				17					
12/24/11	0.167									
12/25/11	0.139									
12/26/11	0.127									
12/27/11	0.308									
12/28/11	0.195									
12/29/11	0.149									
12/30/11	0.133									
12/31/11	0.126									
Average	0.181	3.75	2.75	0.41	15.38	5.45	4.05	0.59	2.25	
Maximum	0.751	5.00	3.00	0.56	47.00	7.15	5.31	0.92	3.71	



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

December 7, 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: 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 December 06, 2011, referencing Work Order 1389077 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 December 5, 2011, due to increased plant flow caused by storm event, the effluent pump station overflowed, and resulted in a wet weather discharge to the waters of the U.S. Plant aeration was shut off prior to overflow. Surge basin was also full. Approximately 12,000 gallons overflowed. The design flow to this plant is 0.200 MGD. The peak plant flow during this event was 1.24 MGD. The total daily plant flow was 0.751 MGD.
- Period of noncompliance: Starting 07:04 PM on December 05, 2011 and stopping 09:04 PM on December 05, 2011.
- Steps taken or planned to reduce, eliminate and prevent recurrence: Plant bypass stopped once flow decreased.
- 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)-239-7475, 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





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

December 7, 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: 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 December 06, 2011, referencing Work Order 1389076 & 1389077 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 December 5, 2011, due to increased plant flow caused by storm event, the plant effluent pump station and the chlorine contact tank overflowed, and resulted in a wet weather discharge to the waters of the U.S. Plant aeration was shut off prior to overflow. Surge basin was also full. Approximately 13,200 gallons overflowed. The design flow to this plant is 0.200 MGD. The peak plant flow during this event was 1.24 MGD. The total daily plant flow was 0.751 MGD.
- Period of noncompliance: Starting 07:04 PM on December 05, 2011 and stopping 09:04 PM on December 05, 2011.
- Steps taken or planned to reduce, eliminate and prevent recurrence: If operational needs for resources allow, MSD will haul water from the plant.
- 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)-239-7475, 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 # KY0029459	Facility ID MSD0263	Water Quality Treatment Center CHENOWETH HILLS	Receiving Stream of Treatment Center CHENOWETH RUN	Region CENT
-----------------------------	-------------------------------	--	--	-----------------------

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
---	-------------------------------	--	---	--	-------------------------------

<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	1389076	12/05/11 07:04 PM	MARKS JR	WRIGHT	DOCUMENTED	09/27/02	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATER S	12/05/11 09:04 PM	

Spot Inspections:

Discharge Amount:	1,200 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR

Notifications:

12/05/11 08:13 PM	DISPUB	msd warned public with signs
12/05/11 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
12/05/11 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, Excluding LAT and SSL, Prob Code: BYPAS, Result: WUS, Act Code: DISDW, DISREV

KPDES # KY0029459 (Cont'd) Facility ID MSD0263 Water Quality Treatment Center CHENOWETH HILLS Receiving Stream of Treatment Center CHENOWETH RUN Region CENT

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	1389077	12/05/11 07:04 PM	MARKS JR	WRIGHT	DOCUMENTED	09/27/02	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATER S	12/05/11 09:04 PM	

Spot Inspections:

Discharge Amount:	12,000 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR

Notifications:

12/05/11 08:13 PM	DISPUB	msd used signs to warn public
12/05/11 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
12/05/11 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: 2
Total Work Orders Printed: 3