



CATEGORY: Erosion Control

USE GROUP: Temporary or Permanent

HYDROSEEDING

ISSUED: 10-1-2008

DEFINITION AND PURPOSE:

Hydroseeding typically consists of applying a mixture of seed, wood fiber, fertilizer, and stabilizing emulsion with hydro-mulch equipment, which temporarily protects exposed soils from erosion by water and wind.

APPROPRIATE APPLICATIONS:

Hydroseeding is applied on disturbed soil areas requiring temporary protection until permanent vegetation is established or disturbed soil areas that must be re-disturbed following an extended period of inactivity.

CONDITIONS FOR EFFECTIVE USE:

Type of Flow: Sheet flow only.

Hydroseeding may be used alone only when there is sufficient time in the season to ensure adequate vegetation establishment and erosion control. Otherwise, hydroseeding must be used in conjunction with a soil binder or mulching.

WHEN BMP IS TO BE INSTALLED:

Immediately after completion of a phase of grading.

STANDARDS AND SPECIFICATIONS:

To select appropriate hydroseeding mixtures, an evaluation of site conditions shall be performed with respect to: soil conditions, site topography, season and climate, vegetation types, maintenance requirements, sensitive adjacent areas, water availability, and plans for permanent vegetation. Hydroseeding can be accomplished using a multiple-step or one-step process. The multiple-step process ensures maximum direct contact of the seeds to soil. When the one-step process is used to apply the mixture of seed, fiber, etc., the seed rate shall be increased to compensate for all seeds not having direct contact with the soil. Follow-up applications shall be made as needed to cover weak spots.

OPERATION AND MAINTENANCE PROCEDURES:

All seeded areas shall be inspected for failures and re-seeded, fertilized, and mulched within the planting season, using not less than half the original application rates. After any rainfall event, the Permittee is responsible for maintaining all slopes to prevent erosion.

SITE CONDITIONS FOR REMOVAL:

Typically left in place to degrade naturally.

TYPICAL DETAILS:

Not Applicable



A hydroseeding operation in action.