



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

June 22, 2009

Ms Carolena Bentley
DMR Coordinator
200 Fair Oaks Lane
Frankfort, Kentucky 40601

RE: Floyds Fork Wastewater Treatment Plant, KPDES No: KY0102784
Discharge Monitoring Report for May 2009.

Dear Ms Bentley

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Floyds Fork wastewater treatment plant for the month of May 2009.

Also included are the copy's of Bypass letters, and Over Flow Reports.

If you have any questions concerning the attached DMR's, please contact me at (502)241-9093.

Sincerely,

A handwritten signature in black ink, appearing to read "D.J. Rheinlaender", is written over a large, stylized graphic element that resembles a leaf or a drop.

D.J. Rheinlaender
Process Supervisor, East Region

DJR/ Floyds Fork 0509

Enclosures

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



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



700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
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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 Folyds Fork – KPDES Permit ky0102784

Dear Mr. Roth:

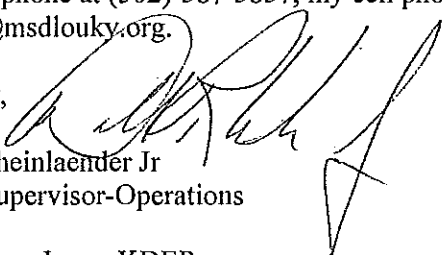
This plant experienced a bypass event and has been reported through our electronic notification system at approximately 15:45 PM on May 09, 2009, referencing Work Order 90614 as a wet weather bypass. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: The sand filter over flow, Due to high flow
- 's. Caused by rain event. We had to open the bypass gate to reduce the flow to the sand filter.
- Period of noncompliance: Starting 15:45 PM on May 09, 2009 and stopping 15:55 PM on May 09, 2009.
- Steps taken or planned to reduce, eliminate and prevent recurrence: When we for see the rainevent coming. We need to open the bypass gate 20% and if the flow increases it will not over load the sand filters..

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-587-5857, my cell phone at (502)-548-3209 or via email at rheinlae@msdlouky.org.

Sincerely,


Donald Rheinlaender Jr
Process Supervisor-Operations

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





700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
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May 11, 2009

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

Re: Bypass Report for the Flods Fork – KPDES Permit ky0102784

Dear Mr. Roth:

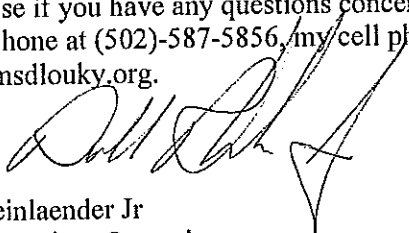
This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:05 AM on May 09, 2009, referencing Work Order 906059 as a wet weather bypass. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: The sand filter over flow, Due to high flow's.Caused by rain event. We had to open up the bypass gate to reduce the flow to the sand filters.
- Period of noncompliance: Starting 24:50 AM on May 09, 2009 and stopping 01:05 AM on May 09, 2009.
- Steps taken or planned to reduce, eliminate and prevent recurrence: When we for see a rain event coming. We need to open the bypass gate 20%, and if the flow increses it will not over load the sand filter..

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-587-5856, my cell phone at (502)-548-3209 or via email at rheinlae@msdlouky.org.

Sincerely,


donald Rheinlaender Jr
Process Supervisor-Operations

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



NAME MSD FLOYDS FORK STP
ADDRESS C/O CEDAR CREEK STP
4405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY MSD FLOYDS FORK STP
LOCATION LOUISVILLE KY 40245
ATTN: DENNIS THOMASSON, SR METRO DEP

KYD102784
PERMIT NUMBER

001
DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	05	01		07	05	01

MAJOR (SUFR LV)
F - FINAL
MUNICIPAL DISCHARGE EFFLUENT
*** NO DISCHARGE ***

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)		*****	*****		9	*****	*****	(17)	0	3/7	GP
00000 1 0 0 EFFLUENT GROSS VALUE		*****	*****	****	INST MIN	*****	*****	MG/L		FREE/	SPRS
PH		*****	*****		7.8	*****	*****	(12)	0	3/7	GP
00400 1 0 0 EFFLUENT GROSS VALUE		*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		FREE/	SPRS
SOLIDS, TOTAL SUSPENDED		*****	*****	(25)	*****	*****	*****	(17)	0	3/7	GP
00500 0 0 0 RAW SEW/INFLUENT		*****	*****	LBS/DY	*****	*****	*****	MG/L		FREE/	CONFUS
SOLIDS, TOTAL SUSPENDED		*****	*****	(25)	*****	*****	*****	(17)	0	3/7	GP
00530 1 0 0 EFFLUENT GROSS VALUE		*****	*****	LBS/DY	*****	*****	*****	MG/L		FREE/	CONFUS
NITROGEN, AMMONIA TOTAL (AS N)		*****	*****	(25)	*****	*****	*****	(17)	0	3/7	GP
00610 0 0 0 RAW SEW/INFLUENT		*****	*****	LBS/DY	*****	*****	*****	MG/L		FREE/	CONFUS
NITROGEN, AMMONIA TOTAL (AS N)		*****	*****	(25)	*****	*****	*****	(17)	0	3/7	GP
00610 1 0 0 EFFLUENT GROSS VALUE		*****	*****	LBS/DY	*****	*****	*****	MG/L		FREE/	CONFUS
PHOSPHORUS, TOTAL (AS P)		*****	*****	(25)	*****	*****	*****	(17)	0	3/7	GP
00665 1 0 0 EFFLUENT GROSS VALUE		*****	*****	****	*****	*****	*****	MG/L		FREE/	CONFUS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Exec Dir
H. J. Schardain Jr
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]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
DATE
AREA CODE NUMBER YEAR MO DAY
502 546 6800 09 06 14

