

**MONTANA DEPARTMENT OF ENVIRONMENTAL
QUALITY**

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

DATE: June 18, 2026

APPLICATION SUBMITTAL DATE(S): March 19, 2026

SYSTEM MANUFACTURER: Lombardo Associates, Inc.

SYSTEM NAME(S): Nitrex.

DESIGNATED TREATMENT LEVEL¹: Level 2 (Can use 7.5 mg/L for effluent nitrate (as N) concentration in nitrate sensitivity analysis)

CONDITIONS:

- A. Approval extends to Nitrex systems using a septic tank as required in DEQ-4 Section 5.1, a recirculating media filter, and a Nitrex Denitrification Filter.
- B. Due to start-up time lag associated with all biologically mediated nutrient reduction systems (for example, recirculating sand filters), Nitrex 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 Nitrex systems for nutrient reduction purposes at seasonal commercial-type systems should be based on a case-by-case analysis.
- C. 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: Kevin Krogstad

NOTES:

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