



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

January 16, 2013

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

**RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report-December 2012**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Cedar Creek WQTC, KPDES No.: KY0098540 for the month of December 2012.

Also attached are the fourth quarter biomonitoring DMR's.

There were no exceedences, bypasses or overflows to report.

If you have any questions concerning the attached DMR's, please contact me at (502) 239-7574.

Sincerely,

A handwritten signature in cursive script that reads "Duane V. Wright".

Duane V. Wright
Process Supervisor Central Region

DVW/Cedar Creek 12.12.doc

Enclosures

cc: T. Singleton
R. Shaw



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

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

KY0098540
PERMIT NUMBER


001 Y
DISCHARGE NUMBER

MAJOR (SUBR LV)
F - FINAL JEFFE
METALS/BIOMONITORING/QUARTERLY
EFFLUENT
[] No Discharge

LOCATION LOUISVILLE KY 40291
ATTN: DENNIS THOMMASSON SR. METRO OPS

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	12	10	01		12	12	31

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				
HARDNESS, TOTAL (AS CaCO3) 00900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	266	266	(19) MG/L	0	1/90	CP	
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS	
CADMIUM, DISSOLVED (AS CD) 01025 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	< 0.001	< 0.001	(19) MG/L	0	1/90	CP	
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS	
COPPER, DISSOLVED (AS CU) 01040 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	< 0.006	< 0.006	(19) MG/L	0	1/90	CP	
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS	
LEAD, DISSOLVED (AS PB) 01049 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	< 0.08	< 0.08	(19) MG/L	0	1/90	CP	
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS	
ZINC, DISSOLVED (AS ZN) 01090 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	0.033	0.033	(19) MG/L	0	1/90	CP	
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS	
ZINC TOTAL RECOVERABLE 01094 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	0.034	0.034	(19) MG/L	0	1/90	CP	
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS	
CADMIUM TOTAL RECOVERABLE 01113 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	< 0.001	< 0.001	(19) MG/L	0	1/90	CP	
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT, SEE 18 U.S.C. 1001 AND 33 U.S.C. 1319. (Penalties under those statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.							TELEPHONE		DATE		
GREG HEITZMAN EXECUTIVE DIRECTOR								502	540-6000	13	01	10
TYPED OR PRINTED								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO

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

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

KY0098540
 PERMIT NUMBER

001 Y
 DISCHARGE NUMBER

MAJOR (SUBR LV)
 F - FINAL JEFFE
 METALS/BIOMONITORING/QUARTERLY
 EFFLUENT
 [] No Discharge

LOCATION LOUISVILLE KY 40291
 ATTN: DENNIS THOMMASSON SR. METRO OPS

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
12	10	01		12	12	31

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			
LEAD TOTAL RECOVERABLE 01114 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	< 0.08	< 0.08	(19) MG/L	0	1/90	CP
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS
COPPER TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	< 0.006	< 0.006	(19) MG/L	0	1/90	CP
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS
TOXICITY, FINAL CONC TOXICITY UNITS 61406 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	*****	<1.00	(2G) TOXCTY	0	1/90	CP
	PERMIT MEASUREMENT	*****	*****	***	*****	*****	1.0 DAILY MX	(2G) TOXCTY		QTRLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER GREG HEITZMAN EXECUTIVE DIRECTOR	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. 1001 AND 33 U.S.C. 1319. (Penalties under those statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.						TELEPHONE		DATE		
TYPED OR PRINTED							502 540-6000		13 01 10		
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						AREA CODE	NUMBER	YEAR	MO	DAY

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

KY0098540
PERMIT NUMBER

0012
DISCHARGE NUMBER

MAJOR (SUBR LV) JEFFE
F - FINAL
NEW EXPANSION
EFFLUENT
[] No Discharge

LOCATION LOUISVILLE KY 40291
ATTN: DENNIS THOMMASSON SR. METRO OPS

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
12	12	01		12	12	31

NOTE: Read instructions before completing this form

PARAMETER	MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	*****	*****	***	8.8	*****	*****	(19) MG/L	0	1/1	GR	
00300 1 0 0	PERMIT MEASUREMENT	*****	*****	***	7.0 INST MIN	*****	*****	(19) MG/L		THREE/WEEK	GRAB	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	6.6	*****	7.5	(12) SU	0	1/1	GR	
PH	PERMIT MEASUREMENT	*****	*****	***	6.0 MINIMUM	*****	9.0 MAXIMUM	(12) SU		THREE/WEEK	GRAB	
00400 1 0 0	SAMPLE MEASUREMENT	4358	5231	(26) LBS/DY	*****	151	293	(19) MG/L	0	3/7	CP	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	93	149	(26) LBS/DY	*****	2	3	(19) MG/L	0	3/7	CP	
00530 G 0 0	PERMIT MEASUREMENT	1876 MO AVG	2815 MX WK AV	(26) LBS/DY	*****	30 MO AVG	45 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	386	414	(26) LBS/DY	*****	12.9	21.8	(19) MG/L	0	3/7	CP	
NITROGEN, AMMONIA TOTAL (AS N)	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
00610 G 0 0	SAMPLE MEASUREMENT	29	61	(26) LBS/DY	*****	0.8	1	(19) MG/L	0	3/7	CP	
RAW SEW/INFLUENT	PERMIT MEASUREMENT	625 MO AVG	938 MX WK AV	(26) LBS/DY	*****	10 MO AVG	15 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	4	7	(26) LBS/DY	*****	0.1	0.1	(19) MG/L	0	3/7	CP	
00610 1 2 0	PERMIT MEASUREMENT	125 MO AVG	156 MX WK AV	(26) LBS/DY	*****	2.0 MO AVG	2.5 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	4	7	(26) LBS/DY	*****	0.1	0.1	(19) MG/L	0	3/7	CP	
PHOSPHORUS, TOTAL (AS P)	PERMIT MEASUREMENT	125 MO AVG	156 MX WK AV	(26) LBS/DY	*****	2.0 MO AVG	2.5 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
00665 1 0 0	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. 1001 AND 33 U.S.C. 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	GREG HEITZMAN EXECUTIVE DIRECTOR				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				TELEPHONE		DATE	
TYPED OR PRINTED									502 540-6000		13 01 14	
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)									AREA CODE NUMBER		YEAR MO DAY	

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

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

KY0098540
PERMIT NUMBER

001 2
DISCHARGE NUMBER

MAJOR (SUBR LV)
F - FINAL JEFFE
NEW EXPANSION
EFFLUENT
[] No Discharge

LOCATION LOUISVILLE KY 40291
ATTN: DENNIS THOMMASSON SR. METRO OPS

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
12	12	01		12	12	31

NOTE: Read instructions before completing this form

PARAMETER	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 50050 1 0 0	SAMPLE MEASUREMENT	4.43	9.15	(03) MGD	*****	*****	*****	***	0	CN	CN
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	*****	*****	*****	***		CONTINUOUS	CONTIN
COLIFORM, FECAL GENERAL 74055 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	*****	3	4	(13) 100ML	0	3/7	GR
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	*****	200 30DA GEO	400 7 DA GEO	(13) 100ML		THREE/WEEK	GRAB
BOD, CARBONACEOUS 05 DAY, 20C 80082 G 0 0	SAMPLE MEASUREMENT	2552	3187	(26) LBS/DY	*****	85	162	(19) MG/L	0	3/7	CP
RAW SEW/INFLUENT	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		THREE/WEEK	COMPOS
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0	SAMPLE MEASUREMENT	76	120	(26) LBS/DY	*****	2	2	(19) MG/L	0	3/7	CP
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	625 MO AVG	938 MX WK AV	(26) LBS/DY	*****	10 MO AVG	15 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS
BOD, CARB 5-DAY, 20 DEG C, PERCENT REMVL 80091 K 0 0	SAMPLE MEASUREMENT	*****	*****	***	98	*****	*****	(23) CENT	0	1/31	CA
PERCENTREMOVAL	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0	SAMPLE MEASUREMENT	*****	*****	***	99	*****	*****	(23) CENT	0	1/31	CA
PERCENTREMOVAL	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
GREG HEITZMAN
EXECUTIVE DIRECTOR
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C 1001 AND 33 U.S.C 1319. (Penalties under those statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
TELEPHONE 502 540-6000
DATE 13 01 14
YEAR MO DAY

