

Product Evaluation

RE: Review of BCG temporary RECP

PRODUCT

BCG temporary RECP is a temporary rolled erosion control product manufactured and distributed by BioComposites Group, Drayton Valley, Alberta. Product web link: www.biocompositegroups.com

VENDOR CLAIMS AND INFORMATION

CLAIMS:

BCG temporary RECP provides immediate erosion protection and vegetation establishment assistance, and then degrades once the vegetation's root and stem systems are mature enough to stabilize the soil. BCG temporary RECP's extended-term bio degradable and photodegradable blanket has a functional longevity of 12 to 24 months. This means that the scrim sheet will be broken down by the ultraviolet rays in sunlight.

DESCRIPTION:

BCG temporary RECP incorporates a photodegradable and permeable spun-bond polypropylene scrim sheet along with the long hemp fibers and other fibers. The hemp fibers and other natural fibers are biodegradable.

POTENTIAL USAGE:

Slopes 1H: 1V or flatter

STANDARDS:

ASTM 7101 Determination of Unvegetated Rolled Erosion Control Product (RECP) Ability to Protect Soil from Rain Splash and Associated Runoff under Bench-Scale Conditions

ASTM 6460 RECP Performance in Protecting Earthen Channels from storm-Water Induced Erosions

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation (AT) has no experience with this type of Rolled erosion Control 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.

Caveat: BCG temporary RECP shall not be used in protecting Earthen Channels from Storm-Water Induced Erosions.

RECOMMENDATIONS:

BCG temporary RECP be listed as Trial Products under Alberta Transportation Products List, Erosion and Sediment Control Systems – Temporary Rolled Erosion Control Products – Type A – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

TRIAL PROJECTS

The Clean Energy Technology Centre located in Drayton Valley

Rishi Adhikari

cc Innovation Evaluation Group – Roger Skirrow