

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

December 19, 2007

Ms. Kathy Thurman Kentucky Division of Water 14 Reilly Road Frankfort, Kentucky 40601

RE:

West County Treatment Plant, KPDES No: KY0078956

Discharge Monitoring Report

November 2007

Dear Ms. Thurman:

Attached are the Discharge Monitoring Report (DMR) for the West County Wastewater Treatment Plant, for the month of November 2007.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6031.

Sincerely,

Kevin D. Ries

Process Supervisor, West Region

Ken D. Res

KDR/West County 1206.doc

Enclosures

ce: P. Burgin

T. Singleton

R. Shaw





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

December 19, 2007

Mr. Charlie Roth Kentucky Division of Water 9116 Leesgate Rd. Louisville, Kentucky 40222

RE:

West County Treatment Plant, KPDES No: KY0078956

Discharge Monitoring Report

November 2007

Dear Mr. Roth:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) report for the West County Wastewater Treatment Plant, for the month of November 2007.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6031.

Sincerely,

Kevin D. Ries

Process Supervisor, West Region

Kers D. Ros

KDR/West County 1206.doc



Form Approved. OMB No. 2040-0004

MED WEST COUNTY STP

ADDRESS COME I MUTSVILLE FORFE CO MSD

4522 ALGUNGUIN PKWY

KY 40211-2497

WVMMYROUX PERMIT NUMBER DISCHARGE NUMBER

MAJOR (SUBR LV) F - FINAL

JEFFE

LOUISVILLE PER WEST COUNTY SIF

MONITORING PERIOD YEAR MO DAY YEAR MO DAY Josef Vinger 11 01 TO 07 .30 11

MUNICIPAL WASTEWATER EFFLUENT

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PARAMETER	OPER MG		TITY OR LOADING	1		QUALITY OR CONC	NOTE: Read Inst	tructions befo	NO.	npleting th		
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	OF ANALYSIS	TYPE	
OXYGEN, DISSOLVED	SAMPLE MEASUREME	· · · · · · · · · · · · · · · · · · ·	营养检验检验		5.6	教育特殊技术	各谷安计会	# (19)	Ø	Daily	Gah	
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREME	K TO THE	经长年基金	- 特殊於 持续務於	Z INST MIN	安装替替新	各种设计设备	MG/L		DAILA	URAB	
300, 5-0AY (20 Deg . 0)	SAMPLE MEASUREME	NT 29735	30688	(26)	安全的公司	179.8	201.6	(17)	Ø	Daily	comp.	
OCBIO G O O BAW SEW/INFLUENT	PERMIT REQUIREME	NT MO AVG	TROPERT WX WW AV	LWS/DY	华华安长於长	REPORT NO AVO	MEPORT MX WK A	44 4 A		DAIL	COMPTIS	
BOD. 5-DAY (EO DEG. C)	SAMPLE MEASUREME	NT 1706	2468	(26)	转长的设计会	9.7	11.0	(19)	Ø	Daily	Comp.	
OCCIO I O O <u>EFFLUENT GROSS VALUE</u>	PERMIT REQUIREME	7506 NT MO AV9	ilzst MX WK AV	_BS/DY	华州安州 谷中	OS GVA CM	45 MX WK A	37.1		DAILY	CUMPUS	
(3) g. g.	SAMPLE MEASUREME	NT 经条件条件	经验金额额额		7.0	经营销货贷款	7.5	(12)	Ø	Daily	Galo	
D0400 : 0 0 <u>EFFLUENT GROSS VALUE</u>	PERMIT REQUIREME	NT	新 斯克斯特 素	经保护的 经保护的	6.0 MINIMUM	计算条件符号	9.0 MAXIMUM	BU		PLIAC	PRAN	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREME	<u> </u>	37535	(26)	新华新校	214	240	(19)	Ø	Daily	Comp.	
00800 8 0 0 RAW SEW/INFLUENT	PERMIT REQUIREME	NT MC AVS	MEPORT MX WK AV	LESZDY	神教教教教	REPORT MO AVG	REPORT MX WK A	V MO/L		DAILY	tompos	
SCLIDS: TOTAL SUSPENDED	SAMPLE MEASUREME	100	1574	(26)	新教教的转	5,2	6.9	(19) 	Ø	Daily	conf.	
00530 1 0 0 Effluent gross value	PERMIT REQUIREME	7506 MT MO AVO	11259 11X WK AV		教教教修长生	30 MD AV8	MX WK A	V MO/L		PAILY	COMPOS	
MITROGEN. AMMONIA TOTAL (AS N)	SAMPLE MEASUREME		2960	(Ac)	各种特殊	17,1	19.6	(19)	Ø	Daily	comp	
00510 9 0 0 Raw Sew/Influent	PERMIT REQUIREME	NT MO AVG	MEPORT MX WX AV	_BS/DY	基并装装 设施	REPORT MO AVO	REPORT MX WK A	18177		PAILY	IGMP08	
H.J. Schardein	pro to	ertify under penalty of law that epared under my direction or suj assure that qualified personnel p omitted. Based on my inquiry of	pervision in accordance with properly gather and evaluate	h a system design the information		=D 06		TELEPHO	NE	DA	ATE	
EXEC. Director TYPED OR PRINTED	or su I a	omitted. Based on my inquiry of those persons directly responsit unitted is, to the best of my kno m aware that there are significa- cluding the possibility of fine an	le for gathering the informative and belief, true, account penalties for submitting f	ation, the informa curate, and complialse information,	tion SIGNA	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT AREA NUM					2 19 10 DAY	

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

USE MO AVG FOR BODITSS REMVIRERT IN MIMIMUM COLUMN.

Form Approved. OMB No. 2040-0004

MED WEST COUNTY STP

ADDRESS C/O LOUISVILLE/JEFF CO MSD

ASSO ALGONOVIN PAWY

KY 40211-2497

M SYNYYYYYYY 454594 CO PERMIT NUMBER DISCHARGE NUMBER MA.ITP (BUBG LV) F - FINAL

JEFFE

LOUISVILLE

FACILITY MSD WEST COUNTY STP

KY 40272

FROM

MONITORING PERIOD YEAR DAY YEAR MO DAY MO TO 1.1 30 (21 137

MUNICIPAL WASTEWATER EFFLUENT

*** NO DISCHARGE | ***
NOTE Read Instructions before completing this form

ATTM: ALEX E NOVAKI	DEER MOR					<u> </u>	NOTE: Read Instru	ctions befo	re con	npleting thi	s form.
PARAMETER		QUAN'	TITY OR LOADING		C	QUALITY OR CONC	NO. EX) UF	SAMPLE TYPE		
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	1117
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	998	1166	(26)	教教養學物學	6.6	6.7	(17)	Ø	Dasly	Comp.
00510 1 0 0 <u>EFFLUENT GROSS VALUE</u>	PERMIT REQUIREMENT	5004 MD AV9	7506 MX WK AV	_BB/DY	****	MO AVG	OS WK AV) AILY	COMPUS
MITROGEM, KUMLOAHL TOTAL (AS N)	SAMPLE MEASUREMENT	1523	2129	(26)	安长特於於安	9,4	11.2	(17)	Ø	WK	Comp.
00625 1 0 0 <u>Effluent gross value</u>	PERMIT REQUIREMENT	REPORT MD AVG	REFORT MX WM AV	LBS/DY	化妆妆妆妆	REPORT MO AVO	REFORT HX WK AV	MOZL	•	FEKLY	COMPOS
PHOSPHORUS: TOTAL (AS P)	SAMPLE MEASUREMENT	772	361	(26)	特殊教授特殊	1.6	1.8	(17)	9	WK	Comp.
00665 1 0 0 <u>Effluent Gross value</u>	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	_BS/DY	移移转移移	MO AVE	REPORT MX WK AV	MOZL	į	FEKLY	DOMFUS
FLOW: IN COMDULT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	21.2	42.7	(60)	的转移检查器	经经行营价的	特殊校校特务		Ø	C/N	C/N
SOOSO G O O RAW SEW/INFLUENT	PERMIT REQUIREMENT	MEPORT MO AVG	REPORT DAILY MX	agn	科科教学科书	接接套套套	传传交通传传	好 好 香 香 香		DOUS	CONTIN
FLOR: IN COMDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	20.6	42.1	(03)	经验检验	安特特特特	经经验检验	_	Ø	CN	C/N
30050 : 0 0 <u>Effluent gross value</u>	PERMIT REQUIREMENT	MEFORT MO AVG	DATLY MX	401)	***	经验证证证	有有特殊的 1	中华香茶 移移香茶		UGUS UGUS	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	经转移转换	松松安安安谷		种类转轮价数	杂头母经外头	20.019	(17)	Ø	Daily	Grab
50060 1 0 0 <u>Efflueni Gross valu</u> e	PERMIT REQUIREMENT	******	*************************************	沙林长 公子安长	各种基套条件	移松松松松松	0.019 DAILY MX	MG/L		AILY	SHMB
COLIFORM: FECAL GENERAL	SAMPLE MEASUREMENT	经特殊特殊的	野县轻松街的		经转移的 经转	3	4	(13)	Ø	Daily	Grab
74055 1 0 0 <u>Effluent gross value</u>	PERMIT REQUIREMENT	*****	* ******	经保护 经经验检查	各种基础条件	200 30DA GEO	7 DA GEO	100ML	I)AILY(ORAB
NAME/TITLE PRINCIPAL EXECUTIVE OF H.J. Schardein Exec. Director TYPED OR PRINTED	prepare to assur submitt or those submitt I am aw	under penalty of law that t d under my direction or sup e that qualified personnel p ed. Based on my inquiry of persons directly responsib- ed is, to the best of my kno are that there are significar ig the possibility of fine and	ervision in accordance with roperly gather and evaluate the person or persons who lee for gathering the informa wledge and belief, true, acc at penalties for submitting fi	a system design the information manage the syste- tion, the informa urate, and compl alse information,	em, tion etc. SIGNA	TURE OF PRINCIPAL	EXECUTIVE 50	TELEPHON 2 540 -6	000	07 17	2 19

