

# Green Remediation Focus

Minimizing the environmental footprint of site cleanup

## A Profile in Using Green Remediation Strategies

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**Old Base Landfill**  
Port Deposit, MD

*Federal Facility*

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**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

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

#### **Old Base Landfill**

Update: June 2008

[http://www.cluin.org/greenremediation/profiles/subtab\\_d15.cfm](http://www.cluin.org/greenremediation/profiles/subtab_d15.cfm)



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

**For more information:**  
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