

**MONTANA DEPARTMENT OF ENVIRONMENTAL  
QUALITY**

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

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**DATE:** March 25, 2011

**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 LEVEL<sup>1</sup>:** 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 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.

**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.*