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

USE MO AVS FOR BOD/TBS REMV: REPT IN MINIMUM COLUMN.

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

Form Approved. OMB No. 2040-0004

MAD MEST COUNTY STP

ADDRESS C/O LOUISVILLE/JEFF CO MSD

ASEE ALCOMOUTH PARTY

MED WEST COUNTY STP

KY 40211-2497

RVMMTTGGEL 1761 M PERMIT NUMBER DISCHARGE NUMBER

MA. ITIR (以) 剪問(記) F - FINAL

LOUISVILLE

DUTSVILLE

ALEX E NOVAK,

FROM MY AOPTR

MONITORING PERIOD YEAR DAY YEAR MO DAY MO TO (")(") 77 7.7 (1) 7 3 1

FFF! UFBT WEST NO DISCHARGE ! ! WHY

NOTE: Read Instructions before completing this form.

MUNICIPAL WASTEWATER

FREQUENCY SAMPLE NO. PARAMETER QUANTITY OR LOADING QUALITY OR CONCENTRATION ËΥ TYPE ANALYSIS **AVERAGE** MAXIMUM UNITS MINIMUM **AVERAGE** MAXIMUM UNITS ROD. 5-DAY PERCENT SAMPLE 经营销的证据 沙特特特特计 经共享的条件 计计分类设计 (23) MEASUREMENT REMOVAL 海霉 安安安安安安 FR. PERMIT 经基础格 经收益条款 经营养税收益 R1018 74 0.0 433443 REQUIREMENT MIT AVG 多类量量 PERCENT REMOVAL CENT (23) 经存款经济 SUSPENDED SAMPLE 상상상상상상 经经营营营护 经安全管理的 ROLIDS. MEASUREMENT PERCENT REMOVAL PERMIT 선 건 전 한 화 차 차 3333333 Sep. 35 13 5 4-4-6-6-4-6 经验证证证证 ER-81011 K 0 0 REQUIREMENT 经经验税 MIN MIN CENT MITH PERCENT REMOVAL SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

