

Product Evaluation

RE: Review of EarthGuard Fiber Matrix

PRODUCT

EarthGuard is manufactured by Terra Novo and distributed in Alberta by TerraStar Solutions Inc, West Vancouver, B.C.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

EarthGuard is a soil stabilizing emulsion formulated to reduce erosion and sediment runoff. It is non-toxic and 100% biodegradable.

DESCRIPTION:

Combining EarthGuard and wood/cellular fiber, EarthGuard Fiber Matrix is a one-step spray application. It is applied as an aqueous slurry by itself or in combination with seed. EarthGuard Fiber Matrix provides dust abatement, erosion control, raindrop impact absorption and soil stabilization until vegetation establishment.

POTENTIAL USAGE:

Erosion control.

STUDIES:

Studies: Chronic Toxicity of Earthguard to the Freshwater Cladoceran and Freshwater Fathead Minnows; Results from a Study of Earthguard Fiber Matrix for Soil Stabilization; An Evaluation of the Acute Toxicity of Earthguard Fiber Matrix Leachate to Daphnia Magna and Rainbow Trout.

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation has no experience with this product.

APPLICATION STANDARDS:

Alberta Transportation standard for this product is listed in the Erosion and Sediment Control Manual BMP24b and BMP36.

RECOMMENDATIONS:

EarthGuard lists as Proven Product under Alberta Transportation Products List, Erosion and Sediment Control Systems – Hydraulic Erosion Control Product (HECP) – Proprietary, based on the information provided.

TRIAL PROJECTS

Stoney Trail SE

Fred Cheng

cc New Product Evaluation Standing Committee – Roger Skirrow