

ALDEN

Stormwater BMP Compliance Testing and Evaluation

Efficient treatment of stormwater runoff is strongly dependent upon the performance of separator and filtration treatment devices. Alden's state-of-the-art Stormwater Testing Facility employs both full-scale testing and Computational Fluid Dynamic (CFD) models to optimize the design and increase sediment removal efficiency of manufacturers' Best Management Practice (BMP) technologies.

ALDEN's Stormwater Testing Facility Offers:

- Full-scale (1:1) testing
- High flow capacities (~20 cfs)
- Independent compliance testing
- Sediment removal efficiency testing
- Constituent removal (debris, hydrocarbons, etc.)
- Design optimization
- Real-time video documentation
- Computerized data acquisition system
- 45,000 gallon supply sump
- Heated facilities for cold-weather testing
- High-capacity filtration system (< 1micron)
- In-house SSC sample analysis
- Partner laboratory analysis of TSS, PSD, constituents, etc.

Alden's stormwater testing provides the client with local and state compliance reporting and data analysis. BMP manufacturers can optimize the devices for greater sediment removal and flow capacities by utilizing Alden's expertise in CFD and physical testing of system losses, sediment bed shear forces, and localized system velocities. Laboratory testing data provides clear and precise device-comparable information.

