



MSD

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

May 21, 2008\

Ms. Kathy Thurman
Kentucky Division of Water
14 Reilly Road
Frankfort, Kentucky 40601

**Re: MSD Metro Operations
Lake Forest WTP (aka Chenoweth Run WTP)
KPDES No.: KY0042226
Discharge Monitoring Reports – April 2008**

Dear Ms. Thurman:

Attached is the Discharge Monitoring Reports (DMRs) and the Discharge Reports for the Lake Forest WTP (aka Chenoweth Run WTP), KPDES No.: KY0042226 for the month of April 2008. Also enclosed is the Bypass Report letter for April 2008. There was one violation for the month. The violation was for monthly average on BOD which was direct result of elevated plant flows. If you have any questions concerning the attached DMRs, please contact me at (502) 239-7695.

Sincerely,

James E. Porter Jr.
Process Supervisor Central Region

JEP/ Lake Forest 0408

Enclosures

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



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April 7, 2008

Mr. Charlie Roth, District Supervisor
KY Division of Water
Louisville Regional Office
9116 Leesgate Road
Louisville, KY 40222-5084

**Re: Bypass Report for the Lake Forest WTP (Chenoweth Run) – KPDES Permit
KY0042226**

Dear Mr. Roth:

This plant experienced a bypass event starting at 5:55 AM on April 4, 2008 and stopping at 3:00 PM on April 4, 2008. This was reported through our electronic notification system at approximately 1:00 PM on April 4, 2008, referencing Work Order #765519, 765534, 765532, 765524 as a Rain Event Discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

An estimated amount of 405,000 gallons of wastewater overflowed from secondary clarifiers. This was a result of excessive flow entering plant during the rain event on April 4, 2008 causing the secondary clarifiers to overflow. The entire overflow reached waters of the US and cleanup was performed by plant personnel.

Please advise if you have any questions concerning this information. You can contact me at my office (502) 239-7695 or via my cell phone (502) 523-9957.

Sincerely,

James E. Porter Jr.
Central Region Supervisor

cc: D. Guthrie R. Shaw/File B. Bingham Angela Akridge
D. Thomasson M. Jenkins D. Talley



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

KPDES # KY0042226	Facility ID MSD0403	Treatment Plant Name LAKE FOREST/BECKLEY WOODS	Receiving Stream of Treatment Plant 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				
<u>Activity Code / Description</u> DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> 765524	<u>Initiated</u> 04/04/08 12:00 AM	<u>Initiated By</u> ELDER	<u>Assigned To</u> LAMB DIN JR	<u>Disch Status</u> DOCUMENTED	<u>Event Date</u> 05/20/05	<u>Problem</u> BYPASS AT TREATMENT PLANT	<u>Result</u> DISCHARGE TO WATERS OF THE US	<u>Completed</u> 04/04/08 04:00 PM

Spot Inspections:

Discharge Amount:	135,000 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	NO CONTROL ZONE- MSD PROPERTY
Impact:	SEWAGE OBSERVED OVERFLOWING PLANT 2 AERATION BASIN TO CREEK
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY 12/31/08

Notifications:

04/04/08 12:58 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
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Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0042226 (Cont'd)	MSD0403	LAKE FOREST/BECKLEY WOODS	CHENOWETH RUN	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>
DISREV: RAIN EVENT DISCHARGE	766519	04/04/08 05:55 AM	ELDER	LAMBDIN JR	DOCUMENTED	05/20/05	BYPASS AT TREATMENT PLANT	DISCHARGE TO WATERS OF THE US	04/04/08 03:00 PM

Spot Inspections:

Discharge Amount: 540,000 GAL
Cause: LACK OF SYSTEM CAPACITY DUE TO RAIN
Clean Up: MSD CLEANED & SANITIZED THE AREA
Control Zone: NO CONTROL ZONE- ON MSD PROPERTY
Impact: SEWAGE OBSERVED OVERFLOWING PLANT 1 AERATION BASIN TO CREEK
Repair: THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY 12/31/08

Notifications:

04/04/08 12:58 AM Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

KPDES #	Facility ID	Treatment Plant Name		Receiving Stream of Treatment Plant		Region			
KY0042226 (Cont'd)	MSD0403	LAKE FOREST/BECKLEY WOODS		CHENOWETH RUN		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>
DISREV: RAIN EVENT DISCHARGE	765532	04/04/08 05:55 AM	ELDER	LAMB DIN JR	DOCUMENTED	05/20/05	BYPASS AT TREATMENT PLANT	DISCHARGE TO WATERS OF THE US	04/04/08 03:00 PM

Spot Inspections:

