

MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY

NUTRIENT-REDUCING WASTEWATER TREATMENT SYSTEM DESIGNATION FORM

DATE: April 10, 2012 (Updated January 2018)

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 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. 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.

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.*