



Chevron Exploration and Production: Spring/Summer Seeding



July 17, 2012



July 17, 2012



August 9, 2012



VEGETATED SLOPE AFTER A THREE WEEK GROWING PERIOD IN CARMICHAELS, PENNSYLVANIA.

On July 17, 2012 Penn Line Service sprayed EarthGuard on Chevron's Yareck Pad in Carmichaels, Pennsylvania. Another gas production company had inquired about EarthGuard and was present during the installation.

"We are currently looking for an alternative to rolled erosion control matting" said the Senior Environmental Coordinator with the gas company.

EarthGuard was sprayed at a rate of 10 gallons (37.9 liters) and 3,000 lbs (3360 kg/ha) of 70/30 wood/paper mulch per acre.

In less than a month the slopes were green and stable. *"I have been in this business for a long time and I can always count on EarthGuard to do its job."*-Sheldon McCarty with Penn Line Service.

The Pennsylvania Department of Environmental Protection released the Final 2010 Erosion and Sediment Pollution Control Program Manual. It recognizes a "Polymer Stabilized Fiber Matrix" (generic name for EarthGuard) as an effective erosion control measure in Chapter 11 which can be used as an alternate to rolled erosion control blankets, bonded fiber matrices, and flexible growth mediums.



Highly **Effective.** Cost **Efficient.**

Terra Novo Manufactures

Erosion Control:

- EarthGuard®
- EarthGuard Fiber Matrix
- EarthGuard **EDGE™**

Reclamation:

- EarthGuard **FUSION™**
- EarthGuard **ORGANIX™**
- EarthGuard **ELIXIR™**

Agricultural Soil Stabilization and Conditioning

- SoilMAX
- Agriflo

Dust Suppression

- DustCap
- DustGuard

Water Clarification

- AquaGuard

How EarthGuard Works:

EarthGuard Fiber Matrix is a patented technology, which combines EarthGuard and fiber to form a matrix that provides extended erosion control protection in severe situations. This effective and cost-efficient hydraulically applied formulation has set a new standard for sprayed-on erosion control BMP's.



EarthGuard utilizes an extremely high molecular weight blend of chemistry, which results in its superior charge density and soil stabilizing ability. It is designed to work directly with soil to maintain its stability by both preserving existing soil structure and flocculating fine sediment being dislodged by stormwater or wind. EarthGuard is ideal for site-winterization (seed not required), where bare soil, slopes and stockpiles must be protected during the raining season. In re-



vegetation and dormant applications, the superior soil stabilizing ability of EarthGuard holds, seeds, soil, fiber and amendments in place until sufficient long-term growth/erosion control protection has occurred.

EarthGuard is available in two forms. In a bale form, EarthGuard is packaged in combination with 100% wood fiber or, in liquid form, EarthGuard is packaged in a 5 gallon container whereby it can be applied by itself with water or added to standard hydromulch prior to installation.

Terra Novo is dedicated to helping the storm water and erosion control industries comply with strict Federal Clean Water Regulations. Our engineers and chemists maintain a hands-on approach to solving site-specific problems by providing cost-effective best management practice solutions. All of our products are easy to use, highly effective, extremely affordable and environmentally friendly.



For technical services or to locate your nearest EarthGuard® dealer:

call 1-888-843-1029.

Visit Terra Novo online at:

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Terra Novo is located at:

2930 Patton Way, Bakersfield, CA 93308



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