



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

June 11, 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 – May 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 May 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 black ink, appearing to read "Duane V. Wright".

Duane V. Wright
Process Supervisor Central Region

DVW/Chenoweth Hills 05.10

Enclosures

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



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

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

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

NAME CHENOWETH HILLS WTC MSO
ADDRESS C/O CEDAR CREEK WTC
1435 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY CHENOWETH HILLS WTC MSO
LOCATION JEFFERSONTOWN KY 40299
ATTN: DENNIS THOMASOW, SR METRO OPS

170027454
PERMIT NUMBER

101
DISCHARGE NUMBER

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

DATE

MONITORING PERIOD						
YEAR	MO.	DAY	TO	YEAR	MO.	DAY

NOTE: Read Instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
GENERAL EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT					16	20		4	1/2	GR
GENERAL EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	300	700	100ML			
COB. CARBOXYLIC ACID	SAMPLE MEASUREMENT	3	5	LRB/DY		3	3		4	1/2	CP
COB. CARBOXYLIC ACID	PERMIT REQUIREMENT	300	100	LRB/DY		300	100	100ML			
	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
M. J. SCHARDIN, 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.

Dennis Thomasow, Sr.
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 502 540 6000
DATE 10 06 14
AREA CODE NUMBER YEAR MO DAY

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

Chenoweth Hills		Report for	May-10		Tot. Exc.= 0				
Tot. Flow=	4.815		Concentrations				Pounds		
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.
5/1/10	0.356								
5/2/10	0.646								
5/3/10	0.464								
5/4/10	0.201								
5/5/10	0.129								
5/6/10	0.107	5	3	0.56	20	4.4619	2.67714	0.499733	0.276
5/7/10	0.1								
5/8/10	0.102								
5/9/10	0.101								
5/10/10	0.086	9	3	0.5	14	6.45516	2.15172	0.35862	0.672
5/11/10	0.087								
5/12/10	0.114								
5/13/10	0.093								
5/14/10	0.096								
5/15/10	0.1								
5/16/10	0.165								
5/17/10	0.174	6	3.26	0.34	20	8.70696	4.730782	0.493394	0.435
5/18/10	0.166								
5/19/10	0.127								
5/20/10	0.122								
5/21/10	0.141								
5/22/10	0.19								
5/23/10	0.157								
5/24/10	0.122	3	3	0.055	11	3.05244	3.05244	0.055961	1.17
5/25/10	0.105								
5/26/10	0.099								
5/27/10	0.088								
5/28/10	0.087								
5/29/10	0.093								
5/30/10	0.092								
5/31/10	0.105								
Average	0.155	5.75	3.07	0.36	15.75	5.67	3.15	0.35	0.64
Maximum	0.646	9.00	3.26	0.56	20.00	8.71	4.73	0.50	1.17



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May 4, 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 May 03, 2010, referencing Work Order 1062499 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 May 2 & 3 2010, due to increased plant flow caused by a storm event, the influent splitter box and surge basin overflowed resulting in a wet weather discharge to the waters of the U.S. Approximately 97,700 gallons overflowed. The plant aeration system was shut off prior to bypassing. The design flow for this plant is 0.200 MGD. The peak flow for this event was 0.805 MGD. The total flow for May 2 was 0.646 MGD and 0.464 for May 3.
- Period of noncompliance: Starting 03:58 PM on May 02, 2010 and stopping 08:15 AM on May 03, 2010.
- Steps taken or planned to reduce, eliminate and prevent recurrence: Plant stopped bypassing when flows 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





Report Selections: Excluding PPI, CSO, 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>
DISREV: RAIN EVENT DISCHARGE	1062499	05/02/10 03:58 PM	ELDER	VIERLING	DOCUMENTED	09/27/02	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/03/10 08:15 AM	

Spot Inspections:

Discharge Amount:	97,700 GAL
Cause:	LACK OF CAPACITY DUE TO STORM EVENT IN THE AREA
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	CONTAINED ON MSD PROPERTY BEHIND A 6' FENCE
Impact:	PERSONAL HYGIENE PRODUCTS, SEWAGE & DEBRIS WAS OBSERVED
Repair:	THIS SITE WAS FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR

Notifications:

05/02/10 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/02/10 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
05/12/10 09:23 AM	DISPUB	MSD advised customer on site



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KY Division of Water
Louisville Regional Office
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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 May 03, 2010, referencing Work Order 1062496 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 May 2 & 3 2010, 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 9,770 gallons overflowed. The design flow to this plant is 0.200 MGD. The peak plant flow during this event was .805 MGD. The total daily plant flow was 0.646 on May 2 and 0.464 MGD on May 3.
- Period of noncompliance: Starting 03:58 PM on May 02, 2010 and stopping 08:15 AM on May 03, 2010.
- 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



Report Selections: Excluding PPI, CSO, 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>
DISREV: RAIN EVENT DISCHARGE	1062496	05/02/10 03:58 PM	ELDER	VIERLING	DOCUMENTED	09/27/02	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/03/10 08:15 AM	

Spot Inspections:

Discharge Amount:	9,770 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVEN IN THE AREA
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	CONTAINED ON MSD PROPERTY BEHIND A 6' FENCE
Impact:	SEWAGE OBSERVED
Repair:	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR

Notifications:

05/02/10 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/02/10 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
05/12/10 09:25 AM	DISPUB	MSD advised customer on site



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May 4, 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 STP – KPDES Permit KY0029459

Dear Mr. Roth:

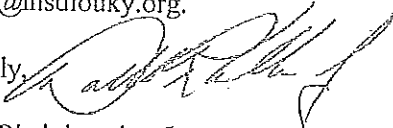
This plant experienced a bypass event and has been reported through our electronic notification system at approximately 12:28 PM on May 01, 2010, referencing Work Order 1062181 as a rain event discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: On May 1, 2010, due to increased plant flow caused by a storm event, this plant bypassed an estimated 41,944 gallons of biosolids to Waters of the U.S. The bypassed volume received full disinfection treatment. The design plant flow is 0.200 mgd. The peak plant flow rate during the time of bypass was 0.600 mgd. The total daily plant flow was 0.356 mgd. Due to an increased volume of the creek during this storm event, no negative visual impact of the plant effluent receiving stream was noticed.
- Period of noncompliance: Starting 12:28 PM on May 01, 2010 and stopping 14:23 PM on May 01, 2010.
- Steps taken or planned to reduce, eliminate and prevent recurrence: We reduced plant aeration timers to stop this bypass. In the future, we will reduce plant aeration timers prior to bypassing.

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,


Donald Rheinlaender, Jr.
Process Supervisor-Operations

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





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

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region						
KY0029459	MSD0263	CHENOWETH HILLS	CHENOWETH RUN	CENT						
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					
Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	1062181	05/01/10 12:28 PM	SINGLETON	OTTO	DOCUMENTED	09/27/02	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/01/10 02:23 PM	

Spot Inspections:

Discharge Amount	41,944 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA
Clean Up:	NO DEBRIS OBSERVED
Control Zone:	NO CONTROL ZONE- PIPE DISCHARGE SUBMERGED
Impact:	NO IMPACT OBSERVED- PIPE DISCHARGE SUBMERGED
Repair:	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR

Notifications:

05/01/10 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/01/10 01:00 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/07/10 01:13 PM	DISPUB	No public notification occurred.