

HALLATON

ENVIRONMENTAL LININGS

Project Profile: Pearce Creek Dredge Disposal Facility

Owner: US Army Corp of Engineers

Size: 260 acres

Location: Cecil County, MD

Design: 3:1 Slopes

16 oz Protective Geotextile

40 mil HDPE Geomembrane

16 oz Protective Geotextile

Constraints:

- Expedited Construction Schedule
- Local and National Regulations
- Stringent Safety Concerns
- Ground Water Impacts
- Neighboring Residents



Background:

The Pearce Creek placement site, owned and operated by the Corps of Engineers, received dredged material from the C&D Canal's approach channels at various times between 1937 and 1993. The Corps plans to reactivate the site for the placement of dredged material from the federal navigation channel. However, in 2013 the US Geological Survey found that a missing or thin layer of clay beneath the site contributed to the entry of degraded water into the underlying aquifers. Migration of this groundwater, which moves very slowly, has gradually impacted water quality in some residential wells.

Solution:

When the Pearce Creek site is reactivated, substantial safeguards will be in place to protect and monitor surface water and groundwater quality. The geosynthetic liner will prevent any further impacts from dredged material by preventing it from entering the groundwater system.

Hallaton Environmental Linings was contracted by the US Army Corps of Engineers to do the installation of a geosynthetic liner covering the entire Pearce Creek dredged material placement site. The project is currently on schedule. Work has already been completed on roughly 80 percent of the 260-acre site, located in Cecil County near the Elk River.

For more information visit the Pearce Creek website at
<http://www.pearcecreekoutreach.com/ImplementationCommittee.html>



Contact Hallaton at:

Hallaton Inc / 1206 Sparks Rd / Sparks / MD 21152 / USA
410-583-7700 / www.hallaton.com