Discharge Amount: 135,000 GAL
Cause: LACK OF SYSTEM CAPACITY DUE TO RAIN
Clean Up: MSD CLEANED & SANITIZED THE AREA
Control Zone: NO CONTROL ZONE- ON MSD PROPERTY
Impact: SEWAGE OBSERVED OVERFLOWING PLANT 3 AERATION BASIN TO CREEK
Repair: THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY 12/31/08

Notifications:

04/04/08 12:58 AM Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

KPDES #	Facility ID	Treatment Plant Name				Receiving Stream of Treatment Plant			Region
KY0042226 (Cont'd)	MSD0403	LAKE FOREST/BECKLEY WOODS				CHENOWETH RUN			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>
DISREV: RAIN EVENT DISCHARGE	765534	04/04/08 05:55 AM	ELDER	LAMBDIN JR	DOCUMENTED	05/20/05	BYPASS AT TREATMENT PLANT	DISCHARGE TO WATERS OF THE US	04/04/08 03:00 PM

Spot Inspections:

Discharge Amount:	81,000 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	NO CONTROL ZONE- ON MSD PROPERTY
Impact:	SEWAGE OBSERVED OVERFLOWING PLANT 4 AERATION BASIN TO CREEK
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY 12/31/08

Notifications:

04/04/08 12:58 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
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Total Facilities Printed: 107
Total Work Orders Printed: 115

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

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

Form Approved.
OMB No. 2040-0004

NAME LAKE FOREST MSD
ADDRESS C/O CEDAR CREEK STP
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY LAKE FOREST MSD
LOCATION LOUISVILLE KY 40223
ATTN: DENNIS THOMASSON, SR METRO OPS

KY0042226 PERMIT NUMBER
001 2 DISCHARGE NUMBER

MINOR (SUBR LV)
F - FINAL JEFFE
SANITARY WASTEWATER EFFLUENT
*** NO DISCHARGE [] ***

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
03	07	01		03	04	30

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)		*****	*****		9.4	*****	*****	(19)		1/7	GRAB
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	INST MIN	*****	*****	MG/L		WEEKLY	GRAB
PH		*****	*****		6.7	*****	6.9	(12)		1/7	GRAB
00800 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	MINIMUM	*****	MAXIMUM	SU		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED		*****	*****	(26)	*****	*****	*****	(19)		1/7	COMPOS
00520 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	30DA AVG	DAILY MX	LBS/DY	*****	30DA AVG	DAILY MX	MG/L		WEEKLY	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)		*****	*****	(26)	*****	*****	*****	(19)		1/7	COMPOS
00610 1 2 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	30DA AVG	DAILY MX	LBS/DY	*****	30DA AVG	DAILY MX	MG/L		WEEKLY	COMPOS
PHOSPHORUS, TOTAL (AS P)		*****	*****		*****	*****	*****	(19)		1/7	COMPOS
00625 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT		*****	*****	(03)	*****	*****	*****			CONT	CONT IN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	30DA AVG	INST MAX	MGD	*****	*****	*****	****		CONT	CONT IN
CHLORINE, TOTAL RESIDUAL		*****	*****		*****	*****	*****	(19)		1/7	GRAB
50020 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	30DA AVG	DAILY MX	MG/L		WEEKLY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
W. S. SHARON
RESIDENTIAL 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.

JAMES E. PAUL
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 502 540-6000
DATE 08 05 20
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)

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

Form Approved.
OMB No. 2040-0004

NAME LAKE FOREST MSD
ADDRESS C/O CEDAR CREEK STP
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY LAKE FOREST MSD
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ATTN: DENNIS THOMASSON, SR METRO OPS

KY0042226 PERMIT NUMBER
001 2 DISCHARGE NUMBER

MINOR (SUBR LV)
F - FINAL
SANITARY WASTEWATER EFFLUENT
*** NO DISCHARGE [] ***
JEFFE

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
08	04	01		08	04	30

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 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	1.00	1.00	(13)		1/7	GRAB
	PERMIT REQUIREMENT	*****	*****	****	*****	200	400	#/		WEEKLY	GRAB
BDP, CARBONACEOUS 05 DAY, ZOC 80082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	30.98	52.61	(24)	*****	10.75	19.00	(17)		1/7	COMP
	PERMIT REQUIREMENT	39.2	78.4		*****	10	20			WEEKLY	COMPUS
	PERMIT REQUIREMENT	30DA AVG	DAILY MX	LBS/DY		30DA 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
A. J. SCHRABO BIN 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.

Jama E. Portel
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 502 540-6000
DATE 08 05 20
AREA CODE NUMBER YEAR MO DAY

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