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

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

NAME MGD FLOYDS FORK STP
ADDRESS C/O CEDAR CREEK STP
6405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY MGD FLOYDS FORK STP
LOCATION LOUISVILLE KY 40245
ATTN: DENNIS THOMASSEN, SR METRO OPS

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

XY0102764
PERMIT NUMBER
DOT 1
DISCHARGE NUMBER

MAJOR (SUBR LV)
F - FINAL
MUNICIPAL DISCHARGE EFFLUENT
*** NO DISCHARGE ***
JEFFE

MONITORING PERIOD						
YEAR	MO.	DAY	TO	YEAR	MO.	DAY
07	02	01		07	02	01

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			
FLOW IN CONDUIT OR THRU TREATMENT PLANT	2.57	5.72	(03)	*****	*****	*****					
EFFLUENT GROSS VALUE	REPORT	REPORT	MGD	*****	*****	*****	****				
COLIFORM, FECAL GENERAL	*****	*****		*****	7	23	(12)				
EFFLUENT GROSS VALUE	*****	*****	***	*****	200	300	100ML				
BOD, CARBONACEOUS 05 DAY, 20C	1414	1790	(26)	*****	71	98	(17)				
RAW SEW INFLUENT	REPORT	REPORT	LBS/DY	*****	REPORT	REPORT	NO/L				
BOD, CARBONACEOUS 05 DAY, 20C	62	72	(26)	*****	3	3	(17)				
EFFLUENT GROSS VALUE	271	407	LBS/DY	*****	10	15	MG/L				
BOD, CARB-S DAY, 20 DEG C. PERCENT REMVL	*****	*****		*****	96	*****	(25)				
PERCENT REMOVAL	*****	*****	***	*****	85	*****	PERCENT				
SOLIDS, SUSPENDED PERCENT REMOVAL	*****	*****		*****	96	*****	(25)				
PERCENT REMOVAL	*****	*****	***	*****	85	*****	PERCENT				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Exec. Dir
H. J. Schoorstein Jr
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

TELEPHONE NUMBER
DATE
YEAR MO DAY

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

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: May 2009
 KPDES PERMIT NUMBER KY0102784 PLANT CAPACITY 3.5 MGD RECEIVING STREAM FLOYDS FORK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		SETTLABLE SOLIDS (mg/L)			DISSOLVED OXYGEN (mg/L)			SUSPENDED SOLIDS (mg/L)			5 DAY CBOD (mg/L)			ACTIVATED SLUDGE			AERATION BASIN						SLUDGE HANDLING				FINAL				
		GRIT REMOVED (CUBIC FEET)	SCREENINGS (CUBIC FEET)	RAW	FINAL	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	STREAM ABOVE	FINAL EFFLUENT	STREAM BELOW	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RETURN		WAST. EG.	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	30 MIN.	60 MIN.	RAW		HAULED		PHOSPHORUS, TOTAL (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)			
																		GAL/DAY X 1000	MLSS X 1000							GAL/DAY X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS				% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000	
1	2.734			7.4													1.921	3320		6.8	1840	1360	190												
2	2.819																1.89																		
3	2.898										142	2	87	3	2.01																	0.11	0.06	720	
4	2.869			7.3	8.1				10.4		112	2	61	3	1.99	4860			4	2320	1720	250									0.12	0.06	4		
5	2.454			7.3	8.0				10.1		144	2	55	3	1.9	7440			3.7	2570	1890	280									0.12	0.06	4		
6	2.916			7.4	8.0				10.3							1.8	3960	2200		5.2	2910	2110	310												
7	3.335			7.5												1.95	5140			4.3	3230	2370	380					0.583							
8	4.573			7.5												2.11	6840			2.9	3420	2500	400												
9	5.421															1.77																			
10	3.461										42	4	31	3	1.7																0.11	0.06	17		
11	2.728			7.3	8.0				10.0		107	2	38	3	1.88	8530	4000		3	3890	1290	600								6060	0.10	0.06	7		
12	2.489			7.5	7.8				10.2		106	6	46	3	1.95	8030	6400		2.8	4230	3060	530								7560	0.22	0.06	4		
13	2.324			7.5	7.9				10.1							1.86	7200	5500		3.8	4700	3220	590					0.805		6300					
14	2.445			7.2												1.97	7720	5300		2.8	4790	3420	600							6180					
15	2.349			7.4												1.82	7670	3600		3.9	4620	3300	620							6300					
16	2.431															2.38															11300				
17	2.400										136	2	112	3	1.5																	0.10	0.06	4	
18	2.083			7.3	8.0				10.1		130	2	113	3	2.05	8560	6500		3.8	4590	3250	650								100	0.06	0.06	4		
19	1.998			7.3	8.1				9.3		156	2	70	3	1.9	7370	6200		4.1	4340	3150	650								6300	0.06	0.06	4		
20	2.452			7.4	8.1				9.3							1.21	7280	6000		4	4140	2940	660							6300					
21	1.540			7.4												1.21	8460	7100		5.1	3630	2670	550					0.73		7560					
22	1.857			7.3												2.19	4580	6300		4.7	3740	2680	560							5040					
23	1.953															1.81															2520				
24	1.908															2.08																			
25	2.406										106	2	60	3	1.87																37800	0.09	0.06	4	
26	2.051			7.5	8.2				9.2		194	2	96	3	2.1	6410	6300		3.8	4120	2930	640								6300	0.12	0.06	4		
27	2.061			7.7	8.2				8.8		179	2	77	3	1.66	7030	3900		4.6	3750	2690	650								5040	0.11	0.06	4		
28	2.054			7.4	8.2				8.9							1.53	6620	4100		4.8	3910	2800	700					1.03		5040					
29	2.191			7.5												1.74	5770	4500		3.8	3860	2770	850							5040					
30	2.310															1.79															2520				
31	2.016															1.6																			
Tot.	79.53															57.14															1E+05				
Avg.	2.565			7.4	8.1				9.7		130	3	71	3	1.843	6640	5193		4.095	3730	2606	523						0.787		7403	0.11	0.06	7		

RESIDENTIAL 24432 FLOW INDUSTRIAL WASTE POPULATION EQUIVALENT 8873 CBOD 13194 TSS michael g carter sr operator 6173 CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0 SEWERED POPULATION 0 X 4 = 0

587-5867 PLANT TELEPHONE



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
KY0102784 (Cont'd)	MSD0294	FLOYDS FORK	FLOYDS FORK	EAST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	906122	05/09/09 03:45 PM	MARKS JR	DUNN JR	DOCUMENTED	04/04/08	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/12/09 01:40 PM	

Spot Inspections:

Discharge Amount:	8,970,000 GAL
Cause:	HIGH INFLUENT FLOW CAUSED,SAND FILTERS TO OVERFLOW(30,000 GAL),SOLIDS TO WASH OUT OF SECONDARY TO CREEK(50,000 GAL) AND NO TERTIARY TREATMENT(8.89 MG)
Clean Up:	AREA CLEANED AND SANITIZED
Control Zone:	SIGNS POSTED
Impact:	SOLIDS OBSERVED LEAVING PLANT
Repair:	OPENED BYPASS GATE ON SAND FILTERS, TURNED OFF AERATORS, CLEANED SAND FILTERS AND FIXED COUPLING

Notifications:

05/09/09 06:52 PM	DISPUB	signs posted to warn public and msd updated web site
05/09/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/09/09 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

Total Facilities Printed: 38
Total Work Orders Printed: 41



Metropolitan Sewer District

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

KPDES # KY0102784	Facility ID MSD0294	Water Quality Treatment Center FLOYDS FORK	Receiving Stream of Treatment Center FLOYDS FORK	Region EAST
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Facility Type SPL Sewer Treatment Plant	Facility ID MSD0294	Facility Address 1100 BLUE HERON RD	If Pump Station, Name of Pump Station:	Receiving Stream FLOYDS FORK	Discharge to STREAM
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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>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	906059	05/09/09 12:50 AM	MARKS JR	KAISER	DOCUMENTED	04/04/08	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 01:50 AM	

Spot Inspections:

Discharge Amount:	20,000 GAL
Cause:	RAINEVENT CAUSED SURGE IN PLANT FLOW CAUSING SAND FILTERS TO OVERFLOW
Clean Up:	MSD CLEANED AND SANITIZED AREA
Control Zone:	TEMP SIGNS POSTED
Impact:	SOLIDS AND DEBRIS OBSERVED
Repair:	OPENED BYPASS GATE TO ALLEVIATE FLOW

Notifications:

05/09/09 11:50 AM	DISPUB	public notified by signs and msd website
05/09/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov