



**MSD**

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

March 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  
February 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 February 2009. Also attached is the Discharge Reports and a Bypass (Blending) Report for the month of February.

If you have any questions concerning the attached DMR's, please contact me at (502) 239-7695.

Sincerely,

Kevin D. Ries  
Process Supervisor Central Region

KDR/Jeffersontown 0209.doc

Enclosures

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



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



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700 West Liberty Street  
Louisville Kentucky 40203-1911  
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February 13, 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 08:30 PM on February 10, 2009 and stopped at 09:22 PM on February 10, 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.

Date	Start Time	Stop Time	Total Plant Flow (Vol)	Peak Plant Rate	Total Blended flow (Vol)
February 10, 2009	08:30 PM	09:22 PM	05.023 MG	09.178 MGD	.00044 MG
, 20	AM	AM	MG	MGD	MG

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-231-982, my cell phone at (502)-396-7543 or via email at [Ries@msdlouky.org](mailto:Ries@msdlouky.org).

Sincerely,

Kevin D. Ries  
Process Supervisor-Operations

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





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February 13, 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 04:26 PM on February 11, 2009 and stopped at 09:02 PM on February 11, 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.

Date	Start Time	Stop Time	Total Plant Flow (Vol)	Peak Plant Rate	Total Blended flow (Vol)
February 11, 2009	04:26 PM	09:02 PM	06.653 MG	10.323 MGD	00.051 MG
, 20	AM	AM	MG	MGD	MG

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-231-982, my cell phone at (502)-396-7543 or via email at [Ries@msdlouky.org](mailto:Ries@msdlouky.org).

Sincerely,

Kevin D. Ries

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 #	Facility ID	Treatment Plant Name		Receiving Stream of Treatment Plant		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	871129	02/11/09 04:26 PM	SINGLETON	PFEISTER	DOCUMENTED	01/14/07	BLENDING AT JTOWN WTP	UNAUTHORIZED DISCHARGE - WATERS	02/11/09 09:01 PM	

**Spot Inspections:**

Peak Plant Flow when Blending: 10,323,000 GPD

Total Plant Flow when Blending: 6,653,000 GAL

Discharge Amount: 51,664 GAL

Cause: BLENDING EVENT DUE TO STORM FLOW

Clean Up: NO CLEAN UP REQUIRED

Control Zone: PERMANENT SIGNS POSTED

Impact: NO VISUAL IMPACT OBSERVED

Repair: NEGOTIATIONS ARE UNDERWAY TO ALLOW BLENDING AT THIS LOCATION

**Notifications:**

02/11/09 04:26 PM      DISPUB      Permanent signs posted

02/12/09 01:00 AM      DISNOT      Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0025194	<b>Facility ID</b> MSD0255	<b>Treatment Plant Name</b> JEFFERSONTOWN		<b>Receiving Stream of Treatment Plant</b> CHENOWETH RUN		<b>Region</b> CENT				
<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				
<b>Activity Code / Description</b> DISREV: RAIN EVENT DISCHARGE	<b>WO #</b> 870918	<b>Initiated</b> 02/10/09 08:30 PM	<b>Initiated By</b> SINGLETON	<b>Assigned To</b> PFEISTER	<b>Disch Status</b> DOCUMENTED	<b>Event Date</b> 01/14/07	<b>Problem</b> BLENDING AT JTOWN WTP	<b>Result</b> UNAUTHORIZED DISCHARGE - WATERS	<b>Completed</b> 02/10/09 09:22 PM	<b>Condition</b>

**Spot Inspections:**

Peak Plant Flow when Blending: 9,178,000 GPD

Total Plant Flow when Blending: 5,023,000 GAL

Discharge Amount: 440 GAL

Cause: LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT

Clean Up: NO CLEANUP ACTIVITY REQUIRED

Control Zone: PERMANENT SIGNS POSTED

Impact: NO VISUAL IMPACT OBSERVED

Repair: NEGOTIATIONS ARE UNDERWAY TO ALLOW BLENDING AT THIS LOCATION

**Notifications:**

02/10/09 08:30 PM      DISPUB      Permanent signs posted

02/11/09 01:00 AM      DISNOT      Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov

NAME OF TREATMENT PLANT JEFFERSONTOWN WTP COUNTY JEFFERSON MONTH OF: February 2009  
 KPDES PERMIT NUMBER KY0025194 PLANT CAPACITY 4.0 MGD 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	GAL/DAY X 1000	MLSS X 1000	MLVSS X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	30 MIN.	60 MIN.	SETTLED SLUDGE VOLUME	RAW			HAULED			TOTAL PHOS. (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)
																											GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000			
1	4.35			7.2	7.5	20.0			9.8		238	9	105	4	1.43		48	7.7				170	150								0.54	0.84	13		
2	4.36			7.1	7.4	32.0			10.8		194	10	118	3	1.399	8.1	47	7.8	2.63	1.96	150	140								0.43	0.73	3			
3	9.69			7.0	7.2	24.0			9.9		141	7	84	4	1.37	7.55	44	7.8	2.63	2.34	150	130								0.46	1.50	5			
4	3.24	3	3	7.4	7.5	12.0			10.2		167	6	117	3	1.42	8.52	46	7.9	2.82	2.16	160	150								0.40	2.60	3			
5	2.80			7.4	6.9	11.0			10.1		108	5	94	3	1.42	7.2	46	7.4	3.37	2.61	190	170								0.44	1.80	3			
6	2.97			7.3	7.4	21.0			10.2		154	7	70	4	1.42	7.17	55	7.6	3.47	2.69	200	180								0.46	1.90	3			
7	4.83			7.3	7.4	16.0			10.0		154	7	71	4	1.43		48				190	170								0.58	0.73	3			
8	8.53			7.6	6.9	10.0			10.2		187	5	97	3	1.43		42	7.2			200	190								0.47	1.00	3			
9	3.90			7.1	7.3	11.0			9.8		259	6	166	3	1.41	9.24	35	7.1	3.5	2.73	200	200								0.66	1.80	3			
10	5.86			7.3	7.3	21.0			10.0		106	6	67	3	1.43	7.17	30		2.86	2.52	190	170								0.76	2.30	8			
11	6.65	3	3	7.2	7.7	17.0			9.8		125	9	96	3	1.46	9.89	26	5.4	3.07	2.41	140	140								0.65	2.30	8			
12	5.10			7.0	7.7	14.0			9.9		153	8	118	3	1.34	11	28	6.9	2.55	1.92	140	140								0.50	2.10	3			
13	4.87			7.7	6.9	10.0			9.8		216	4	177	4	1.43	9.19	49	7	3.39	2.67	200	180								0.43	3.00	3			
14	4.34			7.2	7.2	15.0			9.6		226	9	178	3	1.45		25				190	170								0.40	2.90	3			
15	3.04			7.0	7.4	17.0			9.6		138	9	98	3	1.45		31				200	180								0.47	1.70	3			
16	2.74			7.5	6.8	22.0			10.2		171	6	166	3	1.43	7.92	46	7.5	2.96	2.52	190	180								0.59	3.50	3			
17	3.53			6.9	7.0	18.0			9.9		190	5	166	3	1.46	7.5	45	7.4	3.15	2.44	190	170								0.57	3.50	10			
18	3.52	3	3	6.9	7.6	23.0			10.1		169	8	111	3	1.47	8.04	41		3.09	2.39	190	180								0.69	3.00	7			
19	3.03			6.8	6.7	16.0			10.0		126	5	83	3	1.46	7.29	43	7.2	3.75	2.36	190	180								0.49	2.40	3			
20	2.56			7.6	7.1	20.0			10.2		312	7	218	3	1.46	6.83	48	7.8	3.04	2.39	180	180								0.52	3.20	3			
21	3.06			7.1	7.0	22.0			9.9		165	6	148	3	1.45		43	7.6			190	180								0.52	8.10	3			
22	3.08			7.3	7.1	23.0			10.3		199	6	136	3	1.45		43	7.9			180	170								0.44	2.90	3			
23	2.51			7.6	7.4	21.0			9.9		565	7	163	3	1.46	7.15	49	8	3.2	2.58	170	160								0.46	2.10	3			
24	2.56			7.6	7.7	24.0			10.1		190	9	137	3	1.47	6.71	43	7.8	2.96	2.36	170	170								0.68	3.80	3			
25	2.72	3	3	6.6	6.9	27.0			10.0		216	11	162	3	1.46	5.81	45	7.4	2.95	2.23	170	170								0.76	3.80	3			
26	3.60			6.9	7.0	20.0			9.9		203	9	187	3	1.45	7.29	43	6.9	3.13	2.45	180	170								1.14	3.40	93			
27	5.42			6.8	7.4	18.0			10.0		197	14	104	3	1.43	9.74	43	7.1	3.2	2.55	160	150								0.75	0.95	90			
28	4.11			7.6	6.9	16.0			10.2		94	8	64	3	1.43		41				160	160								0.35	0.90	3			
29																																			
30																																			
31																																			
Tot	116.98	12	12													40.17																			
Avg.	4.18	3	3	7.2	7.2	18.6			10.0		192	8	125	3	1.435	7.968	41.89	7.382	3.086	2.414	178.2	167.1								0.56	2.46	5			

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

39789 FLOW 25627 CBOD 31780 TSS

Mike Stephenson

OPERATOR

9616

CERT. NO.

(502) 267-9257

9616

PLANT TELEPHONE

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

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 DPS

KY0025194  
 PERMIT NUMBER

001 2  
 DISCHARGE NUMBER

MAJOR (SURF LV)  
 F - FINAL  
 FLOW BOD TSS DO PH  
 EFFLUENT  
 \*\*\* NO DISCHARGE [ ] \*\*\*  
 JEFFE

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	02	01		07	02	20

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)		*****	*****		10	*****	*****	( 17)		03/03	LR
00300 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	7	*****	*****			FREE/	BRAB
PH		*****	*****		6.7	*****	*****	( 12)		03/03	LR
00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	MINIMUM	*****	*****			FREE/	BRAB
SOLIDS, TOTAL SUSPENDED		*****	*****	( 26)	*****	*****	*****	( 19)		03/03	CP
00530 0 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	6343	8186		*****	197	238			FREE/	SAMPLES
	PERMIT REQUIREMENT	MD AVG	MX WK AV	LBS/DY	*****	REPORT	REPORT			WEEK	
SOLIDS, TOTAL SUSPENDED		*****	*****	( 26)	*****	*****	*****	( 19)		03/03	CP
00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	264	331		*****	8	9			FREE/	SAMPLES
	PERMIT REQUIREMENT	1000	1501		*****	30	45			WEEK	
NITROGEN, AMMONIA TOTAL (AS N)		*****	*****	( 26)	*****	*****	*****	( 19)		03/03	CP
00610 0 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	403	447		*****	13	16			FREE/	SAMPLES
	PERMIT REQUIREMENT	MD AVG	MX WK AV	LBS/DY	*****	REPORT	REPORT			WEEK	
NITROGEN, AMMONIA TOTAL (AS N)		*****	*****	( 26)	*****	*****	*****	( 17)		03/03	CP
00610 1 2 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	77	98		*****	2	4			FREE/	SAMPLES
	PERMIT REQUIREMENT	334	500		*****	10	15			WEEK	
PHOSPHORUS, TOTAL (AS P)		*****	*****	( 26)	*****	*****	*****	( 19)		03/03	CP
00665 1 2 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	19	26		*****	0.6	0.7			FREE/	SAMPLES
	PERMIT REQUIREMENT	87	100		*****	2.0	3.0			WEEK	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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.	TELEPHONE	DATE			
H.J. Schardein, Jr. Exec. Director TYPED OR PRINTED			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR

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

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

KY0025194  
 PERMIT NUMBER  
 001 277  
 DISCHARGE NUMBER

MAJOR (SUBP LV)  
 F - FINAL  
 FLOW ROD TSS DO PH  
 EFFLUENT  
 \*\*\* NO DISCHARGE \*\*\*  
 NOTE: Read Instructions before completing this form.

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	02	01		07	02	20

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	4.18	9.69	( CG )	*****	*****	*****					
80050 I O O	PERMIT REQUIREMENT	MD AVG	MX WK AV	MGD	*****	*****	*****	****			CONTINUOUS
EFFLUENT GROSS VALUE	*****	*****			*****	*****	*****	****			UDUS
COLIFORM, FECAL GENERAL	*****	*****			*****	5	8	( 13 )			CP, CR
74055 I O O	PERMIT REQUIREMENT	*****	*****	****	*****	200	400	\$/			THREE/ WEEK
EFFLUENT GROSS VALUE	*****	*****	****		*****	300A GED	7 DA GED	100ML			WEEK
BOD, CARBONACEOUS 05 DAY, 20C	4120	5650	( 25 )	*****	*****	125	141	( 19 )			CP
80082 O O O	PERMIT REQUIREMENT	MD AVG	MX WK AV	LBS/DY	*****	REPORT	REPORT				THREE/ WEEK
RAW SEW/INFLUENT	*****	*****			*****	MD AVG	MX WK AV	MG/L			WEEK
BOD, CARBONACEOUS 05 DAY, 20C	112	146	( 25 )	*****	*****	3	4	( 19 )			CP
80082 I O O	PERMIT REQUIREMENT	557	1001	LBS/DY	*****	20	30				THREE/ WEEK
EFFLUENT GROSS VALUE	*****	*****			*****	MD AVG	MX WK AV	MG/L			WEEK
BOD, CARBONACEOUS 5 DAY, 20 DEG C, PERCENT REMOVAL	*****	*****			98	*****	*****	( 20 )			CA
80091 K O O	PERMIT REQUIREMENT	*****	*****	****	85	*****	*****	PER-CENT			MONTH
PERCENT REMOVAL	*****	*****			*****	*****	*****	PER-CENT			MONTH
SOLIDS, SUSPENDED PERCENT REMOVAL	*****	*****			96	*****	*****	( 25 )			CA
81011 K O O	PERMIT REQUIREMENT	*****	*****	****	85	*****	*****	PER-CENT			MONTH
PERCENT REMOVAL	*****	*****			*****	*****	*****	PER-CENT			MONTH

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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.	TELEPHONE	DATE				
M. T. Schardorn, Jr. Exec. Director			9 3 23				
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	502 541-6100	AREA CODE	NUMBER	YEAR	MO	DAY

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



Month

Tot Exceed.		J'town WTP Data								February-09					
DATE	FLOW (MGD)	Infl. BOD (mg/L)	Primary BOD (mg/L)	Sec'ary BOD (mg/L)	Effl. BOD (mg/L)	Infl. TSS (mg/L)	Primary TSS (mg/L)	Sec'ary TSS (mg/L)	Effl. TSS (mg/L)	Infl. NH3 (mg/L)	Effl. NH3 (mg/L)	FECAL (mg/L)	Infl. T-Phos. (mg/L)	Effl. T-Phos. (mg/L)	Effl. pH
2/1/2009	4.36	105			4	238			9	6.4	0.84	13	4.98	0.539	
2/2/2009	4.36	118			3	194			10	12.7	0.73	3	4.15	0.425	
2/3/2009	9.69	84			4	141			7	7.7	1.50	5	2.99	0.456	
2/4/2009	3.24	117			3	167			6	9.5	2.60	3	3.53	0.398	
2/5/2009	2.80	94			3	108			5	18.1	1.80	3	3.72	0.436	
2/6/2009	2.97	70			4	154			7	7.1	1.90	3	2.4	0.457	
2/7/2009	4.83	71			4	154			7	4.3	0.73	3	1.44	0.576	
2/8/2009	8.53	97			3	187			5	12.5	1.00	3	3.22	0.467	
2/9/2009	3.90	166			3	259			6	13	1.80	3	4.97	0.664	
2/10/2009	5.86	67			3	106			9	3.9	2.30	8	1.83	0.76	
2/11/2009	6.65	96			3	125			9	4.7	2.30	8	3	0.65	
2/12/2009	5.10	118			3	153			8	5.2	2.10	3	2.4	0.499	
2/13/2009	4.87	177			4	216			4	14.8	3.00	3	3.63	0.428	
2/14/2009	4.34	178			3	226			9	15.1	2.90	3	4.46	0.395	
2/15/2009	3.04	98			3	138			9	10.1	1.70	3	2.69	0.466	
2/16/2009	2.74	166			3	171			6	20.4	3.50	3	5.4	0.588	
2/17/2009	3.53	166			3	190			5	11.6	3.50	10	3.22	0.568	
2/18/2009	3.52	111			3	169			8	16.5	3.00	7	3.65	0.692	
2/19/2009	3.03	83			3	126			5	19.2	2.40	3	3.6	0.485	
2/20/2009	2.56	218			3	312			7	22	3.20	3	5.82	0.518	
2/21/2009	3.06	148			3	165			6	12.5	8.10	3	4.06	0.52	
2/22/2009	3.08	136			3	199			6	19	2.90	3	4.86	0.438	
2/23/2009	2.51	163			3	565			7	11.5	2.10	3	6.07	0.458	
2/24/2009	2.56	137			3	190			9	22.4	3.80	3	5.88	0.679	
2/25/2009	2.72	162			3	216			11	21.4	3.80	3	5.36	0.758	
2/26/2009	3.60	187			3	203			9	18.3	3.40	93	4.28	1.14	
2/27/2009	5.42	104			3	197			14	9.5	0.95	90	2.86	0.753	
2/28/2009	4.11	64			3	94			8	9	0.90	3	1.97	0.351	
3/1/2009															
3/2/2009															
3/3/2009															
<b>TOTAL</b>	116.98														
<b>AVERAGE*</b>	4.18	125	0	0	3	192	0	0	8	12.8	2.46	< 5	3.80	0.56	0.0
<b>MINIMUM</b>	2.51	64	0	0	3	94	0	0	4	3.9	0.73	3	1.44	0.35	0.0
<b>MAXIMUM</b>	9.69	218	0	0	4	565	0	0	14	22.4	8.10	93	6.07	1.14	0.0
*For Fecal: Calculation is for Geometric Mean (not Average).															
Max Week	9.69	141			4	238			9	16.04	3.63	7.97	4.47	0.65	
Exceed.	12				0				0		0	0		0	0
7-day Mx.					0				0		0	0		0	0
30-day avg					0				0		0	0		0	0
Total KLBS Treated		118.89				179.51									

Month

Effl. DO (mg/L)	RAIN inches	GRIT cubic yds	SETTABLE mg/l	AB DO mg/l	MLSS	MLVSS	30 MIN SETT.	60 MIN. SETT.	RAS Q-FLOW	RAS MLSS	% DIG. SOLIDS	%VOL DIG SOLIDS	WAS GAL.	GAL. HAULED	Infl. BOD pounds
															3818
															4291
															6788
															3162
															2195
															1734
															2860
															6901
															5399
															3274
															5324
															5019
															7189
															6443
															2485
															3793
															4887
															3259
															2097
															4654
															3777
															3493
															3412
															2925
															3675
															5614
															4701
															2194
	0	0							0				0	0	115365
0.0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	4120
0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1734
0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7189
n receiving stream)															
															5650
0															
0															
	0		0												

Month

Effl. BOD pounds	Infl. TSS pounds	Effl. TSS pounds	Infl. NH3 pounds	Effl. NH3 pounds	Infl. TPhos pounds	Effl. TPhos pounds	TSS %REMOV	BOD %REMOV
145.4	8654	327.3	233	30.5	181	19.6	0.962185	0.961905
109.1	7054	363.6	462	26.5	151	15.5	0.948454	0.974576
323.3	11395	565.7	622	121.2	242	36.9	0.950355	0.952381
81.1	4513	162.1	257	70.3	95	10.8	0.964072	0.974359
70.1	2522	116.8	423	42.0	87	10.2	0.953704	0.968085
99.1	3815	173.4	176	47.1	59	11.3	0.954545	0.942857
161.1	6203	282.0	173	29.4	58	23.2	0.954545	0.943662
213.4	13303	355.7	889	71.1	229	33.2	0.973262	0.969072
97.6	8424	195.2	423	58.5	162	21.6	0.976834	0.981928
146.6	5180	439.9	191	112.4	89	37.1	0.915094	0.955224
166.4	6933	499.1	261	127.6	166	36.0	0.928	0.96875
127.6	6508	340.3	221	89.3	102	21.2	0.947712	0.974576
162.5	8773	162.5	601	121.8	147	17.4	0.981481	0.977401
108.6	8180	325.8	547	105.0	161	14.3	0.960177	0.983146
76.1	3499	228.2	256	43.1	68	11.8	0.934783	0.969388
68.6	3908	137.1	466	80.0	123	13.4	0.964912	0.981928
88.3	5594	147.2	342	103.0	95	16.7	0.973684	0.981928
88.1	4961	234.9	484	88.1	107	20.3	0.952663	0.972973
75.8	3184	126.4	485	60.6	91	12.3	0.960317	0.963855
64.1	6661	149.5	470	68.3	124	11.1	0.977564	0.986239
76.6	4211	153.1	319	206.7	104	13.3	0.963636	0.97973
77.1	5112	154.1	488	74.5	125	11.3	0.969849	0.977941
62.8	11827	146.5	241	44.0	127	9.6	0.987611	0.981595
64.1	4057	192.2	478	81.1	126	14.5	0.952632	0.978102
68.1	4900	249.5	485	86.2	122	17.2	0.949074	0.981481
90.1	6095	270.2	549	102.1	129	34.2	0.955665	0.983957
135.6	8905	632.8	429	42.9	129	34.0	0.928934	0.971154
102.8	3222	274.2	308	30.8	68	12.0	0.914894	0.953125
3150	177593	7405	11279	2164	3468	540		
112	6343	264	403	77.30	124	19.29	96.1%	97.5%
63	2522	117	173	27	58	10	91.5%	94.3%
323	13303	633	889	207	242	37		
146	8186	331	447	97.97	151	25.85		
0		0		0		0	0	0
0		0		0		0		
0		0		0		0	0	0