



# Solutions

## PaveMend™

*Background:* Ash represents one of the major waste streams generated by municipalities, utilities, and industries. The previous solution for disposal of this waste stream is to transport this ash to a landfill where it remains unused. The challenge was to not only prevent the ash from ending up in a landfill, but also to repurpose the ash into a usable product, at the same time.

*Solution / Application:* ESI engineered a solution that capitalized on the properties of the ash to create a high-value, high-performance, green product called PaveMend. PaveMend has been used in various solutions ranging from runway repair at BWI International Airport and Reagan National Airport to full depth bridge deck repairs throughout the states of Virginia, Maryland, Pennsylvania, and Washington, DC. In addition, PaveMend has been instrumental in allowing our military operations to further their efforts in overseas operations; primary uses being rapid runway repair.



## James River Blends®



*Background:* Many years ago, untreated wastes were discharged directly into our nation's waterways. Today, continually improving wastewater treatment techniques keep our waterways cleaner and safer for everyone. The issue of what to do with the treated residuals, called BioSolids, becomes the challenge.

*Solutions / Application:* ESI developed an alternative solution that allows the management of the BioSolids by composting the previously unused waste (by-products) with recycled paper products and woodchips to make usable compost. This product is then sold to landscapers, nurseries, and the general public, resulting in a product that sustainably improves and maintains productive soils and stimulates hardy plant growth.

## Educate -> Evaluate -> Execute -> Enterprise

ESI Solutions are applicable, successful, and repeatable, working within your unique organizational requirements. For additional information on how ESI can assist your organization in turning waste (by-products) from a liability into an opportunity, visit us online at [www.envirsol.com](http://www.envirsol.com) or call 804.740.5605.

Environmental Solutions, Inc.  
Synergistic Solutions for the Environment  
[www.envirsol.com](http://www.envirsol.com)  
804.740.5605