

Situational Erosion & Sediment Control BMP's, Page 1

How to read this chart

Topics are arranged vertically

Most BMPs can be used with other BMPs, the intent is to give choices, though an "AND" indicates that both choices should be used.

Minimal: BMPs that meet the minimal requirements of state permits appear here.

Basic Perimeter Control

Sediment Control Log or silt fence at base of slope

AND

Buffer strip of undisturbed vegetation, if possible

AND

Speedily working the area towards temporary or permanent stabilization.

Slopes to Surface Water

Use Basic Perimeter Control, minimum measures

AND

Floatation Silt Curtain

Dust Control

Avoid plumes of dust drifting into traffic

Apply water to dust producing activities

Construction Exits

Slash Mulch

Crushed Rock

Stock piles

Use Basic Perimeter Control, minimum measures within 10 feet of stock pile.

OR

Use a berm (stabilized topsoil or exposed aggregate) around the stock pile.

AND

Keep stock pile out of swales and other areas of actively or potentially flowing water.

Routine: State permits also require that nuisance conditions do not occur. BMPs that are routinely used to prevent nuisance conditions are found here.

Sediment Control Log, Type wood fiber or compost, installed as additional slope breaks.

Topsoil Berm to divert or trap runoff

Use Basic Perimeter Control, routine measures

Second row of Floatation Silt Curtain

Bail Turbidity Barrier

Stabilize exposed soils

Clean pavement before airblasting joints

Use plastic or geotile plastic to stabilize windswept bridge abutments

Sweeping / Cleaning Streets daily or as necessary

Add another row of sediment control logs or silt fence around minimal control measures.

Challenging Conditions: Sometimes persistent or potentially severe problems require additional BMPs that are found at this level.

Temporary Slope Drain

Filter Berm, Type Rock Weeper

Silt Fence, Type Super Duty

Use Basic Perimeter Control, extraordinary measures

Use Sheet pile Barrier

Do not work during high winds

Use MgCl or CaCl to suppress dust.

Timber pads

Rumble Strips

Wash-off Station

Quickly stabilize stockpile surface,

Silt Fence, Type Super Duty