



Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)

July 23, 2009

Carolena Bentley, DMR Coordinator  
Kentucky Division of Water  
200 Fair Oaks Lane, 4<sup>th</sup> Floor  
Frankfort, Kentucky 40601

RE: Jeffersontown Treatment Plant, KPDES No: KY0025194  
Discharge Monitoring Report  
June 2009

Dear Ms. Bentley:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Jeffersontown WTP KPDES No.: KY0025194 for the month of June 2009.

Also included are copies of the Discharge Reports and plant Bypass (blending) letters and the Quarterly Biomonitoring Discharge Monitoring Report (DMR).

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 0609.doc

Enclosures

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



Beneficial Use of Louisville's Biosolids  
[www.louisvillegreen.com](http://www.louisvillegreen.com)



700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
www.msdlouky.org

June 12, 2009

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 WTP – 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 Wastewater Treatment Plant (WTP). The bypass started at 6:15 PM on June 10, 2009 and stopped at 6:37 PM on June 10, 2009.

The cause of the bypass (blending) event was due to an electrical malfunction of the variable frequency drive (VFD) of a plant influent pump. MSD maintenance staff responded and bypassed the VFD which enabled operation of the plant influent pump. 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 WTP.

<u>Date</u>	<u>Start Time</u>	<u>Stop Time</u>	<u>Total Plant Flow (Vol)</u>	<u>Peak Plant Rate</u>	<u>Total Blended Flow (Vol)</u>
June 10, 2009	6:15 PM	6:37 PM	3.597 MG	8.347 MGD	.000387 MG

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](mailto:wrightd@msdlouky.org).

Sincerely,

Duane V. Wright  
Process Supervisor-Operations

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





700 West Liberty Street  
Louisville Kentucky 40203-1911  
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June 12, 2009

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 10:57 PM on June 11, 2009 and stopped at 11:48 PM on June 11, 2009.

The cause of the bypass (blending) event was due to an electrical malfunction of the variable frequency drive (VFD) of a plant influent pump. MSD maintenance staff responded and bypassed the VFD which enabled operation of the plant influent pump. 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 WTP.

<u>Date</u>	<u>Start Time</u>	<u>Stop Time</u>	<u>Total Plant Flow (Vol)</u>	<u>Peak Plant Rate</u>	<u>Total Blended Flow (Vol)</u>
June 11, 2009	10:57 PM	11:48 PM	4.785 MG	9.091 MGD	.003289 MG

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](mailto:wrightd@msdlouky.org).

Sincerely,

Duane V. Wright  
Process Supervisor-Operations

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





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

June 22, 2009

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 WTP – 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 Wastewater Treatment Plant (WTP). The bypass started at 11:44 AM on June 18, 2009 and stopped at 12:38 AM on June 19, 2009.

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 WTP.

<u>Date</u>	<u>Start Time</u>	<u>Stop Time</u>	<u>Total Plant Flow (Vol)</u>	<u>Peak Plant Rate</u>	<u>Total Blended Flow (Vol)</u>
June 18 2009	11:44 AM	1159:00 PM	6.75 MG	18.22 MGD	1.03 MG
June 19 2009	12:00 AM	12:38 AM	5.536 MG	8.52 MGD	0.01 MG

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](mailto:wrightd@msdlouky.org).

Sincerely,

Duane V. Wright  
 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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June 22, 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 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 AM on June 19, 2009, referencing Work Order 9212626 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: Faulty low water level sensor in the ultraviolet disinfection system caused partial outage to bulbs. Panel mate showed all bulbs were out, but visual observation indicated some bulbs were illuminated.
- Period of noncompliance: Starting 07:37 PM on June 18, 2009 and stopping 08:45 PM on June 18, 2009.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD is considering making changes to the ultraviolet control scheme in regards to the low level sensor.

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](mailto:wrightd@msdlouky.org).

