

**MONTANA DEPARTMENT OF ENVIRONMENTAL
QUALITY**

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

DATE: April 10, 2012

APPLICATION SUBMITTAL DATE(S): February 2012; March 2012; April 2012

SYSTEM MANUFACTURER: SeptiTech LLC

SYSTEM NAME(S): M400D, M550D, M750D, M1200D, M1500D, M3000D

DESIGNATED TREATMENT LEVEL²: Level 2 (Can use 24 mg/L for effluent nitrate (as N) concentration in nitrate sensitivity analysis)

CONDITIONS:

A. Due to start-up time lag associated with all biologically mediated nutrient reduction systems (for example, recirculating sand filters), SeptiTech systems may not be suitable for commercial-type systems (for example, campgrounds, RV parks, etc) that are designed to be used seasonally. The applicability of SeptiTech systems for nutrient reduction purposes at seasonal commercial-type systems should be based on a case-by-case analysis.

B. Approval is valid for residential and non-residential facilities for residential strength wastewater (not high strength wastewater), with design flows less than 5,000 gpd. Facilities with design flows greater than 5,000 gpd are subject to the permitting rules of ARM 17.36.

C. Approval is only for SeptiTech systems that are pressure dosed to the final discharge location. Systems that siphon or gravity feed to the discharge location are not included in this designation.

D. Approval is only for SeptiTech systems with the denitrifying return loop.

E.

APPROVED BY: Rachel Clark

NOTES:

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