

## Product Evaluation

### RE: Review of ScourShield (Anchored Reinforced Vegetation System)

#### **PRODUCT**

ScourShield is manufactured by Tenax Inc. and distributed in Alberta by Cascade Geotechnical Inc.

#### **VENDOR CLAIMS AND INFORMATION**

##### **CLAIMS:**

ScourShield is a 3-dimensional double ribbed very heavy duty Turf Reinforcement Matting (TRM) with high strength and erosion protection capability. ScourShield is classed as an "Anchored Reinforced Vegetation System".

##### **DESCRIPTION:**

ScourShield provides much higher protection against shear stresses and velocities than other TRMs. ScourShield can replace other hard armour products such as rock riprap and articulated concrete blocks in shoreline turbulent flow and erosive wave applications. It has a specific gravity heavier than water and will not float in high water applications, regardless of the anchoring method.

##### **POTENTIAL USAGE:**

Culvert and sediment basin outlet and inlet protection, shoreline protection, ditch channel lining and protection, and stormwater outfall or outlet protection.

##### **STANDARDS:**

Currently undergoing testing at TRI/Environmental Inc.

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE:**

Alberta Transportation does not have any experience with this product.

##### **APPLICATION STANDARDS:**

Alberta Transportation does not have a performance specification for this product.

##### **RECOMMENDATIONS:**

ScourShield (Anchored Reinforced Vegetation System) be listed as a Proven Product under Alberta Transportation Product List, Erosion Control Systems, Miscellaneous Erosion Control – Proprietary, based on the information provided.

#### **TRIAL PROJECTS**

Campsite Road – H16A, Spruce Grove

Fred Cheng

cc New Product Evaluation Standing Committee – Roger Skirrow