

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

July 23, 2009

Carolena Bentley, DMR Coordinator Kentucky Division of Water 200 Fair Oaks Lane, 4th 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







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>	Start <u>Time</u>	Stop Total Plant Time Flow (Vol)		Peak Plant <u>Rate</u>	Total Blended Flow (Vol)		
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.

Sincerely,

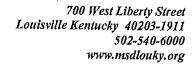
Duane V. Wright

Process Supervisor-Operations

cc:

Gary Levy, KDEP Paula Purifoy, MSD







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>	Start <u>Time</u>	Stop <u>Time</u>	Total Plant <u>Flow (Vol)</u>	Peak Plant <u>Rate</u>	Total Blended <u>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.

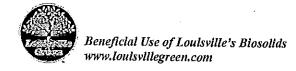
Sincerely,

Duane V. Wright

Process Supervisor-Operations

cc:

Gary Levy, KDEP Paula Purifoy, MSD





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>	Start Stop <u>Time</u> <u>Time</u>		Total Plant Flow (Vol)	Peak Plant <u>Rate</u>	Total Blended Flow (Vol)	
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.

Sincerely,

Duane V. Wright

Process Supervisor-Operations

cc:

Gary Levy, KDEP Paula Purifoy, MSD







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.

Sincerely.

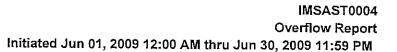
Duane V. Wright,

Process Supervisor-Operations

cc:

Gary Levy, KDEP Paula Purifoy, MSD







Report Selections: Excluding PPI, CSO, Prob Code: BYPAS, 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

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

Activity Code / Description DISREV: RAIN EVENT DISCHARGE <u>WO #</u> 921262 Initiated 06/18/09 07:37 PM Initiated By ELDER

Assigned To CISSELL

Disch Status S

DOCUMENTED

Status Date Problem
01/14/07 BYPASS AT WQTC

Result.
UNAUTHORIZED
DISCHAGE WATERS

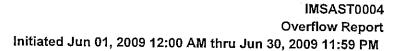
Completed 06/18/09 08:45 PM <u>Condition</u>

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	<u></u>
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 WN
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





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

Facility Type

SPL Sewer Treatment Plant

Facility ID MSD0255 **Facility Address**

If Pump Station, Name of Pump Station:

Receiving Stream CHENOWETH RUN Discharge to STREAM

Activity Code / Description
DISREV: RAIN EVENT
DISCHARGE

<u>WO #</u> 916888 Initiated 06/10/09 06:15 PM

Initiated By MARKS JR Assigned To PFEISTER

10725 OLD TAYLORSVILLE RD

Disch Status
DOCUMENTED

Status Date Pro 01/14/07 BLE

Problem
BLENDING AT
JTOWN WQTC

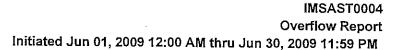
Result UNAUTHORIZED DISCHAGE -WATERS Completed 06/10/09 06:37 PM Condition

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 NECCESSARY
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
<u> </u>	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





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

KPDES#

Facility ID MSD0255

Water Quality Treatment Center

JEFFERSONTOWN

Receiving Stream of Treatment Center

CHENOWETH RUN

Region CENT

Condition

Activity Code / Description DISREV: RAIN EVENT

KY0025194 (Cont'd)

DISCHARGE

WQ# 917355

<u>Initiated</u>

Initiated By 06/11/09 11:14 PM SINGLETON

Assigned To TUTTLE

Disch Status DOCUMENTED Event Date Problem 01/14/07

BLENDING AT JTOWN WQTC Result UNAUTHORIZED DISCHAGE ~

WATERS

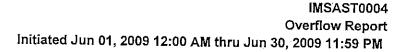
Completed 06/11/09 11:47 ΡМ

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
		C THIS THE PART OF THE LOCAL CONTROL OF THE CONTROL
07/15/09 10:10 AM	DISPUB	Notification made through Project WIN website, email listserve 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

Activity Code / Description

DISREV: RAIN EVENT DISCHARGE <u>WO #</u> 920946 <u>Initiated</u> 06/18/09 11:44 AM Initiated By ELDER Assigned To STEPHENSON Disch Status
DOCUMENTED

Event Date Problem 01/14/07 BLENDIN

BLENDING AT JTOWN WQTC Result UNAUTHORIZED DISCHAGE -

WATERS

Completed 06/19/09 12:38 AM <u>Condition</u>

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	Ernall 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		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)

MSD JEFFERSONTOWN STP

ADDRESS C/O CEDAR CREEK STP

8405 CEPAR CREEK RD

LOUISVILLE MY 40211

FACILITY MED JEFFERSONTOWN STP

LOCATION JEFFERSONTOWN XY 40299 ATTN DENNIS THUMASSON, SR METRO OPS

PERMIT NUMBER

FROM

YEAR

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MO.

