



Case Study: California Department of Transportation Rim of the World Fire Rehabilitation Project Hwy 18 and 138

After the devastating Southern California wild fires of Oct 2003, the California Department of Transportation (Caltrans) was faced with trying to quickly stabilize over 30 miles of highway right-of-way along Hwys 18 and 138 which were left barren after the fire. With the winter season approaching November, it was vitally important for Caltrans to immediately stabilize these areas and then keep these two important transportation corridors opened throughout the winter. Located on scenic steep mountain inclines, these highways provided the only access to various communities and ski resorts. Caltrans could not afford any highway closures.

In December 2003, Terra Novo Engineers met with Caltrans' engineers to discuss the possible use of **EarthGuard**[®]. Steep terrain, installation time, safety and the lack of shoulder space called for a product that could be applied at great distances with minimal equipment, labor, and lane closures.

With their past success using **EarthGuard**, Caltrans felt confident that the product could meet their needs. In only a few weeks, over 30 miles of roadway right-of-way where treated.

On Christmas Day, the area experienced over 8" of rain in a two day period. Cathy Jochai, Caltrans District 8 Landscape Architect was extremely pleased with **EarthGuard's** performance. Not only was there no road closures, but Caltrans' personal noticed that there was no soot movement in the stormwater running off the treated areas. "The water was clean."





EarthGuard's unique chemistry allows it to work on the microscopic level with soil and ash to maintain its stability by both preserving existing soil structure and flocculating sediment and ash being dislodged by storm water or wind. **EarthGuard** remains active throughout its service life and will move to protect areas that are difficult to treat during initial installation due to the undulations in the soil terrain. **EarthGuard** can be applied with two-man crews, who each can typically treat 4-5 ac per day.

For further information, please visit the following web sites:

Short 10 min. Video: <http://www.earthguard.com/video.php>

Product Brochure: <http://www.earthguard.com/pdf/SalesBrochure.pdf>

Web site: www.EarthGuard.com