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S425 BMPs for Soil Erosion and Sediment Control at Industrial Sites

Description of Pollutant Sources: Industrial activities on soil areas; exposed and disturbed soils; steep grading; etc. can be sources of sediments that can contaminate stormwater runoff.

Pollutant Control Approach: Limit the exposure of erodible soil, stabilize, or cover erodible soil where necessary to prevent erosion, and/or provide treatment for stormwater contaminated with TSS caused by eroded soil.

Applicable BMPs:

- Limit the exposure of erodible soil.
- Stabilize entrances/exits to prevent track-out. See [BMP C105: Stabilized Construction Access](#).
- Stabilize or cover erodible soil to prevent erosion. Cover practice options include:
 - Use vegetative cover such as grass, trees, shrubs, on erodible soil areas.
 - Cover exposed areas with mats such as clear plastic, jute, synthetic fiber. See [BMP C122: Nets and Blankets](#) and [BMP C123: Plastic Covering](#).
 - Preserve natural vegetation including grass, trees, shrubs, and vines when possible. See [BMP C101: Preserving Natural Vegetation](#).
- If stabilizing or covering the erodible soil is not possible, then structural controls must be implemented. Structural practice options include:
 - Vegetated swales
 - [BMP C200: Interceptor Dike and Swale](#)
 - [BMP C233: Silt Fence](#)
 - [BMP C207: Check Dams](#)
 - [BMP C232: Gravel Filter Berm](#)
 - Sedimentation basin
 - Proper grading
 - Paving

For design information refer to [II-3 Construction Stormwater BMPs](#).

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