

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

October 10, 2012

Ms. Cheryl Edwards Kentucky Division of Water 200 Fair Oaks Lane, 4th Floor Frankfort, Kentucky 40601

RE:

Jeffersontown WQTC, KPDES No: KY0025194 Discharge Monitoring Report September 2012

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Jeffersontown WQTC KPDES No.: KY0025194 for the month of September 2012.

Also attached are bypass/blending letters, overflow reports and the third quarter biomonitoring DMR's.

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/Jeffersontown 9.12.doc

Enclosures

cc:

R. Shaw

T. Singleton



PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES) DISCHARGE MONITORING REPORT (DMR)

MONITORING PERIOD

TO

NAME	JEFFERSONTOWN WQTC MSD
ADDRESS	C/O CEDAR CREEK WQTC
	8405 CEDAR CREEK RD
	LOUISVILLE KY 40211
FACILITY	JEFFERSONTOWN WQTC

KY0025194 PERMIT NUMBER

001 2 DISCHARGE NUMBER

MO

09

DAY

YEAR

12

MAJOR (SUBR LV)

F-FINAL

JEFFE FLOW BOD TSS DO PH

EFFLUENT [] No Discharge

LOCATION LOUISVILLE KY 40299 ATTN: DENNIS THOMASSON SR. METRO OPS

YEAR MO DAY FROM 12 09 01

30 NOTE: Read instructions before completing this form

ATTN. DENNIS THUMASSON	SR. METRO OPS	<u> </u>				NO	TE: Read instruct	ions before	e com	pleting this	s form
PARAMETER .			QUANTITY OR LOADING	i 	QUALF	TY OR CONCENTRATION	1		NO EX	FREQUENCY	SAMPLE TYPE
·		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	"	ANALYSIS	
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	*****	*****	***	7	No No Shirt Shirt Shirt	****	(19) MG/L	0	1/1	GR
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	7 INST MIN	*****	ARRANA Caratagana ang ang ang	(19) MG/L		THREE/ WEEK	GRAB
PH	SAMPLE MEASUREMENT	*****	*****	***	6.7	*****	8.0	(12) SU	0	1/1	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	******	*****	***	6.0 MINIMUM	skrake Verdeske	9.0 MAXIMUM	(12) SU		THREE/ WEEK	GRAB
SOLIDS, TOTAL SUSPENDED	. SAMPLE MEASUREMENT	7379	10801	(26) LBS/DY	*****	289	396	(19) MG/L	0	1/1	СР
00530 G 0 0 RAW SEW/INFLUENT	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		THREE/ WEEK	COMPOS
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	163	212	(26) LBS/DY	*****	6	9	(19) MG/L	0	1/1	СР
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	1000 MO AVG	1501 MX WK AV	(26) LBS/DY .	*****	30 MO AVG	45 MX WK AV	(19) MG/L		THREE/ WEEK	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	453	534	(26) LBS/DY	*****	19	26	(19) MG/L	0	1/1	СР
00610 G 0 0 RAW SEW/INFLUENT	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	******	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		THREE/ WEEK	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	30	39	(26) LBS/DY	*****	1	1	(19) MG/L	0	1/1	СР
00610 1 1 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	133 MO AVG	200 MX WK AV	(26) LBS/DY	Mark warak w	4 MO AVG	6 MX WK AV	(19) MG/L		THREE/ WEEK	COMPOS
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	15	19	(26) LBS/DY	*****	0.6	0.7	(19) MG/L	0	1/1	СР
00665 1 1 1 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	33 MO AVG	50 MX WK AV	(26) LBS/DY	Mente	1.0 MO AVG	1.5 MX WK AV	(19) MG/L		THREE/ WEEK	COMPOS
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER GREG C. HEITZMAN INTERIM EXECUTIVE DIRECTOR	THE INFORMATION. I BELIE THERE ARE SIGNIFICANT	Y FO LAW THAT I HAVE PER BASED ON MY INQUIRY OF T EVE THE SUBMITTED INFOR	RSONALLY EXAMINED AMD AN THOSE INDIVIDALS IMMEDIAT MATION IS TRUE, ACCURATE IG FALSE INFORMATION, INCL 2 1319. (Pondities under these	M FAMILIAR WITH THE ELY RESPONSIBLE F AND COMPLETE 1 A	OR OBTAINING	1/1/		LEPHONE 540-60	200	DA	TE
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USE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

PERMITTEE NAME/ADDRESS (Include

LOCATION LOUISVILLE

Facility Name/Location if different)

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES) DISCHARGE MONITORING REPORT (DMR)

NAME	JEFFERSONTOWN WOTC MSD
ADDRESS	C/O CEDAR CREEK WQTC
	8405 CEDAR CREEK RD
	LOUISVILLE KY 40211
FACILITY	JEFFERSONTOWN WQTC

KY 40299

KY0025194 PERMIT NUMBER

001 2 DISCHARGE NUMBER **MAJOR** (SUBR LV)

F - FINAL

JEFFE FLOW BOD TSS DO PH

EFFLUENT [] No Discharge

MONITORING PERIOD MO DAY YEAR MO DAY FROM 12 09 01 TO 12 09 30

FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE BOD, CARBONACEOUS	SAMPLE MEASUREMENT PERMIT MEASUREMENT SAMPLE MEASUREMENT PERMIT MEASUREMENT SAMPLE MEASUREMENT SAMPLE MEASUREMENT PERMIT PERMIT MEASUREMENT PERMIT PERMIT	AVERAGE 3.17 REPORT MO AVG ******* 5425	MAXIMUM 3.65 REPORT MX WK AV *******	UNITS (03) MGD (03) MGD **** ****	MINIMUM ******* ******* ******	Y OR CONCENTRATION AVERAGE ****** ****** 2	TE: Read instructi	UNITS *** *** (13)	EX O	FREQUENCY OF ANALYSIS CN CONTIN	S form SAMPLE TYPE CN CONTIN
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE BOD, CARBONACEOUS	MEASUREMENT PERMIT MEASUREMENT SAMPLE MEASUREMENT PERMIT MEASUREMENT SAMPLE MEASUREMENT	AVERAGE 3.17 REPORT MO AVG *******	MAXIMUM 3.65 REPORT MX WK AV ******	UNITS (03) MGD (03) MGD **** ****	MINIMUM ******* ******* ******	AVERAGE ******	MAXIMUM *****	*** *** *** (13)	EX 0	OF ANALYSIS CN CONTIN UOUS	TYPE CN
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BOD, CARBONACEOUS	SAMPLE MEASUREMENT	5425			*****	200	400	(13)	and with	THREE/	GRAB
	MEASUREMENT	5425		***		30DA GEO	7 DA GEO	100ML		WEEK	
05 DAY, 20C M			7544	(26)	*****	216	286	(19)	0	1/1	CP
	PERMIT			LBS/DY				MG/L	-		
80082 G 0 0		REPORT	REPORT	(26)	shirt-ware.	REPORT	REPORT	(19)	erre flesh Jave Jose	THREE/	COMPOS
	MEASUREMENT	MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L		WEEK	
BOD, CARBONACEOUS	SAMPLE	62	86	(26)	****	2	3	(19)	0	1/1	CP
	MEASUREMENT			LBS/DY				MG/L			
80082 1 0 0	PERMIT	667	1001	(26)	*****	20	30	(19)	0.480	THREE/	COMPOS
	MEASUREMENT	MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L		WEEK	
BOD, CARB 5-DAY, 20	SAMPLE	*****	*****	***	99	****	*****	(23)	0	1/30	CA
	MEASUREMENT	· · · · · · · · · · · · · · · · · · ·		***				CENT			
80091 K 0 0	PERMIT	*****	*****	***	85	*****	*****	(23)		ONCE/	CALCTD
	MEASUREMENT			***	MO AVG			CENT		MONTH	
SOLIDS, SUSPENDED	SAMPLE	*****	****	***	98	*****	*****	(23)	0	1/30	CA
	MEASUREMENT			***				CENT			
81011 K 0 0	PERMIT	*****	*****	***	85	*******	****	(23)	1000	ONCE/	CALCTD
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COMMENT AND EXPLANTION OF ANY VIOLATIONS (Reference all attachments here)

USE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

LOCATION LOUISVILLE

Facility Name/Location if different)

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES) DISCHARGE MONITORING REPORT (DMR)

NAME	JEFFERSONTOWN WQTC MSD
ADDRESS	C/O CEDAR CREEK WQTC
	8405 CEDAR CREEK RD
	LOUISVILLE KY 40211
FACILITY	JEFFERSONTOWN WQTC

ATTN: DENNIS THOMASSON SP METPO ODS

KY 40299

KY0025194 PERMIT NUMBER

001 Y DISCHARGE NUMBER

MQ

09

DAY

31

MAJOR (SUBR LV)

F - FINAL **JEFFE** BIOMONITORING/ONCE PER QUARTER

EFFLUENT [] No Discharge

MONITORING PERIOD YEAR MO DAY YEAR 12 07 FROM 01 TO 12

ATTN: DENNIS THOMASSON	SR. METRO OPS						NO	TE: Read instruc	ions before	com	pleting thi	s form
PARAMETER			QUANTITY OR LOADING	3		QUALIT	Y OR CONCENTRATION			NO EX	FREQUENCY	SAMPLE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	vī.	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
HARDNESS, TOTAL (AS CACO3)	SAMPLE MEASUREMENT	*****	*****	***	*****		194	194	(19) MG/L	0	1/90	СР
00900 1 0 1	PERMIT	*****	**************************************	***	Wakakakak		REPORT	REPORT	[(19)		QTRLY	COMPOS
EFFLUENT GROSS VALUE	MEASUREMENT	*****	*****		SAPEREL		MO AVG	DAILY MX	MG/L	नेश्वरी		
CADMIUM, DISSOLVED (AS CD)	SAMPLE MEASUREMENT	******	*****	***	*****	•	< 0.001	< 0.001	(19)	0	1/90	CP
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COPPER, DISSOLVED	SAMPLE	***	*****	***	****		MO AVG	DAILY MX	MG/L	14/14/50	1-20100	
(AS CU)	MEASUREMENT			***			0.009	0,009	(19) MG/L	0	1/90	CP
01040 1 0 1	PERMIT	**************************************	**************************************	***	*******	17.77 F4	REPORT	REPORT	(19)	5-1200	QTRLY	COMPOS
EFFLUENT GROSS VALUE	MEASUREMENT			***			MO AVG	DAILY MX	MG/L			
LEAD, DISSOLVED	SAMPLE	*****	****	***	*****		< 0.08	<0.08	(19)	0	1/90	CP
(AS PB)	MEASUREMENT			***			0.00		MG/L		""	"
01049 1 0 1	PERMIT	****	****	***	www.	T MAGNA	REPORT	REPORT	(19)	4,443)	QTRLY	COMPOS
EFFLUENT GROSS VALUE	MEASUREMENT			***			MO AVG	DAILY MX	MG/L			
ZINC, DISSOLVED	SAMPLE	*****	*****	***	*****		0.029	0.029	(19)	0	1/90	CP
(AS ZN)	MEASUREMENT			***					MG/L			
01090 1 0 1	PERMIT	*****	*****	***	******	i salarin	REPORT	REPORT	(19)	1,4753	QTRLY	сомроѕ
EFFLUENT GROSS VALUE	MEASUREMENT			***			MO AVG	DAILY MX	MG/L			Parties of
ZINC	SAMPLE	*****	*****	***	****	,	0.030	0.030	(19)	0	1/90	CP
TOTAL RECOVERABLE	MEASUREMENT			***					MG/L	_		
01094. 1 0 1	PERMIT	*****	*****	***	W W W W W W		REPORT	REPORT	(19)	12.55	QTRLY	COMPOS
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CADMIUM	SAMPLE	*****	*****	***	****	٠	< 0.001	<0.001	(19)	0	1/90	CP
TOTAL RECOVERABLE	MEASUREMENT			***	L				MG/L			
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TYPED OR PRINTED						OFFIC	ER OR AUTHORIZED	AGENT CODE			YEAR N	10 DAY

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

FACILITY

NAME JEFFERSONTOWN WOTC MSD ADDRESS C/O CEDAR CREEK WQTC 8405 CEDAR CREEK RD LOUISVILLE KY 40211

JEFFERSONTOWN WQTC

LOCATION LOUISVILLE KY 40299 ATTN: DENNIS THOMASSON SR METRO OPS

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES) DISCHARGE MONITORING REPORT (DMR)

01

MONITORING PERIOD

TO

KY0025194 PERMIT NUMBER

FROM 12

YEAR MO DAY

07

001 Y DISCHARGE NUMBER

МО

09

DAY

31

YEAR

12

MAJOR · (SUBR LV) F - FINAL

BIOMONITORING/ONCE PER QUARTER **EFFLUENT**

[] No Discharge

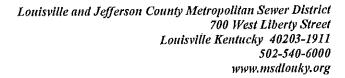
JEFFE

ATTN. DENNIS THOMASSON	SR. METRO OPS					NO.	TE: Read instruct	ions before	com	pleting this	s form
PARAMETER			QUANTITY OR LOADING	3	QUAL	TY OR CONCENTRATION	i		NO EX	FREQUENCY	SAMPLE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	ы	ANALYSIS	IYPE
LEAD	SAMPLE	*****	*****	***	*****	< 0.08	<0.08	(19)	0	1/90	CP
TOTAL RECOVERABLE	MEASUREMENT			***		0.50	-0.00	MG/L	U	1,50) O,
01114 1 0 1	PERMIT	*****	****	***	*****	REPORT	REPORT	(19)	OddSea	QTRLY	COMPOS
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GREG C. HEITZMAN INTERIM EXECUTIVE DIRECTOR	THE INFORMATION, I BELIEV THERE ARE SIGNIFICANT PE AND IMPRISONMENT, SEE 1- and/or maximum imprisonment	VE THE SUBMITTED INFORM ENALTIËS FRO SUBMITTING 8 U.S.C. 1001 AND 33 U.S.C.	MATION IS TRUE, ACCURATE FALSE INFORMATION, INCL 1319 /Populies under those	E AND COMPLETE, I	AM AWARE THAT SILITY OF FINE fines up to \$10,000		ie/ 502	540-60			
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COMMENT AND EXPLANTION OF ANY VIOLATION	S (Reference all attachme	nte haral			OFFIC	CER OR AUTHORIZED	AGENT CODE	<u> </u>		YEAR M	DAY

NAME OF TREATMENT PLANT JEFFERSONTOWN WTP COUNTY **JEFFERSON** MONTH OF: September 2012 KPDES PERMIT NUMBER KY0025194 PLANT CAPACITY 4.0 MGD RECEIVING STREAM CHENOWETH RUN RAW SETTLEABLE DISSOLVED SUSPENDED ACTIVATED SEWAGE SOLIDS (mg/L) OXYGEN (mg/L) (SNO) SOLIDS (mg/L) 5 DAY CBOD (mg/L) SLUDGE AERATION BASIN SLUDGE HANDLING FINAL GRIT REMOVED (CUBIC FEET) FINAL EFFLUENT EFFLUENT STREAM BELOW SETTLE STREAM ABOVE EFFLUENT EFFLUENT DISSOLVED OXYGEN (mg/L) SCREENINGS (CUBIC FEET) TOTAL FLOW (MILLION GALL SLUDGE RETURN RAW (mg/L) VOLUME HAULED FECAL COLLFORM (COLONES/100ML) PHOS. PRIMARY EFFLUENT PRIMARY EFFLUENT NH3-N (mg/L) SOLIDS GAL/DAY X 1000 VOLATRE
JUDS
THORAWA
ALLONS
1000 S VOLATILE FINAL FINAL 8 WLVSS X 1000 MLVSS X 1000 DRY SOLL RAW FINAL FINAL MLSS (x 1000 30 MIN. RAW MLSS ×1000 80 MIN. TOTAL (mg/L) ž 2.74 6.9 7.4 19.0 8.7 412 6 196 2 0.79 3530 6.1 2590 2220 160 150 24 0.52 1.10 2 2 3.52 6.6 8.0 25.0 8.4 222 3 126 2 0.75 3950 5.7 2300 2000 250 180 19 0.49 0.78 3 2 4.69 6,8 7.8 14.0 8.8 175 3 148 2 0.69 1035 6.4 2200 1471 150 140 22.5 0.45 0.67 4 3.15 6.8 7.9 12,0 8.7 812 338 0.68 7030 7.9 2580 1740 180 180 22 5 0.46 0.62 3.48 6.9 7.6 30.0 8.5 432 276 0.67 5920 7.7 2610 2040 190 180 29.75 0,52 1,50 6 3.51 6.4 7.4 35.0 8.6 360 3 340 2 0.73 7270 7.7 2470 2050 200 180 17 0.47 7 1.10 2.81 2 2 6.8 7.6 30.0 8.9 360 6 202 3[0.75 4030 7.5 1700 1270 180 180 20.6 0.52 1,50 2 8 7.56 6.7 6.9 15.0 7.4 166 8 107 0.87 6460 7.4 1300 1070 90 80 2 18,1 0.48 0.73 9 3,99 6.7 6.7 14.0 8.3 238 4 210 0.89 6000 7.3 2460 1780 210 160 18 0.37 10 0.50 5 3.18 7.5 7.6 10.0 8.9 224 2 192 31 0.77 7170 8.1 2530 2030 170 150 18 0.47 0.67 2 2.85 6.9 7.3 70.0 8.7 548 5 441 2 0.71 4500 8 3340 2620 150 150 18 0.48 0.90 12 2.70 6.7 7.1 22.0 8.9 580 6 512 2 0.75 6790 8.7 2700 1780 160 150 9 0.45 2.80 13 2.69 2 7.7 2 6.9 48.0 8.3 644 5 383 3 0.6 5080 7.1 2860 2240 200 190 22.6 0.62 4.10 14 2.58 6.9 7,5 45.0 8.4 106 156 2 0.47 7780 7.1 2790 2150 190 140 17 15 2,47 0.58 0.73 7.1 7.4 18.0 8.1 201 8 164 0.46 8810 6.8 2710 2020 130 120 10 0.55 0.84 2 16 2.44 6.9 7.5 8.0 276 8 188 2 1.95 6240 6.9 2460 1890 120 110 10 0.58 0.95 17 2.52 2 8.5 7.4 25.0 8.6 280 6 304 2 0.52 8190 5.7 2900 2170 120 100 9 0.59 1.40 2 18 2.65 7.1 7.3 25.0 8.3 328 7 261 2 0.78 4900 7.4 2560 2010 110 100 13 19 0.58 1.30 2 2.48 7.1 7,3 25.0 8.6 236 6 253 2 0.7 5850 7.6 2500 1870 180 180 10 0.64 1.50 2 20 2.41 7.6 7.7 19.0 8.6 122 9 163 зl 0.71 4220 6.9 2590 2060 180 160 9 0.78 1.40 21 2.35 7.1 7.4 18.0 8,2 260 8 21 214 0.7 3560 7.2 2490 2080 120 110 10 0,69 22 2.27 2.00 7.0 7.7 15.0 8.6 250 8 181 2 0.68 3250 6,1 2360 2050 120 110 10 0.64 1.50 23 2,31 7.1 12.0 7.7 8.7 140 10 140 2 0.66 2980 6.6 2750 1909 100 100 24 2,27 8 0.70 0.95 6.5 7.5 37.0 8.7 254 10 267 2 0.65 3830 6,2 2560 1990 110 100 17 0.77 0.39 25 3.09 7.9 7.4 19.0 8.7 134 13 102 2 0.68 4250 6.7 2980 2260 110 100 17 0.99 0.90 2 26 3.61 6.7 7.5 33.0 8.4 79 7 96 2 0.63 6430 5.9 2730 2000 110 110 21 0.92 1.40 27 5.06 6.7 7.7 38.0 8.2 205 3 120 2 0.62 5520 6.5 1830 1490 100 90 21 0.54 1,10 28 3.76 6.8 6.9 8.0 8.5 152 او 124 3 0.63 6640 6.2 2150 1580 90 90 29 3.22 21 0.59 1.00 6.8 6.8 22.0 8.5 228 10 106 3 0.64 6220 6,5 2220 1710 100 90 21 0.55 0.73 30 2.89 6.9 6.8 18.0 8.2 236 160 2 0.62 5940 6.6 2460 1920 901 901 31 12 0.48 0.73 Tot. 95.24 8 8 21.75 3.17 494.6 Avg. 2 7.4 7.0 24.9 8.5 289 6 216 2 0.725 5446 6.95 2489 1916 145.7 132.3 16.49 0.58 1.19 RESIDENTIAL INDUSTRIAL WASTE POPULATION EQUIVALENT COMMERCIAL 30234 33588 36394 Chris Langford 24242 INDUSTRIAL FLOW CBQD **OPERATOR** CERT. NO. TOTAL NUMBER OF SEWER CONNECTIONS SEWER CONNECTIONS 0 X 4 = 502-267-9257

PLANT TELEPHONE

SÉWERED POPULATION





September 11, 2012

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

Re: Bypass (Blending) Report for the Jeffersontown WQTC - KPDES Permit KY0025194

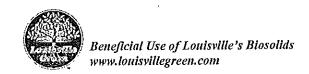
Dear Mr. Roth:

In accordance with 401 KAR 5:065, MSD is providing this letter as a written report of the bypass (blending) event that occurred at the Jeffersontown Water Quality Treatment Center (WQTC). The bypass started at 10:04 AM on September 08, 2012 and stopped at 01:15 PM on September 08, 2012.

Mitigation activities to minimize the extent and impact of the discharge included maximization of plant peak flow through secondary treatment to minimize the total amount of wastewater that did not receive full secondary treatment prior to blending with secondary effluent before receiving UV disinfection, and then being discharged through the permitted outfall. The cause of the bypass (blending) event was due to significant precipitation in the service area. The bypassed (blended) effluent entered Chenoweth Run at mile point 5.3.

In the table listed below is the total number of gallons of wastewater by calendar day that was bypassed (blended) around the secondary treatment of the Jeffersontown WQTC.

<u>Date</u>	Start <u>Time</u>	Stop Time	Total Plant Flow (Vol)	Peak Plant <u>Rate</u>	Total Blended <u>Flow (Vol)</u>
September 08 2012	10:04 AM	01:15 PM	7.558 MG	11.830 MGD	0.049387 MG
					# 2 pump kicked out @ 12:20pm
				·	



Mr. Charlie Roth, District Supervisor KY Division of Water Page 2

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:

Gary Levy, KDEP

Paula Purifoy, Wes Sydnor, Kevin Ries, Robert Bates - MSD

eB File





September 11, 2012

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

Re: Bypass Report for the Jeffersontown WQTC - KPDES Permit KY0025194

Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on September 08, 2012, referencing Work Order 1553336 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: The operator on duty noticed northwest corner of aeration tank #7 overflowing at 7:45 AM due to four secondary influent pumps ran simultaneously during a wet weather event. The aeration tank blowers were shut off to stop the bypass. During investigation of this bypass, we realized that this bypass was caused due to a controls issue. Approximately 1500 gallons of sewage was discharged to the ground. Flow at the time of by pass was approximately 11.65 MGD
- Period of noncompliance: Starting 07:45 AM on September 08, 2012 and stopping 08:00 AM on September 08, 2012.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD is currently troubleshooting the controls of the influent pump station.

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:

Gary Levy, KDEP

Paula Purifoy, Wes Sydnor, Kevin Ries, Robert Bates - MSD

eB File



September 11, 2012

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

Re: Bypass Report for the Jeffersontown WQTC - KPDES Permit KY0025194

Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on September 08, 2012, referencing Work Order 1553351 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: The operator on duty noticed aeration tank #7 overflowing near MLSS channel at 9:40 AM due to four secondary influent pumps ran simultaneously during a wet weather event. The #4 secondary influent pump was shut off to stop the bypass. During investigation of this bypass, we realized that this bypass was caused due to a controls issue. Approximately 2000 gallons of sewage was discharged to the ground. Flow at the time of by pass was approximately 11.77 MGD
- Period of noncompliance: Starting 09:40 AM on September 08, 2012 and stopping 10:00 AM on September 08, 2012.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD is currently troubleshooting the controls of the influent pump station.

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,

Duanë V. Wright

Process Supervisor-Operations

cc:

Gary Levy, KDEP

Paula Purifoy, Wes Sydnor, Kevin Ries, Robert Bates - MSD

eB File

							Total Flow During event	Avg Flow During event
Date	Start date and time	Stop date and time	Total Flow MG	Peak Flow MGD	Blended Flow Gallons	Blend time	МĞ	MĞD
9/8/2012	9/8/12 10:04 AM	9/8/12 1:15 PM	7.558	11.830	49,387	3 hrs 11 min	1,221	9.196





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

KPDES#	
KY0025194	

Facility ID MSD0255

Water Quality Treatement Center JEFFERSONTOWN

Receiving Stream of Treatment Center CHENOWETH RUN

Region CENT

Facility Type

DISCHARGE

Facility ID MSD0255 Facility Address

Initiated By

MARKS JR

If Pump Station, Name of Pump Station:

Receiving Stream CHENOWETH RUN Discharge to

STREAM

SPL Sewer Treatment Plant

Activity Code / Description

DISREV: RAIN EVENT

WO# 1553336

Initiated 09/08/12 07:45 AM Assigned To **OPS ASHIFT**

10725 OLD TAYLORSVILLE RD

Disch Status DOCUMENTED Event Date 01/14/07

<u>Problem</u> BYPASS AT WQTC Result

s

Completed

Condition

UNAUTHORIZED DISCHARGE-WATER

09/08/12 08:00

Spot inspections:

Discharge Amount:	1,500 GAL
Cause:	BLOWERS RUNNING WITH HIGH FLOW DURING RAIN EVENT
Clean Up:	MSD CLEANED AND SANITIZED AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SOILDS ON GROUND AND GRASS
Repair.	TURNED OFF BLOWERS DURING HIGH FLOW

Notifications:

09/08/12 09:30 AM	DISPUB	MSD USED SIGNS TO WARN PUBLIC
09/08/12 01:00 AM .	DISNOT	Email notification of unauthorized discharge sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov and LisaA.Jeffries@ky.gov





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

KPDES#

KY0025194 (Cont'd)

Facility ID MSD0255

Water Quality Treatement Center

JEFFERSONTOWN

Receiving Stream of Treatment Center

CHENOWETH RUN

Region CENT

Activity Code / Description

DISREV: RAIN EVENT DISCHARGE

WO # Initiated 1553351

09/08/12 09:40 AM

Initiated By MARKS JR

Assigned To OPS BSHIFT CENTRAL

Disch Status DOCUMENTED Event Date Problem 01/14/07

BYPASS AT WQTC

Result UNAUTHORIZED Completed Condition

09/08/12 10:00

DISCHARGE-WATER AM

Spot Inspections:

Discharge Amount	2,000 GAL
Cause:	#7 AERATION BASIN OVERFLOWED FROM ALL 4 PUMPS RUNNING AT THE SAME TIME
Clean Up:	MSD CLEANED AND SANITIZED AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SOLIDS OBSERVED ON THE GROUND
Repair.	ADJUSTED PUMP AND PLANT FLOW PER WET WEATHER SOP

Notifications:

09/08/12 11:52 AM	DISPUB -	MSD USED SIGNS TO WARN THE PUBLIC	
	!		
09/08/12 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov and LisaA.Jeffries@ky.gov	

Total Facilities Printed: 1 Total Work Orders Printed: 2





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

KPDES#	
KY0025194	

Facility	ID
MSD029	55

Water Quality Treatement Center **JEFFERSONTOWN**

Receiving Stream of Treatment Center **CHENOWETH RUN**

Region CENT

Facility Type

Facility ID

Facility Address

If Pump Station, Name of Pump Station:

Receiving Stream

Discharge to

SPL Sewer Treatment Plant

MSD0255

10725 OLD TAYLORSVILLE RD

CHENOWETH RUN

STREAM

Activity Code / Description DISREV: RAIN EVENT DISCHARGE

WO# 1553353

Initiated 09/08/12 10:04 AM Initiated By MARKS JR

Assigned To OPS BSHIFT CENTRAL

Disch Status DOCUMENTED **Event Date** 01/14/07

Problem BLENDING AT JTOWN WQTC

Result UNAUTHORIZED Completed 09/08/12 01:15

Condition

DISCHARGE-WATER

s

Spot Inspections:

Peak Plant Flow when Blending:	11,830,000 GPD
Total Plant Flow when Blending:	7,558,000 GAL
Discharge Amount:	49,387 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up: .	PIPE DISCHARGE SUBMERGED- NO CLEAN UP
Control Zone;	PIPE DISCHARGE SUBMERGED. PERMANENT SIGNS POSTED
Impact:	NO IMPACT OBSERVED
Repair.	NEGOTIATIONS UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION.

Notifications:

	09/08/12 11:56 AM	DISPUB	MSD USED SIGNS TO WARN PUBLIC '
	09/08/12 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov and LisaA.Jeffries@ky.gov
	09/08/12 01:00 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov and
Ĺ			LisaA, Jeffries@ky.gov

Total Facilities Printed: 1 Total Work Orders Printed: 1