

Compliance Versus Optimization Goals

SDWA Compliance Requirements

Based on SDWA Rules Interim Enhanced Surface Water Treatment Rule (IESWTR) and the Long-Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR):

Combined Filter Effluent (CFE) < 0.3 NTU in at least 95% of measurements taken each month.

Maximum level of CFE turbidity: 1 NTU.

Optimization Performance Goals

Settled Water:

< 2 NTU 95% of the time if raw water > 10 NTU

< 1 NTU 95% of the time if raw water ≤ 10 NTU

Backwash:

Initiate backwash when turbidity breakthrough observed

Maximum backwash turbidity < .3 in 15 minute period following backwash

IFE return to < .1 NTU within 15 minutes of backwash

Filtered Water (when filters are on line):

Individual Filter Effluent (IFE) should be < 0.1 NTU for 95% of the readings

IFE < .3 NTU 100% of time