



*Louisville and Jefferson County Metropolitan Sewer District*  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)

July 26, 2010

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

**Re: MSD Metro Operations  
Chenoweth Hills WQTC; KPDES No.: KY0029459  
Discharge Monitoring Reports – June 2010**

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 June 2010

Also attached is the bypass letters and 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 Hills 06.10

Enclosures

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



*Beneficial Use of Louisville's Biosolids*  
[www.louisvillegreen.com](http://www.louisvillegreen.com)

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

NAME CHANDWETH HILLS WQTC MSD  
 ADDRESS C/O CEDAR CREEK WQTC  
 1045 CEDAR CREEK RD  
 LOUISVILLE KY 40211  
 FACILITY CHANDWETH HILLS WQTC MSD  
 LOCATION JEFFERSONTOWN KY 40299  
 ATTN: JENNIS THOMASSON, SR. METRO DPE

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

MINOR (GDR LV)  
 FINAL  
 SANITARY WASTEWATER EFFLUENT  
 \*\*\* NO DISCHARGE \*\*\*

Form Approved.  
 OMB No. 2040-0004

PERMIT NUMBER KY0027457

DISCHARGE NUMBER 071

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
20	07	01		20	07	01

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)	0.0000	1.00	0.00	MG/L	7			MG/L	0	1/7	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			MG/L	INST MIN			MG/L			
PH	6.8				6.8				0	1/7	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT				MINIMUM			MAXIMUM			
SOLIDS TOTAL SUSPENDED	3	5	1.25	MG/L		4	6	MG/L	0	1/7	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	50	100	LB5/DY		300A AVG	DAILY MX	MG/L			
NITROGEN, AMMONIA TOTAL (AS N)	0.31	0.4	1.25	MG/L		0.4	0.5	MG/L	0	1/7	CD
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	0.07	0.3	LB5/DY		300A AVG	DAILY MX	MG/L			
PHOSPHORUS, TOTAL (AS P)	1.1	1.6	1.25	MG/L		1.1	1.6	MG/L	0	1/7	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT					REPORT MO AVG	REPORT DAILY MX	MG/L			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	0.094	0.265	1.00	MGD					0	EN	EN
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT	MGD						MOUS	
CHLORINE, TOTAL RESIDUAL	20.010	20.010	1.25	MG/L		20.010	20.010	MG/L	0	1/7	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT					300A AVG	DAILY MX	MG/L			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 H.J. SCHARDEIN, JR.  
 EXECUTIVE DIRECTOR  
 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  
 [Signature]

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
502	540-6000	10	7	27

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

NAME CHENOWETH HILLS WQTC MBD  
ADDRESS C/O CEDAR CREEK WQTC  
3401 CEDAR CREEK RD  
LOUISVILLE KY 40211  
FACILITY CHENOWETH HILLS WQTC MBD  
LOCATION JEFFERSONTOWN KY 40295  
ATTN DENNIS THOMASSEN, SR METRO OPS

PERMIT NUMBER		DISCHARGE NUMBER					
MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY

MINOR  
CDSR 117  
P - FINAL  
SANITARY WASTE/WATER  
EFFLUENT  
\*\*\* NOT DISCHARGE \*\*\*

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			
GENERAL EFFLUENT GROSS VALUE		*****	*****		*****	5	95		0	1/7	GR
BOD CARBONACEOUS 5 DAY BOD		*****	*****	(25)	*****	2	3		0	1/7	CP
EFFLUENT GROSS VALUE		30DA AVG	DAILY MX	LBS/DY	*****	30DA AVG	DAILY MX	MG/L			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
H. J. SCHWARZEM, JR.  
EXECUTIVE DIRECTOR  
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  
*Dennis Thomassen*

