

# EarthGuard: A Rain Event Action BMP

## Irvine, CA



**Treated Area** 



**Untreated Area** 



Results:

Treated

Untreated



#### Challenge:

On Dec. 2, 2010, one of the largest residential builders in Southern California used EarthGuard as a Rain Event Action Plan (REAP) to treat a few pads on an active construction site in Irvine, CA. At the site, there were other pads that had yet to be treated due to time constraints.

The new California General Construction Permit requires a developer stabilize the site during inactivity and to maintain effluent stormwater turbidity below a numeric action limit of 250 NTUs and pH 6.5-8.5.

The developer chose an application rate of 4 gallons of EarthGuard per acre.

#### **Results:**

On Dec. 20-21, the site experienced over 7" rain within the 2 day period. During the rain event, stormwater was observed flowing at a 2" depth across the EarthGuard treated pads. Effluent stormwater samples were taken to measure turbidity and pH as well.

Samplying demonstrated the following:

- EarthGuard Treated Area: Turbidity 13 NTUs >>> pH 6.8
- Untreated Areas: Turbidity 660 NTUs >>> pH 8.0



### **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
- DustControl DG

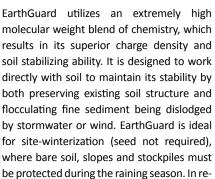
#### Water Clarification

AquaGuard

# FIBER MATRIX

#### 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.





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:

### earthguard.com

Terra Novo is located at: 2930 Patton Way, Bakersfield, CA 93308



