

# Water Reclamation and Reuse Standards

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- (1) Alarm and multiple biological treatment units capable of producing oxidized wastewater with one unit not in operation;
- (2) Alarm, short-term storage or disposal provisions, and standby replacement equipment;
- (3) Alarm and long-term storage or disposal provisions; or
- (4) Automatically actuated long-term storage or disposal provisions.

***Section 3. Secondary Sedimentation***

All secondary sedimentation unit processes shall be provided with one of the following reliability features:

- (1) Multiple sedimentation units capable of treating the entire flow with one unit not in operation;
- (2) Standby sedimentation unit process; or
- (3) long-term storage or disposal provisions.

***Section 4. Coagulation***

(a) All coagulation unit processes shall be provided with the following features for uninterrupted chemical feed:

- (1) Standby feeders;
- (2) Adequate chemical storage and conveyance facilities;
- (3) Adequate reserve chemical supply; and
- (4) Automatic dosage control.

(b) All coagulation unit processes shall be provided with one of the following reliability features:

- (1) Alarm and multiple coagulation units capable of treating the entire flow with one unit not in operation;
- (2) Alarm, short-term storage or disposal provisions, and standby replacement equipment;
- (3) Alarm and long-term storage or disposal provisions;
- (4) Automatically actuated long-term storage or disposal provisions; or
- (5) Alarm and standby coagulation unit process.

**Section 5. Filtration**

All filtration unit processes shall be provided with one of the following reliability features:

- (1) Alarm and multiple filter units capable of treating the entire flow with one unit not in operation;
- (2) Alarm, short-term storage or disposal provisions and standby replacement equipment;
- (3) Alarm and long-term storage or disposal provisions;
- (4) Automatically actuated long-term storage or disposal provisions; or
- (5) Alarm and standby filtration unit process.

**Section 6. Disinfection**

(a) All disinfection unit processes where chlorine is used as the disinfectant shall be provided with the following features for uninterrupted chlorine feed:

- (1) Standby chlorinator;
- (2) Standby chlorine supply;
- (3) Manifold systems to connect chlorine cylinders;
- (4) Chlorine scales;
- (5) Automatic switchover to full chlorine cylinders; and
- (6) Continuous measuring and recording of chlorine residual.

(b) All disinfection unit processes where chlorine is used as the disinfectant shall be provided with one of the following reliability features:

- (1) Alarm and standby chlorinator;
- (2) Alarm, short-term storage or disposal provisions, and standby replacement equipment;
- (3) Alarm and long-term storage or disposal provisions;
- (4) Automatically actuated long-term storage or disposal provisions; or
- (5) Alarm and multiple point chlorination. Each point of chlorination shall have an independent power source, separate chlorinator, and separate chlorine supply.

(c) All other disinfection unit processes shall be provided with one of the following reliability features: