

MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY

NUTRIENT-REDUCING WASTEWATER TREATMENT SYSTEM DESIGNATION FORM

DATE: August 5, 2004 (Updated January 2018)

APPLICATION SUBMITTAL DATE(S): July 12, 2004

SYSTEM MANUFACTURER: Fluidyne, Inc.

SYSTEM NAME(S): Eliminite.

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

CONDITIONS:

A. Approval extends to Eliminite systems using 1-1/2" natural rock or the medialite media as described in: "Development and Analysis of a New Trickling Filter Media for On-site Wastewater Treatment Systems" by Adrienne J. Phillips., MSU, Nov. 2003.

B. Due to start-up time lag associated with all biologically mediated nutrient reduction systems (for example, recirculating sand filters), Eliminite 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 Eliminite systems for nutrient reduction purposes at seasonal commercial-type systems should be based on a case-by-case analysis.

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

D. 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 as long as 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.