

NSF/ANSI Standard 350 - 2023 Requirements

8.6.2.6 Storage vessel disinfection for restricted water reuse

Systems containing storage of treated restricted reuse water shall provide adequate disinfection. In the case of chlorine, the average total residual chlorine concentration of all effluent samples shall be ≥ 0.5 mg/L and ≤ 2.5 mg/L. Other disinfection procedures shall provide adequate disinfection to prevent microorganism growth in the treated reuse water storage while avoiding degradation of plumbing components and fixtures exposed to the treated reuse water.

8.6.2.7 Color

The color rating of each of the three diluted composite effluent samples shall be reported. There are no criteria that these values shall meet.

8.6.2.8 Odor

The odor rating of each of the three undiluted composite effluent samples shall be reported. There are no criteria that these values shall meet.

8.6.2.9 Oily film and foam

Oily films and foaming shall not be visually detected in any of the diluted composite effluent samples.

8.6.2.10 Energy consumption

The total energy consumption of the system measured throughout the test shall be reported as kWh/unit of water treated. There are no criteria that this value shall meet.

8.6.4 Air pressure and flow

There are no criteria for aerator pressure or flow. Pressure and flow are measured for the purpose of qualifying alternate aerators following the test.

8.7 Optional log reduction crediting of treatment systems

The manufacturer shall have the option to establish log reduction credits (LRCs). Onsite wastewater or greywater treatment systems that choose to be evaluated for LRCs shall be evaluated in accordance with Annex N-2 (NSF/ANSI 350-2023).

9 Final report

A final report shall be prepared that presents the following:

- all data collected in accordance with the testing and evaluations specified within this standard, including any treatment technology validation testing and treatment technology LRC determination derived under Annex N-2 (NSF/ANSI 350-2023);
- any adjustments made to the alkalinity of the influent wastewater;
- copy of the current edition of the Owner's Manual;
- process description and detailed dimensioned drawings of the tested system; and
- rationale for exclusion of data.

A supplemental report shall be prepared for any system(s) approved under the performance classification in Section 1.4 (NSF/ANSI 350-2023), including process description(s) and dimensional drawing(s).