TYPED OR PRINTED

H.J Schardein

Exec. Director

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

07 502 540-6000 NUMBER YEAR MO

TELEPHONE

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

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

PERMIT REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT

DATE

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

Form Approved. OMB No. 2040-0004

MED WEST COUNTY STP

ADDRESS C/O LOUISVILLE/JEFF CO MGD

AREE ALGONOUIN PROY

LOUISVILLE

KY 40211-2497

WVNOTEREA PERMIT NUMBER

0/11 0 DISCHARGE NUMBER MAJOR (SUBR LV) F - FINAL

1 1 1 1 1 1 1

MED WEST COUNTY STP LOCATION LOUISVILLE

KY 40272

FROM

MONITORING PERIOD YEAR YEAR DAY MO DAY MO TO 01 C Z 30

EFFLUENT *** NO DISCHARGE | | ***

REASONABLE PUTENTIAL

PARAMETER			QUANT	TITY OR LOADING			QUALITY OR CONC	CENTRATION		NO. EX	FREQUENCY OF	SAMPLE TYPE
		A'	VERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	1175
CHROMIUM, HEXAVALEMT (AS CR)	SAMPLE MEASUREM	1	经验证证据	化松松松谷		经验证证券	20.010	40.010	(I7)	Ø		Comp
01002 1 0 0 E <mark>ffluent Gross Valu</mark> e	PERMIT REQUIREMI	trade at the second	가장 가석 중	nasasa a	有特殊 经特殊等	작산축작작분	MEPORT MO AVG	REPORT DAILY MX	MG/L	(MCE/ MONTH	COMPUS
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NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER I			nis document and all attach		ned			TELEPHO	NE	DA	TE,
H.J. Schardein	te	assure that qua	alified personnel pr	operly gather and evaluate the person or persons who	the information		1.62	2.5				-
Exec. Director	0 8	r those persons ubmitted is, to t	those persons directly responsible for gathering the information, the information bunitted is, to the best of my knowledge and belief, true, accurate, and complete, and aware that there are significant penalties for submitting false information, cluding the possibility of fine and imprisonment for knowing violations. SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT OFFICER OR AUTHORIZED AGENT									2 19
TYPED OR PRINTED			ssibility of fine and	NUMBE	R	YEAR N	O DAY					

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

Name	of Sewag	je Treatm	ent Plar	nt Plant: West County						/WTP									Month of:					November					2007								
KPDE	S Permit	Number:			К	Y00789	956		F	Plant C	apacity		3	0 MGD		County		Recei	ving Stre	am:					Ohio Ri	ver											
																					Activated		1														
		Raw Sewag		Но			tleable s (mL/L)			ssolve			pende ds (mg/			Total ds (mo	/L)	5-day BC (mg/L)		Re	Sludge eturn	WAS	Aeration S Basin			Aeration Basin						Dig Sludge			Final		
Date	Total Flow (MG)	Srit Removed (cu	Screenings (cu. ft.	Raw	Final	8aw	rimary (or Sec.)	-inal	Stream Above	inai	Stream Below	Raw	orimary (or Sec.)	linal	Saw	Primary (or Sec.)	Final	Raw Primary (or Sec.)		Willion Gal/Day		, X 1000	5 €	Oxygen (mg/L) #2	MLSS (mg/L) X1000 #1	MLVSS (mg/L) X1000 #1	30 min. SettS.	SVI	% Solids	rus	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Fecal Coliform Col./100mi			
1	19,11				7.2				- 07	7.6	- 0,	226		5				189	8		3430	Ŭ			1590	1170	90.0	0.06				0.01	6.22				
2	18.22			7.3	7.2					7.5		232		4				178	9		3940				1810	1290	100.0	0.06				0.01	5.99				
3	18.44			7.3	7.4					7.0		166		5				164	9		3880				1670	1200	100.0	0.06				0.01	6.38				
4	18.95		1	7.3	7.5					7.0		236		5				257	10		3700				1890	1390	110.0	0.06			8.52	0.01	6.78				
5	18.08			7.3	7.2					7.9		224		5				193	10		3620				1700	1170	100.0	0.06	L			0.01	6.16	40			
6	18.73			7.5	7.2					8.4		244		4				193	9		3750				1740	1310	110.0	0.06		1.80		0.01		:			
7	17.53			7.3	7.3					7.9		226		4				189	8		3820				1760	1310	110.0	0.06	<u></u> '			0.01	5.82				
8	16.91			7.4	7.2					7.7		212		3				194	8		3850				1870	1460	100.0	0.05				0.01	6.27				
9	15.92			7.2	7.2					7.7		220		5				183	10		4350				1680	1210	100.0	0.06				0.01	6.00				
10	18.19			7.3	7.3					7.1		214		6				191	14		3890				1720	1280	110.0	0.06				0.01	8.00	1.			
11	16.82				7.4					6.5		200		7				212	11		3400		1		1780	1300	100.0	0.06			10.30	0.01	7.78				
12	17.74				7.3			_		7.6		200		5				194	10		3670			<u> </u>	1840	1360	110.0	0.06	***************************************			0.01	6.89				
13	17.93				7.3			_		7.9		252		3				206	11		3410				1670	1270	110.0	0.07	********	1.80		0.01	6.16				
14	20.27				7.1		<u> </u>	_		7.6		222		4				186	7		3720				1890	1420	120.0	0.06				0.01	5,49				
15	17.96				7.2			_		7.7		212		4				177	5		3860			L	1900	1410	110.0	0.06				0.01	5.26				
16	1			-	7.2			_		7.4		208		3				166	4		3540				1840	1370	100.0	0.05				0.01	5.38				
17					7.2				į.	7.4		208		5				178	7		3610	+			1830	1420	110.0	0.06	ļ			0.01					
18					7.3	-				7.2		296		5	_			293	9		3750	****	-		1860	1440	120.0	0.06	 '		7.72	_	-				
	17.05				7.2					7.1		230		4	-			216	8		3580	+		<u> </u>	1910	1450	130.0	0.07				0.01	-				
20	17.48				7.2					7.0		252		3				189	8		3560	,		-	1790	1400	130.0	0.07	 	4.70		0.01	5.49				
21	24.33				7.2					7.4		296		7				146	13		4730	_			1870	1460		0.07	 	1.78		0.01					
22	27.60				7.4		-			7.5		162		8				158	10		4810	_	+		1370	1100	110.0	0.08	ŧ			0.01	-				
23	21.66				7.5					7.4		176		6				171	9		4600				1890	1450		0.06				0.01	+ -				
24	20.24				7.3	_	-+	\dashv		7.4		156		6				162	13 18		2790				1480	1160 940	100.0 100.0	0.08	+		11.20	0.01	, 				
25	22.79 42.08		_		7.5 7.2	-				7.6		210		8 10	\rightarrow			201 112	14		2870 4590				1210 1900	1510	130.0	0.08			11.20	0.01	+				
26	30.84				7.2					9.1 8.9		146 118		5	-+			92	8		5180				1670	1290	120.0	0.07	-			0.01	-				
27 28					7.4					8.6		146		5	\dashv			104	7	***************************************	4580				1870	1470	130.0	0.07	-	0.83		0.01	·				
29	22.29	-	-	-	7.3					8.4		276		6	-+			117	8		4200				1940	1500	130.0	0.07		0.00		0.01					
30	22.84				7.3					8.5		150		6	-		 -	137	10		4270	• 	1		1800	1380		0.07	ļ			0.01					
31	0.00	_		-1.3	1.0					0,0		100						107	1 '		74,0		1		1000	1000	,00.5	#VALUE!				0.0,	1.51				
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Total I	Number o	of Sewer (0	·			Industria	l Waste	Populati	on Equ	uivalen	ıt				•	•			Operator			Stephen Patterson									
		onnection:	s:			_						1	90356		_		17480	1		7118	-				Cert.#					58	79						
	rial Conn					_							Flow				BOD		-	rss																	
Sewer	Connec	tions X 4	m			0																			Phone #					502-540	0-6042						

NAME OF SEWAGE TREATMENT PLANT WEST COUNTY WTP

Month of: November 2007

Average Flow 20.65 MGD

		Weather		
		Data		
Date	High	wo-	Rainfall	Remarks
1				Maint. Pulled #4 scum pump for repair
2				#4 scum pump repaired and back in service. Hypo delivery.
3				Cleaned bio-filter area.
4				Controls group programed sludge transfer pumps to start/stop at computer.
5			0.58	
6				Cleaned RAS building. Cleaned screen area. PM RAS pumps.
7				
8				Backflushed grit pumps. PM on algae brushes.
9			0.01	Tested B-3 Inf pump, new bearings.
10				
11			0.03	
12				Test ran 1-B for vibrations
13			0.34	Test ran 1-B and 3-B for maint check.
14		·		Maint. PM RAS pumps Test ran 4-B influent, new bearings.
15			0.2	Contractor installed new water hydrant at solids loading station.
16				
17				
18				
19			0.01	Hypo delivery
20				PM on wc oil checks and primary
21				Elect. Working on screw conveyor. Cleaned RAS and W-2 buildings.
22				
23				
24				
25			1.46	
26			0.25	Cleaned pump building
27				
28				
29				Cleaned clarifier scum wells.
30				PM W-2 pumps
31				
Total			2.93	
Avg.			0.33	