



Wastewater System Service Report

Wed. Jan. 8, 2009

	Basin 1	Basin 2	Basin 3	Basin 4	Basin 5	Basin 6	Targets	Yellow Zone	Red Zone
pH	6.88	6.81	6.81	6.77	6.81	6.79			
MLSS	2080	3315	2435	2610	3400	2935	3000 - 5000	2000 - 3000 5000 - 6000	<2000 >6000
30 minute SSV	200	400	250	250	200	200			
SVI	96.2	120.7	102.7	95.8	58.8	68.1	125 - 175	175 - 225	>225
Vent Purity	60	62	56	54	36	38		<30	<20
Secondary Sludge Blanket	7	5	5	6	4				
DOUR	17	17	13	13	18	19			
SOUR	8.2	5.1	5.3	4.9	5.3	6.5	6 - 10	10 - 16	>16
Turbidity	34.4		27.8		32.9		<50 NTU	50 - 100 NTU	>100 NTU
Ammonia	0.10		0.14		0.10		0.3 - 1.0 mg/l	0.1 - 0.3 mg/l	<0.1 mg/l
Orthophosphate as P	0.78		0.72		1.38		0.3 - 0.5 mg/l	0.1 - 0.3 mg/l	<0.1 mg/l
Filament Rating	2		2		2		<4	4.0 - 5.0	>5
Microbiology									
Dispersed Bacteria	2		2		2				
Floc Structure	3		3		3				
Flagellates	0		0		0				
Free swimming Ciliates	5		8		3				
Stalked Ciliates	54		57		61				
Rotifers	1		5		15				
Total Indicators Observed	60		70		79				
Maturity Index	2.9		3.0		3.2				

Comments:

- 1) The DOUR remains below 20.
- 2) Turbidity was within the target range.
- 3) MLSS value in basin 2 is highest of the first 4.
- 4) The micro looks good as they are all around a rating of 3.
- 5.) pH continues to look good.

Recommendation

- 1.) Maintain MacroGro 1034 feed rate to 150 - 200 gpd. Maintain MacroGro 3200 feed rate at 235 gpd.

If there is any way we can be of assistance, please don't hesitate to contact us. Thank you.

Robby McKenzie

EBS

Office 985-674-0660

Cell 601-409-3827

Lab 985-674-0900