

FLOW THROUGH TREATMENT

Flow-through treatment BMPs remove pollutants from stormwater prior to discharge and retain little if any stormwater within the BMP. These BMPs provide a wide range of effectiveness, from removal of trash to removal of dissolved nutrients. BMPs such as the baffled vault, sediment trap, hydrodynamic separator, and some drop inlet inserts are best for removing coarse particles, debris, and oil and grease (when used with oil-adsorbent materials) prior to discharge to a second BMP such as an infiltration system. Use of these BMPs will extend the maintenance cycle for the second BMP.

Media filtration BMPs, including some which are designed as drain inlet inserts, are designed to treat water to discharge standards. Because of the typically high cost of installation and maintenance of media filtration BMPs, these types of BMPs are used when there is an inability to infiltrate water on-site.