Sincerely,

Duane V. Wright  
Process Supervisor-Operations

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





Metropolitan Sewer District

IMSAST0004

Overflow Report

Initiated Jun 01, 2009 12:00 AM thru Jun 30, 2009 11:59 PM

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

<b>KPDES #</b> KY0025194	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<b>Facility Type</b> SPL Sewer Treatment Plant	<b>Facility ID</b> MSD0255	<b>Facility Address</b> 10725 OLD TAYLORSVILLE RD	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> CHENOWETH RUN	<b>Discharge to</b> 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	921262	06/18/09 07:37 PM	ELDER	CISSELL	DOCUMENTED	01/14/07	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 08:45 PM	

**Spot Inspections:**

Discharge Amount:	377,559 GAL
Cause:	UV-SYSTEM MOTHERBOARD FAILED
Clean Up:	NO CLEANUP
Control Zone:	NO CONTROL ZONE REQUIRED
Impact:	NO IMPACT OBSERVED
Repair:	REPLACED MOTHERBOARD & RETURNED TO SERVICE

**Notifications:**

06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/19/09 01:00 AM	DISPUB	Posted on Project WIN
06/18/09 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



Metropolitan Sewer District

IMSAST0004  
Overflow Report

Initiated Jun 01, 2009 12:00 AM thru Jun 30, 2009 11:59 PM

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

KPDES # KY0025194	Facility ID MSD0255	Water Quality Treatment Center JEFFERSONTOWN	Receiving Stream of Treatment Center CHENOWETH RUN	Region CENT
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Facility Type SPL Sewer Treatment Plant	Facility ID MSD0255	Facility Address 10725 OLD TAYLORSVILLE RD	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	Status Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	916888	06/10/09 06:15 PM	MARKS JR	PFEISTER	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE - WATERS	06/10/09 06:37 PM	

**Spot Inspections:**

Peak Plant Flow when Blending:	8,347,000 GPD
Total Plant Flow when Blending:	3,597,000 GAL
Discharge Amount	387 GAL
Cause:	ELECTRICAL FAILURE OF #1 PUMP @ THE INFLUENT PUMP STATION
Clean Up:	NO CLEAN UP NECESSARY
Control Zone:	SIGNS POSTED
Impact	NONE OBSERVED
Repair:	RESET #1 PUMP AND RESTARTED PUMP AND BLEND STOPPED

**Notifications:**

06/10/09 08:10 PM	DISPUB	public notified by signs posted and msd web site update
06/10/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/10/09 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



MetroPam Sewer District

IMSAST0004

Overflow Report

Initiated Jun 01, 2009 12:00 AM thru Jun 30, 2009 11:59 PM

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

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0025194 (Cont'd)	MSD0255	JEFFERSONTOWN	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>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	917355	06/11/09 11:14 PM	SINGLETON	TUTTLE	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE - WATERS	06/11/09 11:47 PM	

**Spot Inspections:**

Peal Plant Flow when Blending:	9,091,000 GPD
Total Plant Flow when Blending:	4,785,000 GAL
Discharge Amount	3,289 GAL
Cause:	PUMP #4 WOULDN'T START
Clean Up:	NO CLEANUP
Control Zone:	PERMANENT SIGNS UP
Impact	NO VISUAL IMPACT OBSERVED
Repair:	REROUTED ELECTRICAL CABLE TO INFLUENT PUMP ENABLING OPERATION OF THE PLANT

**Notifications:**

06/12/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
07/15/09 10:10 AM	DISPUB	Notification made through Project WIN website, email listserv and permanent signs.





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

**KPDES #** KY0025194 (Cont'd)     
 **Facility ID** MSD0255     
 **Water Quality Treatment Center** JEFFERSONTOWN     
 **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	920946	06/18/09 11:44 AM	ELDER	STEPHENSON	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE - WATERS	06/19/09 12:38 AM	

**Spot Inspections:**

Peal Plant Flow when Blending:	26,740,000 GPD
Total Plant Flow when Blending:	12,286,000 GAL
Discharge Amount:	1,048,935 GAL
Cause:	RAIN EVENT IN AREA
Clean Up:	NO CLEANUP NECESSARY
Control Zone:	PERMENANT SIGNS ALONG CREEK
Impact:	NONE OBSERVED
Repair:	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION

**Notifications:**

06/18/09 12:23 PM	DISPUB	Permenant signs placed along creek & web site updated.
06/18/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/18/09 01:00 AM	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: 1  
 Total Work Orders Printed: 3

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

NAME MSD JEFFERSONTOWN STP  
 ADDRESS C/O CEDAR CREEK STP  
 8405 CEDAR CREEK RD  
 LOUISVILLE KY 40211  
 FACILITY MSD JEFFERSONTOWN STP  
 LOCATION JEFFERSONTOWN KY 40299  
 ATTN DENNIS THOMASSON, SR METRO OPS

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

KY0025174  
 PERMIT NUMBER  
 0012  
 DISCHARGE NUMBER

MAJOR (SUBP LV)  
 F - FINAL  
 FLDW BOD TSS DO PH  
 EFFLUENT  
 \*\*\* NO DISCHARGE [ ] \*\*\*

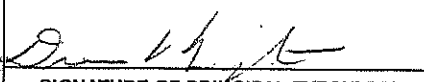
MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

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)	00300 1 0 0	*****	*****		8	*****	*****	MG/L	0	%/1	LR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	INST MIN	*****	*****	MG/L		FREE/COMPOS WEEK	
PH	00400 1 0 0	*****	*****		6.4	*****	7.6	MG/L	0	%/1	LR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	MINIMUM	*****	MAXIMUM	MG/L		FREE/COMPOS WEEK	
SOLIDS, TOTAL SUSPENDED	00500 0 0 0	3588	5337	LBS/DY	*****	125	128	MG/L	0	%/1	CP
RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		FREE/COMPOS WEEK	
SOLIDS, TOTAL SUSPENDED	00530 1 0 0	201	240	LBS/DY	*****	7	11	MG/L	0	%/1	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1000 MO AVG	1501 MX WK AV	LBS/DY	*****	30 MO AVG	45 MX WK AV	MG/L		FREE/COMPOS WEEK	
NITROGEN, AMMONIA TOTAL (AS N)	00610 0 0 0	391	449	LBS/DY	*****	15	19	MG/L	0	%/1	CP
RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		FREE/COMPOS WEEK	
NITROGEN, AMMONIA TOTAL (AS N)	00610 1 1 0	10	13	LBS/DY	*****	0.3	0.4	MG/L	0	%/1	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	133 MO AVG	200 MX WK AV	LBS/DY	*****	4 MO AVG	6 MX WK AV	MG/L		FREE/COMPOS WEEK	
PHOSPHORUS, TOTAL (AS P)	00665 1 1 1	10	15	LBS/DY	*****	0.3	0.4	MG/L	0	%/1	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	33 MO AVG	50 MX WK AV	LBS/DY	*****	1.0 MO AVG	1.5 MX WK AV	MG/L		FREE/COMPOS WEEK	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 H. J. SCHARDIN, 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  


TELEPHONE  
 DATE  
 502 541 1111 09 17 24  
 AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 USE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

NAME MSD JEFFERSONTOWN STP  
ADDRESS C/O CEDAR CREEK STP  
8406 CEDAR CREEK RD  
LOUISVILLE KY 40211  
FACILITY MSD JEFFERSONTOWN STP  
LOCATION JEFFERSONTOWN KY 40299  
ATTN: DENNIS THOMASSON, SR METRO OPS

AY0025174  
PERMIT NUMBER

001 2  
DISCHARGE NUMBER

MAJOR (SUBR LV)  
F - FINAL  
FLOW 800 TSS 20 PH  
EFFLUENT  
\*\*\* NO DISCHARGE 1-1 \*\*\*

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	06	01		07	06	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	3.51	6.75	( 037 )	*****	*****	*****		0	CM	CM	
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	MD AVG	MX WK AV	MGD	*****	*****	*****	****		CONTIN UOUS	
COLIFORM, FECAL GENERAL	5	6	( 131 )	*****	200	400	1/	0	%/1	GR	
74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	MD AVG	MX WK AV	MGD	*****	300A GEO	7 DA GEO	100ML		FREE/FRM WEEK	
BOD, CARBONACEOUS 05 DAY, 20C	3282	4276	( 25 )	*****	117	147	( 17 )	0	%/1	FW	
80082 0 0 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	MD AVG	MX WK AV	LBS/DY	*****	REPORT MD AVG	REPORT MX WK AV	MG/L		FREE/CONTIN UOUS WEEK	
BOD, CARBONACEOUS 05 DAY, 20C	93	149	( 25 )	*****	3	3	( 17 )	0	%/1	FW	
80082 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	MD AVG	MX WK AV	LBS/DY	*****	20	30	MG/L		FREE/CONTIN UOUS WEEK	
BOD, CARE-5 DAY, 20 DEG C, PERCENT REMVL	97		( 25 )	*****	97		( 25 )	0	%/30	CA	
90051 1 0 0 PERCENT REMOVAL	PERMIT REQUIREMENT	MD AVG	MX WK AV	PER-CENT	*****	*****	*****	PER-CENT		UNCE/PERCT MONTH	
SOLIDS, SUSPENDED PERCENT REMOVAL	94		( 25 )	*****	94		( 25 )	0	%/30	CA	
81011 1 0 0 PERCENT REMOVAL	PERMIT REQUIREMENT	MD MIN	MX WK AV	PER-CENT	*****	*****	*****	PER-CENT		UNCE/PERCT MONTH	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER H. J. SCHARDEIN, 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 <i>Dennis Thomasson, Sr.</i>	TELEPHONE		DATE		
			AREA CODE	NUMBER	YEAR	MO	DAY
			512	540 6000	09	07	24

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
USE MD AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

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

NAME MSO JEFFERSONTOWN STP  
 ADDRESS C/O CEDAR CREEK STP  
 8405 CEDAR CREEK RD  
 LOUISVILLE KY 40211  
 FACILITY MSO JEFFERSONTOWN STP  
 LOCATION JEFFERSONTOWN KY 40299  
 ATTN DENNIS THOMASSON SR METRO OPS

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

KY0025194  
 PERMIT NUMBER  
 0017  
 DISCHARGE NUMBER

MAJOR (SUBR LV)  
 F - FINAL JEFFE  
 BIDMONITORING/ONCE PER QUARTER  
 EFFLUENT  
 \*\*\* NO DISCHARGE [ ] \*\*\*

Form Approved  
 OMB No. 2040-0004

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	07	01		07	06	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			
HARDNESS, TOTAL (AS CaCO3) 00700 1 0 1 EFFLUENT GROSS VALUE		*****	*****		*****	252	252	MG/L	0	1/4	CP
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT MG AVG	REPORT DAILY MX	MG/L		DAILY	CONFD
CADMIUM, DISSOLVED (AS Cd) 01025 1 0 1 EFFLUENT GROSS VALUE		*****	*****		*****	<0.001	<0.001	MG/L	0	1/90	CP
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT MG AVG	REPORT DAILY MX	MG/L		DAILY	CONFD
COPPER, DISSOLVED (AS Cu) 01040 1 0 1 EFFLUENT GROSS VALUE		*****	*****		*****	<0.002	<0.002	MG/L	0	1/90	CP
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT MG AVG	REPORT DAILY MX	MG/L		DAILY	CONFD
LEAD, DISSOLVED (AS Pb) 01049 1 0 1 EFFLUENT GROSS VALUE		*****	*****		*****	<0.004	<0.004	MG/L	0	1/90	CP
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT MG AVG	REPORT DAILY MX	MG/L		DAILY	CONFD
ZINC, DISSOLVED (AS Zn) 01090 1 0 1 EFFLUENT GROSS VALUE		*****	*****		*****	0.0243	0.0243	MG/L	0	1/90	CP
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT MG AVG	REPORT DAILY MX	MG/L		DAILY	CONFD
ZINC, TOTAL RECOVERABLE 01094 1 0 1 EFFLUENT GROSS VALUE		*****	*****		*****	0.0266	0.0266	MG/L	0	1/90	CP
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT MG AVG	REPORT DAILY MX	MG/L		DAILY	CONFD
CADMIUM, TOTAL RECOVERABLE 01113 1 0 1 EFFLUENT GROSS VALUE		*****	*****		*****	<0.0001	<0.0001	MG/L	0	1/90	CP
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT MG AVG	REPORT DAILY MX	MG/L		DAILY	CONFD

