New Hampshire Department of Transportation
Bureau of Materials & Research

Qualified Products List – Qualification Criteria

Section 645 – Erosion Control

K. ITEM 645.42 – TEMPORARY SLOPE STABILIZATION TYPE B (WILDLIFE FRIENDLY)

Specification

Temporary Slope Stabilization Type B (Wildlife Friendly) shall be a temporary, biodegradable "Rolled Erosion Control Product" (RECP) specified for protection of slopes of 3:1 or flatter in areas where wildlife ensnarement is a concern. This material may also be specified for temporary protection of channels expected to experience flow-induced shear of 1.5 lbs/ft² or less. These products shall maintain their functional integrity for a minimum of 12 months and then biodegrade.

Required Submissions

QPL Product Submittal Form
The submitted form must be completely filled out and must be the current version of the form. The QPL Product Submittal Form can be obtained at www.nh.gov/dot/research.

Product Literature
Submit any product literature that is relevant to evaluation of the product

NTPEP Test Results
As part of the evaluation, the Department will obtain and review test results from the AASHTO National Transportation Product Evaluation Program (NTPEP). Visit www.ntpep.org for information about submitting products to this program.

Product Sample
Submit a small product sample. The sample size shall be 1 sf or less and shall be packaged in clear plastic. The sample shall be labeled with the manufacturer's name and the product name.

Qualification Criteria

NTPEP requires that these products be requalified every 3 years. Expiration of NTPEP test results may result in disqualification of the product.

Products will not be qualified for performance levels that exceed those given in the published product literature.

Product Description
The product shall consist of processed biodegradable natural fibers bound together by a single natural fiber netting to form a continuous matrix; or an open weave textile composed of processed biodegradable natural yarns or twines woven into a continuous matrix.

Duration of functionality
The product shall retain the specified level of performance for 12 months after which time it will biodegrade.

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Required Performance

- C Factor
  ≤ 0.15 @ 3:1 slope.

- Minimum Tensile Strength
  Minimum Average Roll Value, Machine Direction
  50 lbs/ft

- Minimum Permissible Shear Stress
  1.50 lbs/ft²

Approved by: _____
Bureau of Highway Design Administrator

The Department continues to evaluate its qualification criteria as well as products that have been qualified against them, and reserves the right to revise the criteria and/or withdraw product qualification at any time for any reason without notice.