1.4 Performance classification

For the purpose of this Standard, systems are classified according to the chemical, biological, and physical characteristics of their effluents as determined by the performance testing and evaluations described herein.

Graywater treatment systems within a manufacturer's model series may be classified according to the performance testing and evaluation of the system (8.1) expected to produce the poorest effluent quality within the series based upon design characteristics. A series is limited to treatment capacities below 1,514 L/day (400 gal/day), and treatment capacities between 1,514 L/day (400 gal/day) and 5,678 L/day (1,500 gal/day).

Residential wastewater treatment systems within a manufacturer's model series may be classified according to the performance testing and evaluation of the system (8.2) with the smallest hydraulic capacity within the series. A series is limited to treatment capacities below 1,514 L/day (400 gal/day), and treatment capacities between 1,514 L/day (400 gal/day) and 5,678 L/day (1,500 gal/day).

Graywater and residential wastewater treatment systems having rated treatment capacities less than 378 L/day (100 gal/day) shall be within a manufacturer's model series having rated treated capacities at or above 378 L/day (100 gal/day).

The manufacturer shall submit design drawings and specifications of the entire model series, which shall include critical design parameters for the systems. An engineering review of the design parameters may be completed in lieu of performance testing and evaluation of other systems within the series provided they are determined to be appropriately proportionate to the evaluated system based on sound engineering principles.

Commercial treatment systems that treat combined commercial facility wastewater and commercial facility laundry water of any capacity, and treatment systems that treat graywater from commercial facilities with capacities exceeding 5678 L/day (1500 gal/day) performance tested and evaluated in accordance with 8.3 and Annex A, may be similarly classified within a manufacturer's model series. However, consideration must be given to the conditions of the field evaluation of the system, including the wastewater characteristics, treatment system loading conditions, and other variables affecting performance. These conditions shall become limitations for classifying other systems within a manufacturer's model series.