



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)

October 12, 2011

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

RE: Cedar Creek WQTC, KPDES No: KY0098540  
Discharge Monitoring Report-September 2011

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 September 2011.

Also attached is the third quarter Biomonitoring DMR.

There were no exceedences, bypass or overflow reports.

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 9.11.doc

Enclosures

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



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

0012  
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
11	09	01		11	09	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				
OXYGEN, DISSOLVED (DO)	MEASUREMENT	*****	*****	***	8.0	*****	*****	(19) MG/L	0	1/1	GR	
00300 1 0 0	PERMIT MEASUREMENT	*****	*****	***	7.0	*****	*****	(19) MG/L		THREE/WEEK	GRAB	
EFFLUENT GROSS VALUE	MEASUREMENT	*****	*****	***	INST MIN	*****	*****	(12) SU	0	1/1	GR	
PH	MEASUREMENT	*****	*****	***	6.6	*****	8.1	(12) SU		THREE/WEEK	GRAB	
00400 1 0 0	PERMIT MEASUREMENT	*****	*****	***	6.0	*****	9.0	(12) SU		THREE/WEEK	GRAB	
EFFLUENT GROSS VALUE	MEASUREMENT	*****	*****	***	MINIMUM	*****	MAXIMUM	(19) MG/L	0	3/7	CP	
SOLIDS, TOTAL SUSPENDED	MEASUREMENT	3025	5426	(26) LBS/DY	*****	148	208	(19) MG/L		THREE/WEEK	COMPOS	
00530 G 0 0	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	
RAW SEW/INFLUENT	MEASUREMENT	40	58	(26) LBS/DY	*****	2	2	(19) MG/L	0	3/7	CP	
SOLIDS, TOTAL SUSPENDED	MEASUREMENT	1876	2815	(26) LBS/DY	*****	30	45	(19) MG/L		THREE/WEEK	COMPOS	
00530 1 0 0	PERMIT MEASUREMENT	MO AVG	MX WK AV	(26) LBS/DY	*****	MO AVG	MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
EFFLUENT GROSS VALUE	MEASUREMENT	382	402	(26) LBS/DY	*****	21	25	(19) MG/L	0	3/7	CP	
NITROGEN, AMMONIA TOTAL (AS N)	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	PERMIT MEASUREMENT	10	17	(26) LBS/DY	*****	0.6	1	(19) MG/L	0	3/7	CP	
NITROGEN, AMMONIA TOTAL (AS N)	MEASUREMENT	250	375	(26) LBS/DY	*****	4	6	(19) MG/L		THREE/WEEK	COMPOS	
00610 1 1 0	PERMIT MEASUREMENT	MO AVG	MX WK AV	(26) LBS/DY	*****	MO AVG	MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
EFFLUENT GROSS VALUE	MEASUREMENT	3	4	(26) LBS/DY	*****	0.1	0.2	(19) MG/L	0	3/7	CP	
PHOSPHORUS, TOTAL (AS P)	MEASUREMENT	63	94	(26) LBS/DY	*****	1.0	1.5	(19) MG/L		THREE/WEEK	COMPOS	
00665 1 0 0	PERMIT MEASUREMENT	MO AVG	MX WK AV	(26) LBS/DY	*****	MO AVG	MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
EFFLUENT GROSS VALUE	MEASUREMENT	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	H J SCHARDEIN EXECUTIVE DIRECTOR							TELEPHONE		DATE		
TYPED OR PRINTED	Signature of H J Schardein							502	540-6000	11	10	14
	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							AREA CODE	NUMBER	YEAR	MO	DAY

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

0012  
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
11	09	01		11	09	30

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 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	2.41	5.37	(03) MGD	*****	*****	*****	***	0	CN	CN	
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	*****	*****	*****	***		CONTINUOUS	CONTINUOUS	
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	4	4	(13) 100ML	0	3/7	GR	
	PERMIT MEASUREMENT	*****	*****	***	*****	200 30DA GEO	400 7 DA GEO	(13) 100ML		THREE/WEEK	GRAB	
BOD, CARBONACEOUS 05 DAY, 20C 80082 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	1770	1972	(26) LBS/DY	*****	96	115	(19) MG/L	0	3/7	CP	
	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 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	40	58	(26) LBS/DY	*****	2	2	(19) MG/L	0	3/7	CP	
	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 PERCENTREMOVAL	SAMPLE MEASUREMENT	*****	*****	***	98	*****	*****	(23) CENT	0	1/30	CA	
	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD	
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT	*****	*****	***	99	*****	*****	(23) CENT	0	1/30	CA	
	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD	
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		
H J SCHARDEIN EXECUTIVE DIRECTOR	<i>Dennis Thommasson</i> SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							502	540-6000	11	10	14
TYPED OR PRINTED								AREA CODE	NUMBER	YEAR	MO	DAY

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

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
11	07	01		11	09	30

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

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) 00900 1 0 0 EFFLUENT GROSS VALUE	MEASUREMENT	*****	*****	***	*****	253	253	(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	MEASUREMENT	*****	*****	***	*****	< 0.0010	< 0.0010	(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	MEASUREMENT	*****	*****	***	*****	< 0.003	< 0.003	(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	MEASUREMENT	*****	*****	***	*****	< 0.080	< 0.080	(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	MEASUREMENT	*****	*****	***	*****	0.007	0.007	(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	MEASUREMENT	*****	*****	***	*****	0.007	0.007	(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	MEASUREMENT	*****	*****	***	*****	< 0.0010	< 0.0010	(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		
H J SCHARDEIN EXECUTIVE DIRECTOR								502	540-6000	11	10	14
TYPED OR PRINTED								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR

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

PERMITTEE NAME/ADDRESS (Include

Facility Name/Location if different)

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

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

KY0098540  
 PERMIT NUMBER

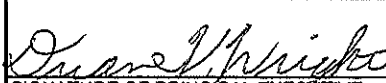
001 Y  
 DISCHARGE NUMBER

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
FROM 11	07	01		11	09	30

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	*****	*****	***	*****	< 0.080	< 0.080	(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	*****	*****	***	*****	< 0.003	< 0.003	(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											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY FO LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FRO 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		
H J SCHARDEIN EXECUTIVE DIRECTOR								502	540-6000	11	10	14
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 OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: September 2011  
 KPDES PERMIT NUMBER KY0098540 PLANT CAPACITY 7.5 MGD RECEIVING STREAM CEDAR CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH			SETTLEABLE 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 COUFORM (COLONIES/100ML)	Total Phosphorus					
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS				WITHDRAWN GALLONS X 1000				
1	1.60			7.6	8.0					8.0			136		2	139		2	1611.00	7880	65000	3.5	3000	2440	300									1.20	4	0.1		
2	1.72			7.4	7.6	19.0				8.0									1598.00	4460	60000	4.4	2880	2110	290													
3	1.73			7.4	8.1	15.0				8.0									1724.00	4090	60000	3.8	2890	2350	290													
4	1.81			7.4	8.1					8.0									1760	4080	46000	3.6	2980	2450	290	260												
5	2.06			7.5	7.3					8.0			63		2	115			1846	6400	60000	4.0	2980	2390	300	260								0.06	4	0.218		
6	2.02			7.4	7.4	14.0				9.0			60		2	92			1814	5920	56000	4.6	2820	2280	290	260								1.10	4	0.119		
7	1.98			7.5	7.6	10.0				9.0									1772	5680	55000	4.1	2710	2140	290	260												
8	1.99			7.6	7.3					9.0			127		2	76			1830	5940	55000	4.2	2670	2100	280	250									1.30	4	0.135	
9	2.18			7.5	7.5	11.0				9.0									1777	5410	50000	4.4	2490	2020	290	250												
10	2.03			7.6	7.3					8.0									1685		50000	4.2			280	250												
11	2.16			7.4	7.4					8.0			110		2	87			1596	5360	40000	4.4	4220	3310	290	250								0.73	4	0.1		
12	1.88			7.2	6.6	8.0				8.0			147		2	109			1864	4280	46000	3.9	2300	1700	280	250												
13	1.82			6.4	6.8	9.0				8.0									1889	3920	35000	4.1	2180	1720	300	270												
14	1.80			6.7	6.8					8.0									1850	3410	32000	4.2	2040	1700	280	240												
15	2.13			6.9	6.9					8.0			178		2	120			1887	3990	39000	4.4	2440	1880	310	270									0.06	4	0.165	
16	1.97			6.9	6.9	9.0				8.0									1942	3990	37000	4.2	2490	1930	280	250												
17	2.00			7.0	7.0					8.0									1965		41000	4.0			290	270												
18	2.17			6.9	7.1					8.0			134		2	105			1935		40000	4.4			300	270								0.28	4	0.173		
19	2.60			7.0	7.0	12.0				8.0			192		2	87			1868	4560	55000	3.8	2740	2080	290	270									0.56	4	0.21	
20	2.61			7.0	7.3	5.0				8.0									1780	5400	56000	3.2	2930	2260	330	250												
21	2.39			7.1	7.1					8.0									1781	5480	61000	3.6	2830	2200	320	300												
22	2.27			7.0	7.0					8.0			226		2	109			1876	5110	50000	3.6	2640	2080	300	280									0.06	4	0.1	
23	3.49			6.9	6.8	14.0				8.0									1881	5320	55000	3.1	2710	2120	310	270												
24	3.28			7.0	7.0					8.0									1808		40000	2.9			300	270												
25	2.85			7.4	7.1					9.0			275		2	76			1721		60000	3.3			300	250									0.22	4	0.174	
26	5.37			7.2	7.3	21.0				9.0			122		2	35			1828	4040	50000	3.8	2970	2200	320	270									0.22	4	0.141	
27	3.82			7.4	7.2	16.0				8.0									5737	5110	53000	3.5	2490	2080	300	250												
28	2.91			7.1	7.1					8.0									3569	4210	65000	3.3	2720	2260	350	300												
29	2.99			7.2	7.3					8.0									3419	4460	60000	2.9	2660	2200	330	280												
30	2.83			6.8	7.5					8.0									2431	5540	60000	2.0	2250	1680	270	240												
31																																						
Tot.	72.43																		62044																			
Avg.	2.41			7.2	7.2	12.5				8.2			148		2	96			2068.133	4962	51066.67	3.78	2720	2147	298.3	262.6									0.56	4	0.145	

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

22995 FLOW      11351 CBOD      14143 TSS

Joseph Shaun Smith OPERATOR      20987 CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0  
 SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-239-7695  
PLANT TELEPHONE