



REAP

Rain Event Action Plan

Simple, Effective & Affordable

EarthGuard® can help satisfy new construction permit requirements by keeping stormwater clean.

EarthGuard® is your solution to your Rain Event Action Plan (REAP) BMP and site winterization. Simply apply EarthGuard® mixed with water to exposed soils or ash to control erosion, dust and turbidity.

It's active immediately, even during a rain event.



Controls Turbidity, Heavy Metals, and Other Harmful Constituents. Active Immediately.

The EarthGuard® Advantage:

- No specialized equipment needed – apply with a water truck, hydroseeder or any spray rig.
- Use to treat active construction areas.
- Does not require an active treatment plan or monitoring.
- Safe for equipment – easy clean out.
- Actively controls turbidity, heavy metals, and other harmful constituents.
- Inexpensive application.
- Environmentally friendly.
- Can be applied over existing vegetation.
- Low application rates: 3-10 gal per acre.
- Packaged in 5 gallon pails for easy handling and storage.



Water from untreated soil on the left, water from soil treated with EarthGuard® shown on the right.

EarthGuard® Meets CASQA specifications for:

- Soil Binder EC-5
- Stockpile Management WM-3
- Wind Erosion Control WE-1





SWPPP Insert for:
Temporary Soil Stabilization
A Rain Event Action Plan (REAP) BMP
or Pad & Flat Area Winterization BMP

Definition: EarthGuard® is a temporary erosion control system that stabilizes soil by maintaining existing soil structure and by settling out any fine sediment or ash that may get dislodged by stormwater or wind.

The use of stabilizers for soil stabilization/erosion control does not require an Active Treatment Plan (ATS) according to the California Regional Water Quality Control Board.

Temporary Soil Stabilization
A Rain Event Action Plan
(REAP) BMP:

Function: EarthGuard® is used to immediately stabilize active and inactive construction sites, pads, roads, slopes and stockpiles for impending rain events.

Slope	EarthGuard®	Water (gal/ac)*
≤ 4:1	3 gal/ac	As required to properly cover 1 acre of area: <ul style="list-style-type: none"> • Spray Rig ≥ 1500 gal/ac • Water Truck ≥ 2000 gal/ac
3:1	4 gal/ac	
2:1	5 gal/ac	
1.5:1	6 gal/ac	
1:1	8 gal/ac	
Stockpiles	10 gal/ac	

Pad & Flat Area
Winterization BMP:

Function: EarthGuard® is used to provide extended erosion control protection on inactive pads, flat areas and roadway cuts.

Time	EarthGuard®	Water (gal/ac)*
1-2 months	3-5 gal/ac	As required to properly cover 1 acre of area: <ul style="list-style-type: none"> • Spray Rig ≥ 1500 gal/ac • Water Truck ≥ 2000 gal/ac
2-3 months	5-8 gal/ac	
3-6 months	8-10 gal/ac	
6-12 months	10-15 gal/ac	

*Minimum dilution 1/800. Application Rates dependent on anticipated precipitation throughout duration of required protection.

Installation Instructions:

Soil preparation is not required and EarthGuard® can be applied over existing vegetation. Simply add EarthGuard® to a water truck, hydroseeder or spray rig and apply to disturbed soil for immediate erosion protection. Make multiple applications if necessary to avoid over saturation and the creation of run-off. EarthGuard® is active immediately and will not harm equipment.

EarthGuard® is specifically designed to work with all soil types to reduce soil movement and turbidity, helping maintain compliance with environmental regulations.

For Hydraulic Mulch – EC 3 and Hydroseeding – EC 4 use EarthGuard® Fiber Matrix™

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



ENVIRONMENTAL PRODUCTS, LLC™

Call: **1-800-800-7671** • Email: **Sales@LSCenv.com**

Visit LSC online at: **www.LSCenv.com**

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