

MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY

NUTRIENT-REDUCING WASTEWATER TREATMENT SYSTEM DESIGNATION FORM

DATE: March 25, 2011 (Updated January 2018)

APPLICATION SUBMITTAL DATE(S): September 2, 2009; November 6, 2009; January 12, 2010; March 2, 2011

SYSTEM MANUFACTURER: Jet, Inc.

SYSTEM NAME(S): Jet J-500CF

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

CONDITIONS:

- A. Due to start-up time lag associated with all biologically mediated nutrient reduction systems, the Jet J-500CF system may not be suitable for commercial-type systems (for example, campgrounds, RV parks, etc) that are designed to be used seasonally. The applicability of these systems for nutrient reduction purposes at seasonal commercial-type systems should be based on a case-by-case analysis.
- B. Approval is only for Jet J-500CF systems that include a separate dosing tank with a pump to discharge the treated effluent to the final disposal location. The dosing tank with pump is necessary to meet the hydraulic barrier requirements in ARM 17.30.718(9).
- C. Approval is valid for residential and non-residential facilities with residential strength wastewater as defined in section 1.2.72 of DEQ 4 – 2013 edition). For systems accepting high strength wastes (as defined in section 1.2.39 of DEQ 4 - 2013 edition) the level 2 designation is valid with proper pre-treatment in compliance with all applicable rules, design standards and as approved by the Department. Approval is valid for residential and non-residential facilities 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.

APPROVED BY: Eric Regensburger

NOTES:

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