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  H. J. SCHARDIN, 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  <i>Dennis Thomasson Sr</i>	TELEPHONE	DATE		
			AREA CODE 502	NUMBER 540-6000	YEAR 1997	MO 07

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

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

NAME MSO JEFFERSONTOWN STP  
 ADDRESS C/O CEDAR CREEK STP  
 8405 CEDAR CREEK RD  
 LOUISVILLE KY 40211  
 FACILITY MSO JEFFERSONTOWN STP  
 LOCATION JEFFERSONTOWN KY 40299  
 ATTN DENNIS THOMASSON, SR METRO OPS

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

MAJOR (SUBR LV)  
 F - FINAL  
 BIOMONITORING/ONCE PER QUARTER EFFLUENT  
 \*\*\* NO DISCHARGE \*\*\*

Form Approved.  
 OMB No. 2040-0004

PERMIT NUMBER KY0025194

DISCHARGE NUMBER 0017


MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	07	01		07	06	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			
LEAD TOTAL RECOVERABLE 01114 1 0 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.010	0.010	MG/L	0	0/90	CP
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT NO AVG	REPORT DAILY MX	MG/L			CONFOE
COPPER TOTAL RECOVERABLE 01119 1 0 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	<0.002	<0.002	MG/L	0	0/90	CP
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT NO AVG	REPORT DAILY MX	MG/L			CONFOE
TOXICITY, FINAL CONC TOXICITY UNITS 81406 1 0 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	<1.0	1.00 CHRONIC	TOXCTY	0	0/90	CP
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	*****	*****			CONFOE
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 H.S. SCHARDIN, 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  


