



A Profile in Using Green Remediation Strategies

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Old Base Landfill
Port Deposit, MD

Federal Facility

Cleanup Objectives: Contain an unlined landfill containing nearly 38,000 cubic yards of soil contaminated by waste such as pesticides and asbestos debris

Green Remediation Strategy: Employed BMPs for controlling stormwater runoff and sediment erosion during construction of a landfill cover

- Installed a woven geotextile silt fence downgradient of construction to filter sediment from surface runoff
- Added a "super-silt fence" (woven geotextile with chain-link fence backing) on steep grades surrounding the landfill
- Constructed berms and surface channels to divert stormwater to sediment ponds
- Emplaced erosion control blankets to stabilize slopes and channels until vegetation was established
- Hydroseeded the landfill cover with native seed to foster rapid plant growth

Results:

- Effectively captured sediment at super-silt fence despite heavy rain of Hurricane Floyd
- Avoided damage of infrastructure used in site redevelopment
- Reestablished 100% vegetative cover within one year

Property End Use: Redevelopment for office and light industrial space

Point of Contact: [Kevin Pavlik](#), U.S. Army Corps of Engineers



Use of low impact development (LID) principles helped reduce and control stormwater runoff in manners replicating the area's natural hydraulic conditions.

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**United States Environmental Protection Agency
Office of Solid Waste and Emergency Response (5202P)**

For more information:
www.cluin.org/greenremediation
Carlos Pachon (pachon.carlos@epa.gov)