Product Evaluation

RE: Review of GPEC-SS (Regular and Natural Net)

PRODUCT

GPEC-SS (Regular) and GPEC-SS-NN (Natural Net) are temporary rolled erosion control products manufactured by L & M Supply Company at Willacoochie, GA and it is distributed in Alberta by Green Patch Environmental Consulting Ltd, Calgary. Product web link: http://www.gpec.ca/

VENDOR CLAIMS AND INFORMATION

CLAIMS:

GPEC-SS (Regular) and GPEC-SS-NN (Natural Net), temporary rolled erosion control blankets, are designed to have a functional longevity of up to 12 months. They are recommended for use on the slopes up to 3:1 – 2:1 and in low flow velocity channel.

DESCRIPTION:

GPEC-SS (Regular) and GPEC-SS-NN (Natural Net) consist of a 100% biodegradable straw fibers matrix stitched to double net. They are available with UV stabilized photodegradable, synthetic netting (Regular) or biodegradable jute netting (All Natural). GPEC-SS (Regular) and GPEC-SS-NN (Natural Net) have functional longevity of up to 12 months.

POTENTIAL USAGE:

Slopes 2H: 1V or flatter and ditches with low water velocity

STANDARDS:

ASTM D6818 Tensile Strength and elongation, ASTM D6475 Mass / Area, ASTM D6525 Thickness ASTM D6567 Light Penetration, ASTM D 1117 Water Absorption, ASTM D7322 Vegetation Establishment, ASTM D7207 Shear Resistance Test, ASTM D7101 Rainfall and Rain Splash Test

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation (AT) has no experience with these specific products. AT has extensive experience with similar products.

APPLICATION STANDARDS:

Alberta Transportation standard for Rolled Erosion Control Products (RECP) is documented in AT Products List and Erosion and Sediment Control Manual BMP#13.

RECOMMENDATIONS:

GPEC-SS (Regular) and GPEC-SS-NN (Natural Net) be listed as Potential Products under Alberta Transportation Products List, Erosion and Sediment Control Systems – Temporary Rolled Erosion Control Products – Type B – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

TRIAL PROJECTS

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