

DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT DRAFT

(D) Control. Feeders shall be automatically controlled. The automatic control shall be capable of reverting to manual control. The feeders shall be manually started. Automatic chemical dose or residual analyzers shall be used as deemed necessary by the engineer. Where automatic chemical dosing or residual analyzers are used, the engineer shall determine the need for alarms for critical values and recording charts.

(E) Weighing Scales. Weighing scales shall be provided for volumetric dry chemical feeders. The scales shall accurately measure increments of 0.5 percent of load. Weighing scales shall be provided for weighing of carboys which are not calibrated volumetrically.

(F) Feeder System Protection. The entire feeder system shall be protected against freezing and shall be readily accessible for cleaning.

(G) Service Water Supply. Water used in the feeder system shall be protected from contamination. The service water shall be ample in supply and have sufficient pressure to ensure dependable operations. The water supply shall include a means for measurement when preparing specific solution concentrations. Where a booster pump is required, sufficient duplicate equipment to ensure process reliability shall be provided.

(7) Solution Tanks. Means shall be provided to maintain uniform strength of solution consistent with the nature of the chemical solution. Continuous agitation shall be provided to maintain