



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

February 8, 2013

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 – January 2013**

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 January 2013.

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 1.13

Enclosures

cc: R. Shaw
T. Singleton



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

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

Form Approved
OMB No. 2040-0004

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

NAME: CEDAR CREEK WQTC
ADDRESS: 8405 CEDAR CREEK RD
LOUISVILLE, KY 40211
FACILITY: CHENOWETH HILLS WQTC MSD
LOCATION: 4305 ST RENE CT
JEFFERSONTOWN, KY 40299
ATTN: KEVIN RIES

KY0029459	001-1
PERMIT NUMBER	DISCHARGE NUMBER

DMR Mailing ZIP CODE: 40211
MINOR
(SUBR LV) JEFFE
SANITARY WASTEWATER
External Outfall

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
FROM 01/01/2013	TO 01/31/2013

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
00300 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	7	*****	*****		0	1/1	GR
	PERMIT REQUIREMENT	*****	*****	*****	7 INST MIN	*****	*****	mg/L		Weekly	GRAB
pH	SAMPLE MEASUREMENT	*****	*****	*****	7	*****	8		0	1/1	GR
	PERMIT REQUIREMENT	*****	*****	*****	6 MINIMUM	*****	9 MAXIMUM	SU		Weekly	GRAB
00530 1 0 Effluent Gross	SAMPLE MEASUREMENT	7	19		*****	5	11		0	1/7	CP
	PERMIT REQUIREMENT	50 30DA AVG	100 DAILY MX	lb/d	*****	30 30DA AVG	60 DAILY MX	mg/L		Weekly	COMPOS
00610 1 2 Effluent Gross	SAMPLE MEASUREMENT	0.6	0.7		*****	0.5	0.5		0	1/7	CP
	PERMIT REQUIREMENT	16.7 30DA AVG	33.4 DAILY MX	lb/d	*****	10 30DA AVG	20 DAILY MX	mg/L		Weekly	COMPOS
00665 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	2.5	3.5		0	1/7	CP
	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. MO AVG	Req. Mon. DAILY MX	mg/L		Weekly	COMPOS
50050 1 0 Effluent Gross	SAMPLE MEASUREMENT	0.182	0.835		*****	*****	*****	*****	0	CN	CN
	PERMIT REQUIREMENT	Req. Mon. 30DA AVG	Req. Mon. INST MAX	MGD	*****	*****	*****	*****		Continuous	CONTIN
50060 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.010	<0.010		0	1/1	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	.011 30DA AVG	.019 DAILY MX	mg/L		Weekly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <i>Greg Heitman</i> EX 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 <i>Greg Heitman</i>	TELEPHONE	DATE
			AREA Code	NUMBER
			502 5406000	02/21/2013

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

Parameter 00610 - Use Season 1 for summer months (May, June, July, August, September, and October) and Season 2 for winter months (November, December, January, February March, and April); enter NODI=9 for the Season not needed.

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

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

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LOCATION: 4305 ST RENE CT
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ATTN: KEVIN RIES

KY0029459	001-1
PERMIT NUMBER	DISCHARGE NUMBER

DMR Mailing ZIP CODE: 40211
MINOR
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SANITARY WASTEWATER
External Outfall

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
FROM	01/01/2013	TO	01/31/2013

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Coliform, fecal general 74055 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	13	28		0	1/3	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	200 30DA GEO	400 7 DA GEO	#/100mL		Weekly	GRAB
BOD, carbonaceous, 05 day, 20 C 80082 1 0 Effluent Gross	SAMPLE MEASUREMENT	4	7		*****	3	4		0	1/3	CP
	PERMIT REQUIREMENT	50 30DA AVG	100 DAILY MX	lb/d	*****	30 30DA AVG	60 DAILY MX	mg/L		Weekly	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <i>Greg Breitenman</i> EX DIR.	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.	TELEPHONE 502.540.6000	DATE 02/21/2013
			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Greg Breitenman</i>

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

Parameter 00610 - Use Season 1 for summer months (May, June, July, August, September, and October) and Season 2 for winter months (November, December, January, February March, and April); enter NODI=9 for the Season not needed.

Chenoweth Hills		Report for	Jan-13			Tot. Exc.= 0				
Tot. Flow= 5.64015		Concentrations			Pounds					
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	
1/1/13	0.208	11	4	0.39		19.10	6.95	0.68	2.16	
1/2/13	0.160				10					
1/3/13	0.148									
1/4/13	0.130									
1/5/13	0.137									
1/6/13	0.145									
1/7/13	0.119									
1/8/13	0.117	2	2	0.5		1.95	1.95	0.49	3.53	
1/9/13	0.111				13					
1/10/13	0.114									
1/11/13	0.188									
1/12/13	0.169									
1/13/13	0.835									
1/14/13	0.380									
1/15/13	0.220									
1/16/13	0.209									
1/17/13	0.177	2	2	0.45		2.95	2.95	0.66	1.66	
1/18/13	0.138				28					
1/19/13	0.158									
1/20/13	0.143									
1/21/13	0.133									
1/22/13	0.121	4	3	0.45		4.05	3.04	0.46	2.76	
1/23/13	0.118				9					
1/24/13	0.104									
1/25/13	0.112									
1/26/13	0.119									
1/27/13	0.127									
1/28/13	0.128									
1/29/13	0.132									
1/30/13	0.345									
1/31/13	0.193									
Average	0.182	4.75	2.75	0.45	13.45	7.01	3.72	0.57	2.53	
Maximum	0.835	11.00	4.00	0.50	28.00	19.10	6.95	0.68	3.53	

January 16, 2013

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:

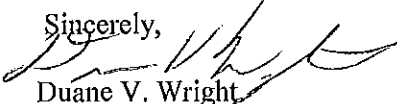
This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 AM on January 13, 2013, referencing Work Order 1623346 as a wet weather discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: On January 13, 2013, due to increased plant flow caused by storm event, the chlorine contact tank overflowed, and resulted in a wet weather bypass to the waters of the U.S. Plant aeration was shut off prior to overflow. Surge basin was also full. Approximately 26,700 gallons overflowed. The design flow to this plant is 0.200 MGD. The peak plant flow during this event was 1.359
- Period of noncompliance: Starting 07:40 PM on January 13, 2013 and stopping 10:38 PM on January 13, 2013.
- Steps taken or planned to reduce, eliminate and prevent recurrence: If operational needs for resources allow, MSD will haul water from the plant.

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 duane.wright@louisvillemsd.org.

Sincerely,



Duane V. Wright
Process Supervisor-Operations

cc: Courtney Seiz, KDEP
Paula Purifoy, Wes Sydnor, Kevin Ries, Robert Bates - MSD
eB File





Report Selections: Excluding PPI, CSO, Excluding LAT and SSL, Result: WUS, Act Code: DISDW, DISREV

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

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	1623346	01/13/13 07:40 PM	GREEN	OPS BSHIFT CENTRAL	DOCUMENTED	09/27/02	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATER S	01/13/13 10:38 PM	

Spot Inspections:

Discharge Amount:	26,700 GAL
Cause:	LACK OF CAPACITY IN THE CHLORINE TANK
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SOLIDS OBSERVED
Repair:	CL2 TANK BEING HAULED

Notifications:

01/13/13 08:37 PM	DISPUB	
01/13/13 08:37 PM	DISNOT	
01/13/13 08:37 PM	DISSNO	
01/13/13 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov and LisaA.Jeffries@ky.gov
01/13/13 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@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:

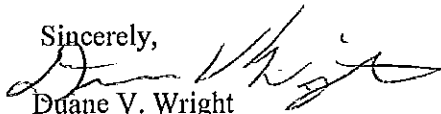
This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 AM on January 13, 2013, referencing Work Order 1623302 as a wet weather discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: On January 13, 2013, due to increased plant flow caused by storm event, the surge tank flowed into the effluent line and mixed with the plant effluent, and resulted in a wet weather bypass to the waters of the U.S. Plant aeration was shut off prior to overflow. Surge basin was full. Approximately 600,625 gallons overflowed. The design flow to this plant is 0.200 MGD. The peak plant flow during this event was 1.359 MGD. The total flow for this bypass event was .560 MG
- Period of noncompliance: Starting 04:05 PM on January 13, 2013 and stopping 05:00 AM on January 14, 2013.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD will plug the line to effluent pipe.

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 duane.wright@louisvillemsd.org.

Sincerely,


Duane V. Wright
Process Supervisor-Operations

cc: Courtney Seiz, KDEP
Paula Purifoy, Wes Sydnor, Kevin Ries, Robert Bates - MSD
eB File





Initiated Jan 01, 2013 12:00 AM thru Jan 31, 2013 11:59 PM

Report Selections: Excluding PPI, CSO, Excluding LAT and SSL, 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
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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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Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	1623302	01/13/13 04:05 PM	MARKS JR	OPS BSHIFT CENTRAL	DOCUMENTED	09/27/02	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATER S	01/14/13 05:00 AM	

Spot Inspections:

Discharge Amount:	600,625 GAL
Cause:	SURGE TANK FULL; DISCHARGE PIPE MIXING WITH CLARIFIER EFFLUENT
Clean Up:	PIPE DISCHARGE SUBMERGED- NO CLEAN UP
Control Zone:	TEMPORARY SIGNS PLACED
Impact:	NO IMPACT OBSERVED- PIPE DISCHARGE SUBMERGED
Repair:	SURGE TANK LINE HAS BEEN PLUGGED

Notifications:

01/13/13 05:21 PM	DISPUB	msd used signs to warn public
01/13/13 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov and LisaA.Jeffries@ky.gov
01/13/13 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@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 AM on January 13, 2013, referencing Work Order 1623401 as a wet 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: On January 13, 2013, the effluent pipe to the effluent pump station failed, and resulted in a wet weather bypass to the waters of the U.S. Plant aeration was shut off prior to overflow. Surge basin was full. Approximately 45,000 gallons received full treatment, but did not reach the permitted discharge point. The design flow to this plant is 0.200 MGD. The peak plant flow during this event was 1.359 MGD
- Period of noncompliance: Starting 07:40 PM on January 13, 2013 and stopping 10:40 AM on January 14, 2013.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD has repaired the pipe.

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 duane.wright@louisvilleinsd.org.

Sincerely,



Duane V. Wright
Process Supervisor-Operations

cc: Courtney Seiz, KDEP
Paula Purifoy, Wes Sydnor, Kevin Ries, Robert Bates - MSD
eB File





Report Selections: Excluding PPI, CSO, Excluding LAT and SSL, Result: WUS, Act Code: DISDW, DISREV

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

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	1623401	01/13/13 07:40 PM	GREEN	OPS CSHIFT	DOCUMENTED	09/27/02	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATER S	01/14/13 10:40 AM	

Spot Inspections:

Discharge Amount:	45,000 GAL
Cause:	EFFLUENT PIPE TO EFFLUENT PUMP STATION FAILED
Clean Up:	NO DEBRIS
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO IMPACT OBSERVED
Repair:	CONTRACTOR HAVE REPAIRED THE PIPE

Notifications:

01/13/13 11:13 PM	DISPUB	TEMPORARY SIGNS POSTED AROUND THE EFFECTED AREA
01/13/13 11:14 PM	DISNOT	
01/13/13 11:14 PM	DISSNO	
01/13/13 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov and LisaA.Jeffries@ky.gov
01/13/13 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov