

ENVIRONMENTAL REMEDIATION



Vegetated Environmental Solutions

CROSBY, MISSISSIPPI

SPRING 2011

THE PROBLEM

Abandoned creosote plant that stopped production in the 1940's left a legacy of creosote leaching into an adjacent river.

A two step process of clean up and remediation of the streambank restored the natural bank and eliminated any leaching potential. Heavy, flashy storms battered the sandy banks eroding, in some areas, over 15 feet of streambank threatening a newly installed well head monitor.



ENVIROLOK ADVANTAGE

Envirolok's patented system stabilizes soils in high turbidity streams, rivers and lakes.

Dating to the turn of the century this creosote plant was used to make telephone poles and railroad ties. An extensive system of monitoring wells, removal of contaminated soils, and the use of a bentonite clay liner to remove oil from water and to seal any potential of petrochemical leaching was utilized in the cleanup of this site.

Envirolok's cinch and twine strapping was used in addition to the geogrid construction. The strapping gives additional vertical and horizontal support to the individual units in cases where strong current or wave action may be present.

This addition increases the holding strength of the system in extreme cases. No system can compare to this Envirolok advantage!



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ENVIROLOK RESULTS

A successful revegetation to the streambank and controlled erosion, Envirolok was utilized to face the highly eroded stream and protect monitoring wells that were part of the cleanup effort.

Envirolok also restored the biological function of the streambank, enhancing the diversity of plants and providing new habitat for riparian species.

Sunmark Environmental provided the certified installers to work with local contractors and was able to complete this 700' job in 4 days.



PROJECT PARTNERS

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