



TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

**Large-Scale Slope Erosion Testing
(ASTM D 6459)**

of

**HydraCX2
Cotton Fiber Hydra Matrix
over
Sandy Loam**
(Target Coverage Rate = 4000 lb/acre)

April, 2007

Submitted to:

North American Green, Inc.
14649 Highway 41 North
Evansville, IN 47725

Attn: Mr. Gabe Weaver, P.E.

Submitted by:

TRI/Environmental, Inc.
9063 Bee Caves Road
Austin, TX 78733

A handwritten signature in black ink that reads 'C. Joel Sprague'. The signature is written in a cursive style with a large, prominent 'C' and 'S'.

C. Joel Sprague
Project Manager



April 3, 2007

Mr. Gabe Weaver, P.E.

North American Green, Inc.
14649 Highway 41 North
Evansville, IN 47725

E-mail: gweaver@nagreen.com

Subject: Slope Testing of HydraCX2 - Cotton Fiber Hydra Matrix over Sandy Loam

Dear Mr. Weaver:

This letter report presents the results for large-scale slope erosion tests performed on HydraCX2 - Cotton Fiber Hydra Matrix over sandy loam. The primary target application rate was 4000 lb/acre. Included are data developed for target rainfall intensities from 2 to 6 in/hr (5 to 15 cm/hr). All testing work was performed in general accordance with the ASTM D 6459, *Standard Test Method for Determination of Rolled Erosion Control Product (RECP) Performance in Protecting Hillslopes from Rainfall-Induced Erosion*. Generated results were used to develop the following general cover factor (C-Factor) for the tested material:

$$\mathbf{C-Factor_{HydraCX2@4000target} = 0.004}$$

TRI is pleased to present this final report. The data presented herein appears to be consistent with commonly reported values. Please feel free to call if we can answer any questions or provide any additional information.

Sincerely,

A handwritten signature in black ink that reads 'C. Joel Sprague'. The signature is written in a cursive, flowing style with a prominent initial 'C'.

C. Joel Sprague, P.E.
Senior Engineer
Geosynthetics Services Division

Cc: Sam Allen, Jarrett Nelson - TRI