

**MONTANA DEPARTMENT OF ENVIRONMENTAL
QUALITY**

**NUTRIENT-REDUCING WASTEWATER TREATMENT SYSTEM
DESIGNATION FORM**

DATE: July 30, 2021

APPLICATION SUBMITTAL DATE(S): April 1, 2021 and July 29, 2021

SYSTEM MANUFACTURER: AquaKlear, Inc.

SYSTEM NAME(S): AquaKlear Model AK6S245C

DESIGNATED TREATMENT LEVEL¹: Level 2 (can use 24 mg/L for effluent total nitrogen concentration in nitrate sensitivity analysis)

CONDITIONS:

- A. Due to the start-up time lag associated with all biologically mediated nutrient reduction systems, AquaKlear systems may not be suitable for commercial or intermittent use systems such as campgrounds or RV parks that are designed for seasonal use. The applicability of AquaKlear systems for nutrient reduction purposes at seasonal or intermittent use systems should be evaluated on a case-by-case basis.
- B. Approval is valid for residential and non-residential facilities discharging residential strength wastewater (not high strength wastewater), with no limit on design flows if system design is same as those systems approved, and if all other applicable laws, rules and design circulars are met. It may be necessary to obtain deviations where the system does not comply with current design standards (e.g. no septic tank).

APPROVED BY: M. Waite

NOTES:

1 The definitions of level 1a, level 1b, and level 2 are in ARM 17.30.702 (9), (10) and (11), respectively.