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

NAME OF TREATMENT PLANT CEDAR CREEK WTP
 KPDES PERMIT NUMBER KY0098540

COUNTY JEFFERSON
 PLANT CAPACITY 7.5 MGD

MONTH OF: December 2012
 RECEIVING STREAM CEDAR CREEK

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	WASTED GAL/DAY	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME		RAW			HAULED			NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	Total Phosphorus			
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	ANTHRACENE GALLONS X 1000						
1	1.97			6.7	6.8					9.6							1.45		60000	2.6			350	270													
2	2.14			6.8	6.9	10.0				9.4			346		2	189		2	1.47		60000	2.1			340	290								0.39	2	0.1	
3	1.91			6.8	6.6	11.0				8.9			294		2	169		2	1.48	5860	60000	1.9	2830	2310	290	250							2.10	2	0.135		
4	2.44			6.9	6.7	10.0				8.9			238		2	128		2	1.45	5540	60000	2.0	2760	2280	300	250							1.40	2	0.1		
5	3.46			6.8	6.7					8.8								1.60	8250	60000	4.6	2.64	2270	300	250												
6	2.82			6.5	6.6					9.0								1.54	7190	60000	3.8	2710	2130	300	280												
7	8.04			6.7	6.8					9.4								1.53	7660	60000	3.5	2660	2090	290	260												
8	9.15			6.9	6.7					10.0								2.63		60000	3.0			290	270												
9	7.25			7.0	6.9	4.0				9.9			66		2	40		2	3.79		60000	3.6			300	270								0.11	5	0.1	
10	9.15			6.9	7.0	3.0				10.0			78		2	60		2	3.80	8340	60000	3.1	2270	1920	280	220							0.28	2	0.1		
11	5.21			6.8	7.5	6.0				10.0			86		2	59		2	3.80	6060	60000	3.2	2920	2350	310	270							0.50	2	0.154		
12	4.00			6.8	7.2					10.0								3.90	4630	60000	3.0	2910	2470	340	300												
13	3.63			6.7	7.0					10.0								3.81	4820	60000	5.2	2820	2240	320	300												
14	3.56			6.8	7.1					9.9								3.09	6410	60000	3.4	2930	2330	400	340												
15	3.65			6.6	6.9					10.0								2.37		60000	4.1			400	320												
16	3.40				7.0	8.0				9.9			208		2	126		2	2.32		60000				350	290							0.45	2	0.1		
17	3.38			6.7	6.6	10.0				11.0			207		2	60		2	2.32	5340	60000	2.0	2890	2330	340	290							0.78	11	0.104		
18	3.51			6.8	6.7	10.0				11.0			108		3	51		2	2.38	4960	60000	2.9	2760	2280	320	290							0.22	4	0.1		
19	3.16			7.0	6.7					10.0								2.34	5620	60000	2.6	2760	1860	200	150												
20	4.67			6.9	6.8					11.0								2.36	5260	60000	3.6	2400	2000	290	250												
21	5.03			6.7	6.9					11.0								2.56	8070	60000	4.4	2310	1820	280	220												
22	4.17			6.8	6.9					10.0								3.90		60000	3.7			270	-210												
23	4.02			6.7	6.8					9.9								3.99		60000	3.6			280	210												
24	4.04			6.8	6.9					9.2								3.08		60000	2.3			290	210												
25	3.45			7.1	7.1	8.0				9.5			69		2	59		2	2.41		60000	2.7			290	210								0.28	2	0.1	
26	7.01			7.1	6.9	12.0				11.0			40		5	29		2	2.36	8460	60000	4.1	2040	1460	260	240							2.90	2	0.145		
27	5.84			7.0	6.7	12.0				10.0			76		2	46		2	3.21	8130	60000	3.7	2360	1630	270	250							0.11	2	0.1		
28	4.55			7.0	7.0					12.0								3.97	6460	60000	4.1	2830	1950	300	250												
29	4.63			7.1	7.0					10.0								3.94		60000	3.8			290	250												
30	4.14			7.0	7.0					11.0								3.65		60000	4.4			310	260												
31	3.80			7.0	7.2					11.0								3.57		60000	4.0																
Tot.	137.20																	86.07																			
Avg.	4.43			6.8	6.9	8.7				10.0			151		2	85		2	2.776	6392	60000	3.367	2509	2096	305	257.3							0.79	3	0.112		

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

42150 18383 26599

FLOW CBOD TSS

Joseph Shaun Smith

OPERATOR

20987

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-239-7695

PLANT TELEPHONE