

FLOWMARK DAF TEST

A test was conducted to see what affect FlowMark Electronic DAF Water Treatment would have assisting colloidal solids removal from wastewater. Influent to the DAF was pumped from a batch equalization tank that was continuously mixing. Chemical dose and DAF flow rate remained constant during the test. The FlowMark system was energized at 10:01 AM and two FlowMark treated effluent samples were pulled for comparison to the control sample over the following 63 minutes. Turbidity was reduced from 120 NTU to 43 NTU which represents a 70% solids removal improvement.



Control	FlowMark Treated	FlowMark Treated
10:00 AM	10:18 AM	11:05 AM
Effluent Turbidity =120 NTU	Effluent Turbidity = 58 NTU	Effluent Turbidity = 35 NTU
Flow Rate = 100 GPM	Flow Rate = 100 GPM	Flow Rate = 100 GPM
Cationic Polymer Setting = 3 GPM	Cationic Polymer Setting = 3 GPM	Cationic Polymer Setting = 3 GPM
Anionic Polymer Setting = 1 GPM	Anionic Polymer Setting = 1 GPM	Anionic Polymer Setting = 1 GPM