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
	502 540 6000	10	7	27

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

Chenoweth Hills		Report for		Jun-10		Tot. Exc.= 0				
Tot. Flow= 2.805				Concentrations		Pounds				
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	
6/1/10	0.088	1	2	0.45	2	0.73392	1.46784	0.330264	1.55	
6/2/10	0.072									
6/3/10	0.072									
6/4/10	0.073									
6/5/10	0.082									
6/6/10	0.088									
6/7/10	0.077									
6/8/10	0.073	2	2	0.39	95	1.21764	1.21764	0.23744	0.556	
6/9/10	0.265									
6/10/10	0.122									
6/11/10	0.097									
6/12/10	0.12									
6/13/10	0.107									
6/14/10	0.097									
6/15/10	0.107	6	3	0.45	2	5.35428	2.67714	0.401571	0.538	
6/16/10	0.088									
6/17/10	0.077									
6/18/10	0.076									
6/19/10	0.13									
6/20/10	0.099									
6/21/10	0.086									
6/22/10	0.079	5	2	0.39	2	3.2943	1.31772	0.256955	1.6	
6/23/10	0.073									
6/24/10	0.07									
6/25/10	0.073									
6/26/10	0.081									
6/27/10	0.086									
6/28/10	0.094									
6/29/10	0.078									
6/30/10	0.075									
Average	0.094	3.50	2.25	0.42	5.25	2.65	1.67	0.31	1.06	
Maximum	0.265	6.00	3.00	0.45	95.00	5.35	2.68	0.40	1.60	



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June 29, 2010

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 June 29, 2010, referencing Work Order 1099424 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: We had to shut off Sulfur dioxide feed water line to make permanent repairs to damaged water line. This caused approximately 1,647 gallons of treated sewage to not receive dechlorination.
- Period of noncompliance: Starting 02:45 PM on June 28, 2010 and stopping 03:10 PM on June 28, 2010.
- Steps taken or planned to reduce, eliminate and prevent recurrence:
- 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](mailto:wrightd@msdlouky.org).

Sincerely,

  
Duane V. Wright  
Process Supervisor-Operations

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





Initiated Jun 01, 2010 12:00 AM thru Jun 30, 2010 11:59 PM

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

KPDES # KY0029459 (Cont'd)	Facility ID MSD0263	Water Quality Treatment Center CHENOWETH HILLS	Receiving Stream of Treatment Center CHENOWETH RUN	Region CENT
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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	1099424	06/28/10 02:45 PM	MARKS JR	WRIGHT	DOCUMENTED	09/27/02	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	06/28/10 03:10 PM	

**Spot Inspections:**

Discharge Amount:	1,647 GAL
Cause:	CONTRACTOR RAN INTO SODIUM DIOXIDE BUILDING
Clean Up:	NOT NEEDED
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO IMPACT OBSERVED
Repair:	MSD MADE REPAIRS TO FEED LINE AND PUT BACK IN SERVICE

**Notifications:**

06/28/10 07:18 PM	DISPUB	MSD notified public with web site and temporary signs
06/28/10 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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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 PM on June 28, 2010, referencing Work Order 1099222 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: Delivery truck backed into sulfur dioxide building which broke the SO<sub>2</sub> feed water line resulting in the sulfur dioxide to stop feeding. Approximately 2,268 gallons of treated wastewater did not receive dechlorination. Temporary feed water line was set up.
- Period of noncompliance: Starting 10:30 AM on June 28, 2010 and stopping 11:03 AM on June 28, 2010.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD to install bullards to protect building and chemical feed lines on or before July 15, 2010.
- 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](mailto:wrightd@msdlouky.org).

Sincerely,

Duane V. Wright  
Process Supervisor-Operations

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





Metropolitan Sewer District

IMSAST0004

Overflow Report

Initiated Jun 01, 2010 12:00 AM thru Jun 30, 2010 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						
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> DISDW: DRY WEATHER DISCHARGE	<u>WO #</u> 1099222	<u>Initiated</u> 06/28/10 10:30 AM	<u>Initiated By</u> SINGLETON	<u>Assigned To</u> ALEXANDER	<u>Disch Status</u> DOCUMENTED	<u>Event Date</u> 09/27/02	<u>Problem</u> BYPASS AT WQTC	<u>Result</u> UNAUTHORIZED DISCHAGE - WATERS	<u>Completed</u> 06/28/10 11:03 AM	<u>Condition</u>

Spot Inspections:

Discharge Amount:	2,268 GAL
Cause:	CONTRACTOR BACKED INTO SULFUR DIOXIDE BLDG
Clean Up:	NO CLEAN UP REQUIRED
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO IMPACT OBSERVED
Repair:	MSD MADE REPAIRS TO LINE AND PUT BACK IN SERVICE

Notifications:

06/28/10 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
07/06/10 03:56 PM	DISPUB	Temporary signs posted around impacted area.