



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

June 11, 2010

Ms. Carolena Bentley, DMR Coordinator
Kentucky Division of Water
200 Fair Oaks Lane, 4th Floor
Frankfort, Kentucky 40601

Re: MSD Metro Operations
Lake Forest WQTC (aka Chenoweth Run WQTC)
KPDES No.: KY0042226
Discharge Monitoring Reports – May 2010

Dear Ms. Bentley:

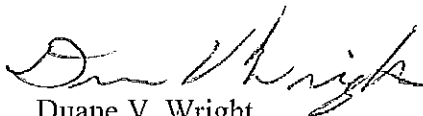
Attached is the Discharge Monitoring Reports (DMRs) and the Monthly Operating Report (MOR) for the Lake Forest WQTC (aka Chenoweth Run WQTC), KPDES No.: KY0042226 for the month of May 2010.

Also attached is the bypass letters and overflow report.

There were no exceedences.

If you have any questions concerning the attached DMR's, please contact me at (502) 239-7574.

Sincerely,


Duane V. Wright
Process Supervisor Central Region

DVW/ Lake Forest 05.10

Enclosures

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



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

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

NAME CHENOWETH RUN WQIC
ADDRESS C/O CEDAR CREEK WQIC
4405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY CHENOWETH RUN WQIC
LOCATION LOUISVILLE KY 40223
ATTN: DENNIS THOMASSEN, SR METRO OPS

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

17704422	101
PERMIT NUMBER	DISCHARGE NUMBER

MINOR
(SUPP LV)
F - FINAL
SANITARY WASTEWATER
EFFLUENT
*** NO DISCHARGE ***

MONITORING PERIOD						
YEAR	MO.	DAY	TO	YEAR	MO.	DAY

FROM

TO

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			
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT				9				✓	1/10	CR
00300 I O O EFFLUENT GROSS VALUE	PERMIT REQUIREMENT				INST MIN			MG/L			
PH	SAMPLE MEASUREMENT				7.1		7.2		✓	1/10	CR
00400 I O O EFFLUENT GROSS VALUE	PERMIT REQUIREMENT				MINIMUM		MAXIMUM	SV			
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	15	21			5	6		✓	1/12	CR
00500 I O O EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	30DA AVG	DAILY MX	LBS/DY		30DA AVG	DAILY MX	MG/L			
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	5.82	7.4			2	2		✓	1/10	CR
00610 I O O EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	30DA AVG	DAILY MX	LBS/DY		30DA AVG	DAILY MX	MG/L			
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT					3.4	4.4		✓	1/10	CR
00665 I O O EFFLUENT GROSS VALUE	PERMIT REQUIREMENT					REPORT	REPORT	MG/L			
LEAK IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.448	0.843						✓	EN	EN
00800 I O O EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT	MGD						UNUS	
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT					40.00	40.00		✓	1/10	CR
00860 I O O EFFLUENT GROSS VALUE	PERMIT REQUIREMENT					30DA AVG	DAILY MX	MG/L			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H. S. SHARDEW, 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 V. Thomas
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
502	540 6000	10	06	14
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 RUN WQTC
 ADDRESS C/O CEDAR CREEK WQTC
 8400 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY CHENOWETH RUN WQTC
 LOCATION LOUISVILLE KY 40223
 ATTN: DENNIS THOMAS/IN. SR METRO OPS

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

KY0049333
 PERMIT NUMBER
 DISCHARGE NUMBER

MINOR
 (SUBR LV)
 6 - FINAL
 SANITARY WASTEWATER
 EFFLUENT
 *** NO DISCHARGE () ***

Form Approved
 OMB No. 2040-0004

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			
GENERAL	SAMPLE MEASUREMENT					2	2			1/12	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT					300A GED	7 DA GED	100ML			
505, CARBONACEOUS	SAMPLE MEASUREMENT	8.3	9.2			3	3			1/12	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	300A AVG	DAILY MX	LB/DY		300A AVG	DAILY MX	MG/L			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 H.J. SCHANDORF, 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
 502 541-6000
 DATE
 10 06 14
 AREA CODE NUMBER YEAR MO DAY

