

Best Management Practice WM-3 – Stockpile Management

Stockpiles of soil, portland cement concrete (PCC), asphalt concrete (AC), cold-mix asphalt, and rubble are potential storm water pollutants if not properly managed. Recognizing that every construction project has these materials and wastes on site, Best Management Practices (BMPs) for stockpile management were developed and incorporated into the 1997 *Caltrans Storm Water Quality Handbooks* as part of CD-10, Material Delivery and Storage.

With the publication of the *Construction Site BMPs Manual* in November 2000, WM-3, Stockpile Management, was issued as a separate BMP with added details for managing stockpiles by type, status and season. This bulletin summarizes the requirements of WM-3.

General Requirements

The following are requirements that apply to all stockpiles regardless of season or material.

- Locate stockpiles away from drainage courses, drain inlets or concentrated flows of storm water.
- For wind erosion control, apply water or other dust palliative to stockpiles, as specified in WE-1, Wind Erosion Control. Smaller stockpiles may be covered as an alternative.
- Place bagged materials on pallets under cover.

Soil Stockpiles

During the project rainy season, cover non-active soil stockpiles **and** contain them within temporary perimeter sediment barriers, such as berms, dikes, silt fences, or sandbag barriers. A soil stabilization measure may be used in lieu of cover.

During the non-rainy season prior to the onset of rain, either cover non-active stockpiles **or** protect them with temporary perimeter sediment barriers.

Year-round, active soil stockpiles are to be protected with temporary linear sediment barriers prior to the onset of rain.

For contaminated soil stockpiles, implement WM-7, Contaminated Soil Management.

Paving Material/Waste Stockpiles

Stockpiles of PCC, AC, aggregate base, aggregate subbase, or rubble are to be managed as follows:

- During the non-rainy season, either cover non-active stockpiles or protect them with temporary perimeter sediment barriers prior to rain.
- During the rainy season, at all times, either cover non-active stockpiles or protect them with temporary perimeter sediment barriers.
- Year-round, protect active stockpiles with temporary linear sediment barriers prior to the onset of rain.

Asphalt Cold-Mix Stockpiles

During the non-rainy season, place non-active stockpiles of cold-mix on plastic or a comparable material and cover the stockpile prior to the onset of rain.

During the rainy season, place cold-mix stockpiles on plastic and cover at all times.

Year-round, active cold-mix stockpiles are to be placed on plastic and covered prior to rain.

Inspection and Maintenance



This stockpile should be located away from the drainage inlet.



During the non-rainy season, non-active soil stockpiles must be covered or protected with sediment barriers prior to rain.



Cold-mix stockpiles are to be placed on and covered with plastic or a comparable material

Inspect stockpiles as part of the routine storm water inspection. Require the contractor to repair or replace perimeter controls and covers to ensure proper function.

