



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

March 15, 2010

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 – February 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 February 2010

Also attached is a bypass letter and overflow report.

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 02.10

Enclosures

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



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

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 DPE

KY0029455
PERMIT NUMBER

0011
DISCHARGE NUMBER

MINOR (SUBR LV)
F - FINAL
SANITARY WASTEWATER EFFLUENT
*** NO DISCHARGE [] ***
NOTE: Read Instructions before completing this form.

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
10	02	01		10	02	28

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	*****	*****		8	*****	*****	(19)	0	0/07	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	7	*****	*****			WEEKLY	GRAB
PH	00400 1 0 0	*****	*****		7.4	*****	8.6	(12)	0	0/07	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0			WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED	00530 1 0 0	*****	*****	(25)	*****	9	13	(19)	0	0/07	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	50	100	LBS/DY	30	30	60			WEEKLY	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)	00610 1 2 0	*****	*****	(25)	*****	0.2	0.3	(19)	0	0/07	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	15.7	33.4	LBS/DY	10	10	20			WEEKLY	COMPOS
PHOSPHORUS, TOTAL (AS P)	00665 1 0 0	*****	*****		*****	1.1	1.5	(19)	0	0/07	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT			WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	00050 1 0 0	*****	*****	(03)	*****	*****	*****		0	CN	CN
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT	MGD	*****	*****	*****	****		CONTIN	CONTIN
CHLORINE, TOTAL RESIDUAL	00060 1 0 0	*****	*****		*****	*****	*****	(19)	0	0/07	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	0.011	0.019			WEEKLY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H.J. SCHARIN, 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.

Duane V. Wright
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE
502 540 6000 10 03 16
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
 8403 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 [] ***
 JEFFE

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
10	02	01		10	02	28

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			
COLIFORM, FECAL GENERAL		*****	*****		*****	1	2	(13)		0 %	GR
74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	200	400 #/			WEEKLY	GRAB
BOD, CARBONACEOUS 05 DAY, 20C		5	7	(26)	*****	4	5	(19)		0 %	CP
80082 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	30DA AVG	DAILY MX	LBS/DY	*****	30	60			WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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 H. J. SCHARDER, JR.
 EXECUTIVE DIRECTOR
 TYPED OR PRINTED

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Duane V. ...
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE
 502 540 6000 10 03 16
 AREA CODE NUMBER YEAR MO DAY

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

Chenoweth Hills		Report for	Feb-10			Tot. Exc.= 0				
Tot. Flow=	4.892		Concentrations					Pounds		
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	
2/1/10	0.139									
2/2/10	0.14	6	5	0.11	2	7.0056	5.838	0.128436	1.49	
2/3/10	0.14									
2/4/10	0.132									
2/5/10	0.38									
2/6/10	0.355									
2/7/10	0.253									
2/8/10	0.198									
2/9/10	0.17	7	3	0.11	1	9.9246	4.2534	0.155958	1.13	
2/10/10	0.158									
2/11/10	0.153									
2/12/10	0.158									
2/13/10	0.181									
2/14/10	0.173									
2/15/10	0.152									
2/16/10	0.135	13	4	0.17	2	14.6367	4.5036	0.191403	0.638	
2/17/10	0.107									
2/18/10	0.113									
2/19/10	0.122									
2/20/10	0.177									
2/21/10	0.228									
2/22/10	0.254									
2/23/10	0.167	9	5	0.28	1	12.53502	6.9639	0.389978	1.11	
2/24/10	0.166									
2/25/10	0.141									
2/26/10	0.119									
2/27/10	0.121									
2/28/10	0.16									
Average	0.175	8.75	4.25	0.17	1.41	11.03	5.39	0.22	1.09	
Maximum	0.380	13.00	5.00	0.28	2.00	14.64	6.96	0.39	1.49	



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

February 15, 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 PM on February 14, 2010, referencing Work Order 1015412 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: Due to an operational error, a bypass of approximately 510 gallons of wastewater did not receive full chlorine disinfection prior to being discharged to waters of the US. The bypassed wastewater did receive full primary and secondary treatment. MSD will review all operational guidelines, protocols and procedures with staff to ensure that all employees are properly trained to minimize the risk of future error.
- Period of noncompliance: Starting 08:20 AM on February 14, 2010 and stopping 08:23 AM on February 14, 2010.
- Steps taken or planned to reduce, eliminate and prevent recurrence: On February 15, 2010, MSD staff installed automatic backup switching equipment on the plant's Chlorine and Sulfur Dioxide feed system to prevent future disinfection/dechlorination bypasses due to equipment malfunctions or operational error.
- Additional comments: There are 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



Mr. Charlie Roth, District Supervisor
KY Division of Water
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eB File



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	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0263	4305 ST RENE CT		CHENOWETH RUN	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>
DISDW: DRY WEATHER DISCHARGE	1015412	02/14/10 08:20 AM	MARKS JR	SMITH	DOCUMENTED	09/27/02	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	02/14/10 08:23 AM	

Spot Inspections:

Discharge Amount	510 GAL
Cause:	OPERATOR FOUND NO CHLORINE FEED DUE TO LOW CHLORINE CYLINDER
Clean Up:	NO CLEAN UP REQUIRED
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO IMPACT OBSERVED
Repair:	OPERATOR CHANGED CHLORINE CYLINDER WITH A FULL ONE

Notifications:

02/14/10 10:38 AM	DISPUB	temporary signs posted to warn public of bypass
02/14/10 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov