

**MULTI-FLO WASTE TREATMENT SYSTEM
OPERATIONAL CONTROL CHART**

OPERATION CONDITION	COLOR: AERATION TANK	ODOR	PERCENT SETTLABLE SOLIDS	EFFLUENT QUALITY	FILTER CONDITION	POSSIBLE PROBLEM	CORRECTIVE ACTION
Plant start-up 0-6 weeks	Clear to light brown; White suds	None	< 5%	Clear	No signs of plugging	None: Normal start-up condition	No action required Re-check in 6 months
Plant start-up 0-6 weeks	Clear to light brown; Heavy white suds periodically overflow under lid, mostly during laundry.	None	< 5%	Clear	No signs of plugging; possible grey growth on filter hanger plate	Light loading to plant; insufficient food for organisms. Sudsing due to hydraulic overload during laundry	Reduce frequency of laundry to 2- 3x a day. Refer to Troubleshooting Section IV-A
Normal operation: typically less than 2 years of use since last pumping	Light brown to medium brown	None	5 – 30%	Clear	No signs of plugging	None: typical operation condition	No action required; re-check in 6 months
Normal operation: 2-3 years of use since last pumping	Medium brown to dark brown	None	20 – 50%	Clear	No plugging or slight plugging observed	No immediate problem. May require pumping in the next 6 months	None; re-check in 6 months (routine) Pumping may be recommended if not on service contract (refer to Troubleshooting Section IV, Pumping)
Normal operation: typically 3 – 5 years of use since last pumping	Very dark brown with heavy brown foam. Possible foaming problems (refer to Troubleshooting Section V)	Slight	> 50%	Clear	Slight to moderate plugging. Water level surges when flow enters the plant.	Plant needs to be pumped	1. Pump sludge from tank 2. Replace filters if plugging is observed (i.e., water level remains elevated in surge bow)
Plant in operation for more than 3 months: poor treatment	Grey, minimal turbulence	Slight to moderate septic odor	< 5%	Turbid to bluish grey	Possible plugging within 3 – 4 months	Insufficient aeration	Refer to Troubleshooting Section I: Aerator
Plant in operation for more than 3 months: poor treatment	Bluish grey, similar to dishwater; white soap suds with overflow of white suds under lid. Good turbulence observed.	Slight	< 5%	Turbid, cloudy	Plugging with 2 – 3 months.	Organic overload	Refer to Troubleshooting Section VI – D
Previous plant operation has been normal. Sudden unexpected development of poor treatment and operation	Grey to black	Strong, may be septic or from some type of chemical	0 – 50%	Turbid to bluish grey	Possible plugging, greyish slime observed on filter hanger plate	Discharge of toxic materials into plant	1. Identify source of toxic material 2. Eliminate above source 3. Pump plant and re-start. Contact factory.