

Product Evaluation

RE: Review of BMP-SDNSC Standard Double Net Straw Coconut Mix

PRODUCT

BMP-SDNSC Standard Double Net Straw Coconut Mix is manufactured and Distributed by BMP Supplies INC. located in Calgary, Alberta. Its manufacturing plant is located at Brooks, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

Primary application of any RECB is to prevent soil erosion to prevent suspended solids from entering waterways or storm infrastructure. Applications includes but not limited to , slope stabilization, revegetation, and site restoration for a variety of industries In addition to soil erosion, RECBs also assist with providing nitrogen fertilization to soils, retain soil moisture, secure seeds and hydroseeds (provide protection from rain impact and wildlife grazing to promote germination, if applied prior to application. Website:

www.bmpsupplies.com/

DESCRIPTION

BMP Standard Rolls are of sizes 8' X 112.5' and 16' X 112.6'. Double net straw-coconut temporary erosion control blanket has polypropylene top and bottom nets , each with 0.375 inch square opening. It's matrix is made up of 70% weed free agricultural straw and 30% coir fiber.

POTENTIAL USAGE

Typical applications are for highway ditches, and embankments for slopes up to 2H: 1V.

STANDARDS

ASTM D 7207 - Determination of Unvegetated RECP Ability to Protect Soil from Hydraulically-Induced Shear Stresses Under Bench-Scale Conditions

ASTM D 7322 - Determination of Temporary Degradable RECP Performance in Encouraging Seed Germination and Plant Growth

ASTM D 7101 - Determination of Unvegetated RECP Ability to Protect Soil From Rain Splash and Associated Runoff Under Bench-Scale Conditions

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has tried a large variety of rolled erosion control products in the past.

APPLICABLE STANDARDS

Alberta Transportation standard for Rolled Erosion Control Products is documented in Alberta Transportation Products List, and Erosion, and Sediment Control Manual BMP #13.

RECOMMENDATIONS

List BMP-SDNSC as a Potential Product under Alberta Transportation Product List, Erosion Control Systems, Rolled Erosion Control Blankets – Temporary RECPs – Type B, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat:

TRIAL PROJECTS

Rishi Adhikari

cc New Products Evaluation Committee – Roger Skirrow,