TELEPHONE 502 546 6000  
 DATE 07 24 07  
 AREA CODE NUMBER YEAR MO DAY

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

NAME OF TREATMENT PLANT  
 KPDES PERMIT NUMBER

JEFFERSONTOWN WTP  
 KY0025194

COUNTY JEFFERSON  
 PLANT CAPACITY 4.0 MGD

MONTH OF: June 2009

RECEIVING STREAM CHENOWETH RUN

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		WASTE	DISOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME		RAW		HAULED		TOTAL PHOS. (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)			
																		GAL/DAY X 1000	MLSS X 1000					MLVSS X 1000	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS				% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000
1	2.14			6.6	7.2	7.0		8.9		252		8	256		3	1.57	6.65	40	7.3	3.13	2.24	150	150						0.39	0.06	4				
2	2.15			7.1	7.1	15.0		9.3		139		5	178		3	1.58	5.99	40	5.3	2.86	2	160	150						0.36	0.06	4				
3	2.42	3	3	6.8	7.2	9.0		8.5		109		7	133		3	1.57	6.87	47	6.5	2.98	2.03	170	170						0.48	0.06	4				
4	3.14			6.9	7.0	10.0		9.4		99		6	80		3	1.55	6.1	55	6.4	3	2.08	160	160						0.51	0.56	4				
5	2.58			6.8	7.1	3.0		8.7		138		45	83		3	1.56	6.43	55	7.3	3.53	2.59	150	140						0.42	0.45	4				
6	2.03			6.7	7.0	10.0		8.1		66		4	73		3	1.55		41	7			160	155						0.39	0.56	4				
7	2.69			6.9	7.4	10.0		8.9		93		5	86		3	1.57		41	7			150	130						0.37	0.06	4				
8	2.73			6.8	7.0	11.0		8.4		219		6	232		3	1.58	6.1	42	7.3	3.2	2.19	150	150						0.47	0.39	4				
9	2.66			6.6	6.7	13.0		8.5		163		7	179		3	1.64	5.53	44	7.2	2.83	2.01	140	130						0.50	0.56	4				
10	3.60	3	3	6.8	6.7	5.0		8.1		71		7	130		3	1.58	5.23	42	6.2	3	2.06	150	140						0.50	0.73	4				
11	4.79			6.6	6.8	4.0		8.2		79		7	115		3	1.56	6.27	39	7.2	3.21	2.25	150	140						0.38	0.28	4				
12	4.86			6.7	6.8	2.0		8.5		69		5	140		3	1.34	7.64	39	7.2	2.75	1.9	150	140						0.31	0.39	4				
13	3.11			6.7	7.6	5.0		8.7		71		5	90		3	1.53		40				150	140						0.30	0.45	4				
14	3.55			6.8	7.6	7.0		8.6		213		5	141		3	1.53		42				160	140						0.34	0.06	4				
15	4.50			6.8	6.9	13.0		8.6		154		4	99		3	1.54	7.36	45	7.4	2.88	2	150	140						0.45	0.06	4				
16	4.37			6.6	6.7	10.0		8.4		72		6	39		3	1.57	6.95	45	7.1	2.83	2.34	150	140						0.46	0.06	4				
17	3.91	3	3	6.6	6.6	11.0		8.4		91		5	96		3	1.54	7.66	42	7.6	2.86	2.04	120	140						0.42	0.73	4				
18	6.75			6.8	6.9	14.0		8.3		94		11	58		6	1.53	6.06	42	7.2	2.91	2.01	140	140						0.53	1.00	24				
19	6.25			6.5	6.8	4.0		8.2		145		4	59		3	1.53	10.53	38	7.5	2.62	1.85	130	120						0.23	0.06	7				
20	4.88			6.8	7.0	12.0		8.4		228		2	157		3	1.54		41				130	120						0.26	0.06	4				
21	4.28			6.7	6.9	13.0		8.7		108		4	80		3	1.56		41				140	140						0.15	0.06	4				
22	4.81			6.5	7.2	3.0		8.5		154		7	134		3	1.55	7.79	41	7	2.9	2.1	120	110						0.15	0.06	3				
23	3.16			6.7	6.9	11.0		8.4		179		4	135		3	1.57	4.48	24	7.1	2.506	1.82	130	120						0.15	0.78	4				
24	2.63	3	3	6.7	6.5	16.0		8.3		85		5	103		3	1.57	6.64	29	7	2.75	1.92	120	110						0.32	0.34	4				
25	3.19			6.7	6.4	10.0		8.1		77		5	90		3	1.57	6.18	29	6.8	2.97	2.23	120	110						0.28	0.95	4				
26	3.84			6.5	6.8	13.0		8.5		77		6	198		3	1.57	6.93	36	6.9	3.49	2.67	110	100						0.27	0.56	4				
27	3.19			6.6	6.7	12.0		8.4		82		10	61		3	1.59		36				110	100						0.26	0.06	50				
28	2.49			6.5	6.8	10.0		8.3		96		9	67		3	1.57		38				110	100						0.25	0.06	4				
29	2.36			6.8	6.7	6.0		8.3		163		6	124		3	1.56	5.66	36	7.1	2.59	1.8	130	110						0.17	0.06	4				
30	2.28			6.8	6.7	17.0		8.1		149		6	94		3	1.56	5.001	40	7.1	2.67	1.85	130	120						0.21	0.06	4				
31																																			
Tot.	105.33	12	12													46.63																			
Avg.	3.51	3	3	6.7	6.9	9.5		8.5		125		7	117		3	1.554	6.548	40.33	6.988	2.93	2.099	139.7	131.8						0.34	0.32	5				

RESIDENTIAL  
 COMMERCIAL  
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

33439  
 FLOW

20153  
 CBOD

17360  
 TSS

Miko Stephenson

OPERATOR

9616

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS

0

X

4

=

0

SEWERED POPULATION

(502) 267-9257

PLANT TELEPHONE