UU1 .= DISCHARGE NUMBER

YEAR MO

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MONITORING PERIOD

TO

DAY

DAY

MAJOR (SUBS LV) F - FIMAL

JEFFE.

Form Approved. OMB No. 2040-0004

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

MST JEFFERSONTOWN STF

ADDRESS C/O CEDAR CREEK STP

SADS CEDAR OREEM RD

MY 40211 LOUISVILLE

JUNNIS THOMASSON, SR METRO OPS

FACILITY MSD JEFFERSONTOWN STP

LOCATION JEFFERSONTOWN

KY 40277

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

MONITORING PERIOD

TO

DAY

スプログランシャ **PERMIT NUMBER**

MO

YEAR

FROM

سے لائمانیہ DISCHARGE NUMBER

DAY

YEAR MO

MAJOR

KSUBR LVI F - FINAL

FLOW BOD TSS DG PH

Form Approved.

OMB No. 2040-0004

JEFFE

EFFLUENT

WAR NO DISCHARGE ! I WEN

NOTE: Read Instructions before completing this form.

PARAMETER		QUAN'	TITY OR LOADING	ENTRATION		NO. EX	FREQUENCY OF	SAMPLE TYPE			
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H.J. SCHANNIELEN, JR.	prepar to ass submi or the	fy under penalty of law that t red under my direction or sup- inter that qualified personnel p (tted. Based on my inquiry of se persons directly responsib tted is, to the best of my kno tware that there are significan	ervision in accordance with roperly gather and evaluate the person or persons who le for gathering the informa- wledge and belief, true, acc	h a system design the information manage the systemation, the informa- aurate, and completers	em, nion etc. SIGNA	TURE OF PRINCIPAL-	in has 51%	TELEPHON	·		ATE つ 24

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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) USE MO AVE FOR BODITSS REMVIREPT IN MINIMUM COLUMN.

ADDRESS C/O CEDAR CREEK STP 8405 CEDAR CREEK RD

KY 40211 LOUISVILLE

FACILITY MED JEFFERSONTOWN STR

LOCATION JEFFERSONTOWN ATTH DENNIS THOMASSON, SR METRO OFS

KY 40EGA

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

TO

スペンじょりエブキ **PERMIT NUMBER**

MO

YEAR

FROM

1 1 L DISCHARGE NUMBER

IN	BEK		nie	CHARGE	MUMBER	
N	OTINON	RING	PERIO			
,	DAY	• • •	YEAR	MO,	DAY	

Form Approved. OMB No. 2040-0004

MAJOR (SUBR LV)

F - FINAL

JEFFE

BIOMONITORING/ONCE PER QUARTER EFFLUENT

*** NO DISCHARGE ! I ***

NOTE: Read Instructions before completing this form.

PARAMETER		QUAN'	TITY OR LOADING			QUALITY OR CON	NO.	FREQUENCY OF	SAMPLE TYPE		
		AVERAGE	MAXIMUM	UNITS	мимим	AVERAGE	MUMIXAM	UNITS	🔼	ANALYSIS	ITPE
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HJ. JCHARDEIM, JH.	to ass	sure that qualified personnel p litted. Based on my inquiry of ose persons directly responsib	roperly gather and evaluate the person or persons who	the information	tem.	and 1/1/	£				
EXCLUTIVE DIRECTOR	subm I am	ose persons directly responsib itted is, to the best of my kno aware that there are significant ding the possibility of fine and	wiedge and belief, true, acc at penalties for submitting f	curate, and comp alse information	lete. SIGNA	ATURE OF PRINCIPAL FICER OR AUTHORIZI	EXECUTIVE 57	<u>フ 590 式</u> 器 NUMBE		VEAR N	<u>フ 2 ゲ</u>

PAGE

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

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

NAME MSQ JEFFERSONTOWN STP

ADDRESS C/O CEDAR CREEK STP

BACS CEDAR CREEK RD

KY 40211 FOOIBVILLE

FACILITY MSD JEFFERSONTOWN STP

LOCATION JEFFERSONTOWN KY 40279 ATTN DENNIS THOMASSOM, SR METRO OPS NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

MONITORING PERIOD

TO

DAY

ストむむ見いにてき **PERMIT NUMBER**

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YEAR

FROM

ひしょ DISCHARGE NUMBER

DAY

YEAR MO

MAJOR (SUBR LV)

F - FINAL

Form Approved.

OMB No. 2040-0004

BIOMONITORING/OMCE FER GUARTER

EFFLUENT

*** NO DISCHARGE ! . **

NOTE: Read Instructions before completing this form.

PARAMETER		QUAN'	TITY OR LOADING			-	ZUALIT	Y OR (CONC	ENTRATIO	N		NO. EX	FREQUENCY OF	O. 11111 -
*		AVERAGE	MAXIMUM	UNITS	MINI	мим	Α\	/ERAG	E	MAXIM	ШM	UNITS	EX	ANALYSIS	TYPE
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A.S. ICHARDEIN, IN	to assu submi- or thos	ure that qualified personnel pa tted. Based on my inquiry of se persons directly responsible	roperly gather and evaluate the person or persons who le for gathering the informa	the information manage the syst tion, the informa-	em,	Du	-Clark	1/	h	-					
TYPED OR PRINTED	submi	tted is, to the best of my know ware that there are significant ling the possibility of fine and	wledge and belief, true, acc	urate, and comp	lete.					EXECUTIVE D AGENT	SU S	SYN 6		YEAR M	7 2 4 10 DA

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KPDES	PERMIT				KY0025		**************************************	. 62	1			CAPA			4.0	MGD					VING S	TREAM	4	CHENC	WETH	RUN									
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	OW GALLONS)		/AOL			30	LIDS (III	· ·	0.1		I,	501	יוח פחוי	<u> </u>	5 DAY	CROD	(mg/L)	SLUDGE					_AER/	ATION 8	BASIN	DHD	SLUDGE HANDLING							FINAL	
	_ 의	GRIT REMOVED (CUBIC FEET)						FINAL EFFLUENT	"	FINAL EFFLUENT	STREAM BELOW			FINAL EFFLUENT			FINAL EFFLUENT			//ASTE	DISSOLVED OXYGEN (mg/L)			SLU	OGE								. [
	9 & S	5 [15 F.				1.1	ΓΩ	육	ij	<u> </u>							X	URN	3 ∩	Ĉ. E	٦	₹	VOL	JME		RAW		!	HAULE	D	أذا	, , l	3 3	
	TOTAL FLOW (MILLION GALI	[종병]	SCREENINGS (CUBIC FEET)				PRIMARY EFFLUENT	FF	STREAM ABOVE	FF	E		PRIMARY EFFLUENT	E		PRIMARY EFFLUENT	표				N N	MLSS (mg/L) x 1000	MLVSS (mg/L) X 1000				S	DI	8		7.	PHOS.	(mg/L)	FECAL COLIFORM (COLONIES/100ML)	
끧	₹ĭ	[분용]	발음	-	ᆔ	>	[₹3]	Į.	X	3	3	_	₹3	=	١ ـ	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<u> </u>	ă	w o	စ္ကန္က	S E	50	SSS	z	zi	S	정	Ħ,	힎	1	AS AW	ا ₋ ا	들	COL	
DATE	0 2	[중핑]	200	RAW	FINA	RAW	[문밥]	Ž.	🛱	Ž	H.	RAW	문문	l≧	RAW	돌뜌	2	GAL/DAY 1000	MLSS x1000	MLVSS X 1000	38 X	공원		MIN.	SO MIN.	3ALLONS X 1000	DRY SOLIDS	% VOLATILE SOLIDS	DRY SOLIDS	% VOLATILE SOLIDS	ALLO 1000	TOTAL ((mg/L)	N-EHN	정칭	
1	2.14		., _	6.6	7.2		7.0		- 07	8.9	- 83	252	а, ш	8	 	u- W	3		_ <u>≅ ×</u> 6.65	₩ × 40	7.3			. 유 150	ි 150	9.7	- 3°	% S	- 35	¥s 8	2 8 X	0.39	支 0,06	Ēδ	
2	2.15			7.1	7.1		15.0			9.3		139	-	5			3		5.99	40	5.3	2,86	2	160	150				<u> </u>	-					
3	2.42	3	3	6.8	7.2		9,0			8,5		109		7	-		3		6.87	47	6,5	-	2.03		170							0.36	0,06		
4	3.14			6.9	7.0		10.0			9.4		99		6			3	110	6.1	55	6.4	2.00	2.08	160	160							0,48	0.06	4	
5	2,58			6,8	7.1		3.0			8.7		138		45			3	-	6,43	55	7.3	3.53		150	140							0.51	0.56	4	
6	2.03			6.7	7.0		10.0			8.1		66		4	73		3	1,00	0,70	41	7.5	0.00	2.03	160	155							0.42	0.45	4	
7	2.69			6.9	7,4		10.0			8.9		93		5			3	1.57		41	7		-	150	130							0.39	0.56	4	
8	2.73			6.8	7.0		11.0			8.4		219		6			3	1.58	6.1	42	7.3	-	2.19	150	150							0.37	0.06	4	
9	2.66			6.6	6.7		13,0			8,5		163		7			3	1.64	5.53	44	7.2		2.01	140	130							0.47	0.39	4	
10	3.60	3	3	6,8	6.7		5.0			8.1		71		7	1,17		3	-	5.23	42	6.2		2.06	150	140							0.50	0.56	4	
11	4.79			6.6	6.8		4.0			8,2		79		7	115		3		6.27	39	7.2	3.21	2.25	150								0.50	0,73	4	
12	4.86			6.7	6.8		2.0			8.5		69		5	140		3	- 1111	7.64	39	7.2	2.75	1		140							0.38	0.28	4	
13	3,11			6.7	7.6	••••	5.0			8.7		71			90		3		7.04	40	(.2	2.75	1.9	150 150	140 140	-						0.31	0,39	4	
14	3,55			6.8	7.6		7.0			8,6		213		5	141		3	1,53		42												0.30	0.45	4	
15	4.50			6.8	6,9		13.0			8.6		154	***************************************		99		3	1,54	7.36	45	7.4	2,88		160 150	140							0.34	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	2004		140							0.45	0.06	4	
17	3,91	3	3	6.6	6.6		11.0			8.4		91		5	96		3	1.54	7.66	43	7.6	2.86	2,34 2.04	150 120	140							0.46	0.06	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	2.04									0,42	0.73	4	
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	140	140							0.53	1,00	24	
20	4,88			6.8	7.0		12.0			8.4		228		2	157		3	1.54	10.55	41	7.5	2,02	1.65	130	120							0.23	0.06		
21	4.28			6.7	6,9		13.0			8.7		108		4	80			1.56		41				130	120							0.26	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	- 4		140							0,15	0.06	4	
23	3,16			6.7	6.9		11.0			8.4		179		1	135		3		4.48				2.1	120	110							0.15	0.06	3	
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25	3,19			6.7	6.4		10.0			8.1		77		5	90			1.57	6,18	29	6.8			120								0.32	0.34	4	
26	3,84			6,5	6.8		13.0			8.5		77		6	198		- 3		6,18		6.9	2.97	2.23	120	110							0.28	0.95	4	
27	3.19			6.6	6.7		12.0			8.4		82		10	61		3	1.57	0,93	36	0,9	3,49	2.87	110	100							0.27	0.56	4	
28	2,49			6.5	6.8		10.0			8.3		96		9	67		3	11-4		36				110	100							0.26	0.06	50	
29	2.36			6.8	6,7		6.0			8.3		163		- 9	124		3	1,57		38		0 ==	 -	110	100							0.25	0,06	4	
30	2.28			6.8	6,7		17.0			8.1		149		6	94		3	1.56	5,66	36	7,1	2,59	1.8	130	110		-					0,17	0.06	4	
31				5.0	5.4		. ,,,,			3.1		149		- 6	94		3	1.56	5.001	40	7.1	2,67	1.85	130	120							0,21	0.06	4	
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Avg.	3.51	3	3	6.7	6.9		9.5			8.5		125	- 1	7	- ,,-			46.63	0.546	42.25	0.000														
· · v/-]		<u> </u>			2.01		RESIDE			0.0		120]			117		3	1.554	0.548	40,33	6.988	2,93	2.099	139,7	131.8							0.34	0.32	5	

			KEOID	ENIM	-			-				
			COMM	IERCIA	L			33439	20153	17360	Mike Stephenson	9616
			INDUS	TRIAL				FLOW	CBOD	TSS	OPERATOR	CERT, NO.
TOTAL NUMBER OF SEWE	R CONNECTIONS					0					(502) 26	57-9257
SEWER CONNECTIONS	0	Х	4	=	. 0	SEWERE	POPUL	ATION			PLANT TELEPI	