





# ENVIRONMENTAL MONITORING LABORATORY

BIOLOGICAL & CHEMICAL ANALYSIS / UTILITIES MANAGEMENT & OPERATION / WATERWELL DRILLING & SERVICE / GEOLOGICAL INVESTIGATIONS  
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Sugar Tree  
WWTP - Analytical Summary Sheet



MARCH 2016

Date	Raw Influent		
	BOD	TSS	pH
	EPA 405.1 5210 B	160.2 2540 D	160.1 4500H-B
	mg/L	mg/L	g/L
3/1/16			
3/7/16			
3/14/16			
3/23/16			
3/31/16			
AVERAGES	—	—	—

Oxidation-Basin		
MLSS	DO	pH
160.2 2540 D	350.1 4500-O-G	160.1 4500H-B
mg/L	mg/L	g/L

Final Effluent							
CBOD	TSS	pH	DO	NH3-N	T. PHOS.	E. coli	FLOW
405.1 5210 B	160.2 2540 D	160.1 4500H-B	350.1 4500-O-G	365.2 4000-P-E	365.2 4000-P-E	10000 10000 (perm.)	MGD
mg/L	mg/L	g/L	mg/L	mg/L	mg/L	MPN/100 mL	
9	7			0.47	1.96		0.006
4	9			0.43	1.08	1	0.003
2	13			<0.10	1.20		0.006
5	8			0.45	1.93		0.006
<2	5			0.51	2.35		0.003
4	8			0.39		1.0000	0.0048

**85%**  
**1.70**

MONTHLY CALCULATIONS				
mg/L x 8.34 x MGD = lbs per day				
BOD				
mg/L	W	MGD		LBS
9	8.34	0.0060	=	0.4504
4	8.34	0.0030	=	0.1001
2	8.34	0.0060	=	0.1001
5	8.34	0.0060	=	0.2502
2	8.34	0.0030	=	0.0500
Total -				0.9508
# of Weeks -				5
Average -				0.1902
TSS				
mg/L	W	MGD		LBS
7	8.34	0.0060	=	0.3503
9	8.34	0.0030	=	0.2252
13	8.34	0.0060	=	0.6505
8	8.34	0.0060	=	0.4003
5	8.34	0.0030	=	0.1251
Total -				1.7514
# of Weeks -				5
Average -				0.3503
TOTAL PHOSPHORUS				
mg/L	W	MGD		LBS
1.96	8.34	0.0060	=	0.0981
1.08	8.34	0.0060	=	0.0540
1.20	8.34	0.0030	=	0.0300
1.93	8.34	0.0000	=	0.0000
2.35	8.34	0.0000	=	0.0000
Total -				0.1821
# of Weeks -				5
Average -				0.0364