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

LAKE FOREST		Report for	May-10		Tot. Exc.=					
Tot. Flow=	13.897		Concentrations				Pounds		Conc.	
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	T Phos	
5/1/10	0.574									
5/2/10	0.813									
5/3/10	0.843									
5/4/10	0.749									
5/5/10	0.599									
5/6/10	0.366	4	3	2.41	2	12.210	9.157	7.356	1.68	
5/7/10	0.445									
5/8/10	0.384									
5/9/10	0.397									
5/10/10	0.348	5	3	2.07	2	14.512	8.707	6.008	3.25	
5/11/10	0.356									
5/12/10	0.446									
5/13/10	0.422									
5/14/10	0.381									
5/15/10	0.375									
5/16/10	0.409									
5/17/10	0.425	6	2.42	1.68	2	21.267	8.578	5.955	4.4	
5/18/10	0.378									
5/19/10	0.337									
5/20/10	0.367									
5/21/10	0.408									
5/22/10	0.609									
5/23/10	0.45									
5/24/10	0.395	4	2	1.2	2	13.177	6.589	3.953	4.23	
5/25/10	0.361									
5/26/10	0.33									
5/27/10	0.372									
5/28/10	0.35									
5/29/10	0.363									
5/30/10	0.356									
5/31/10	0.489									
Average	0.448	4.75	2.61	1.84	2.00	15.29	8.26	5.82	3.39	
Maximum	0.843	6.00	3.00	2.41	2.00	21.27	9.16	7.36	4.40	



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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 Run WQTC- KPDES Permit: KY0042226

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 1062502 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 aeration basins overflowed, resulting in a wet weather discharge to the waters of the U.S. Plant aeration was shut off prior to the bypass. Approximately 94,500 gallons overflowed. Plant design flow is 0.470 MGD. The peak plant flow during this bypass was 0.865 MGD. The total plant flow for May 2 was 0.813 MGD and 0.843 MGD on May 3.
- Period of noncompliance: Starting 03:00 PM on May 02, 2010 and stopping 12:30 AM on May 03, 2010.
- Steps taken or planned to reduce, eliminate and prevent recurrence: Bypass was stopped once plant 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)-239-7574, 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
eB File





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

KPDES # KY0042226	Facility ID MSD0403	Water Quality Treatment Center CHENOWETH RUN		Receiving Stream of Treatment Center CHENOWETH RUN	Region CENT					
Facility Type SPL Sewer Treatment Plant	Facility ID MSD0403	Facility Address 14000 BECKLEY TRCE	If Pump Station, Name of Pump Station:	Receiving Stream CHENOWETH RUN	Discharge to GROUND					
Activity Code / Description DISREV: RAIN EVENT DISCHARGE	WO # 1062502	Initiated 05/02/10 03:00 PM	Initiated By ELDER	Assigned To BRAZEL	Disch Status DOCUMENTED	Event Date 05/20/05	Problem BYPASS AT WQTC	Result UNAUTHORIZED DISCHARGE - WATERS	Completed 05/03/10 12:30 AM	Condition

Spot Inspections:

Discharge Amount:	94,500 GAL
Cause:	LACK OF CAPACITY DUE TO RAIN EVENT 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 09:24 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 Run WQTC- KPDES Permit: KY0042226

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 1062505 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 lagoon overflowed, resulting in a wet weather discharge to the waters of the U.S. A trash pump was put in place to alleviate pressure on the earthen wall of the lagoon. Approximately 540,000 gallons was pumped out of the lagoon. The design plant flow is 0.470 MGD. The peak plant flow for this event was 0.865 MGD. The total flow on May 2 was 0.813 MGD and 0.843 MGD on May 3.
- Period of noncompliance: Starting 03:45 PM on May 02, 2010 and stopping 09:45 PM on May 03, 2010.
- Steps taken or planned to reduce, eliminate and prevent recurrence: Bypass stopped once plant 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)-239-7574, 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
eB File





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

KPDES # KY0042226 (Cont'd)
 Facility ID MSD0403
 Water Quality Treatment Center CHENOWETH RUN
 Receiving Stream of Treatment Center CHENOWETH RUN
 Region CENT

<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	1062505	05/02/10 03:45 PM	ELDER	BRAZEL	DOCUMENTED	05/20/05	PUMPED OVERFLOW	UNAUTHORIZED DISCHARGE - WATERS	05/03/10 09:45 PM	

Spot Inspections:

Discharge Amount:	540,000 GAL
Cause:	WASTE LEVEL OVERTOPPING CATCH BASIN
Clean Up:	NO DEBRIS
Control Zone:	CONTAINED ON MSD PROPERTY
Impact:	SEWAGE OBSERVED
Repair:	POND LEVEL WAS LOWERED TO PREVENT OVERTOPPING BASIN.

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

Total Facilities Printed: 131
Total Work Orders Printed: 149