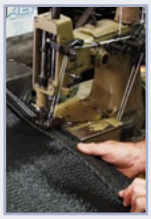
TENCATE
Mirafi®

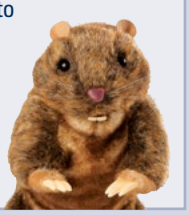
Winter 2016


TenCate Geotube® Technology—A Cost Effective Solution for Coal Ash Disposal.

Expert Corner



Did you know that the factory sewn seam strength of Mirafi® CR330 tests at over 3,600 lbs./ft.? That's more than 10 times the strength of geogrid connected with zip ties! Just another reason to consider fully engineered high strength geotextile sewn panels when stabilizing soft, saturated subgrade conditions.



Mirafi® S-Series Project

Job Name
Macon County Landfill

Location
Franklin, NC

General Contractor
Shamrock Environmental

Geosynthetic Installer
Chesapeake Containment Systems, Inc.

Installation of Mirafi® S1600 for geomembrane protection at the Macon County Landfill.

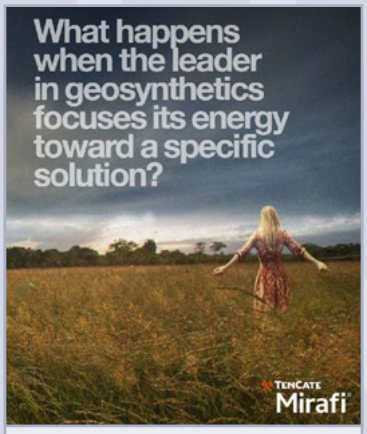
TenCate Geotube® Technology—A Cost Effective Solution for Coal Ash Disposal

The EPA has recently established new national regulations for the safe disposal of coal combustion residuals (CCR) from coal fired power plants because of its toxicity to the environment. As a result, a Midwest area electric utility company implemented the closure of two 20-acre ash ponds. After mobilization and initial grading, it was determined that the soft, saturated subgrade would require reinforcement. The contractor contacted Quick Supply, a well-established TenCate distribution partner. Following an onsite meeting, TenCate prepared a thoroughly engineered solution utilizing Mirafi® CR440 sewn geotextile panels. The contractor was able to quickly and efficiently deploy the panels and begin closure of the pond by utilizing ash as the fill material and 18" of compacted clay as the impermeable cover.

TenCate Announces New Roles to Support Energy & Waste Market Segment Focus

TenCate is excited about providing solutions to the Energy and Waste Market. To help implement this future endeavor, John Herrmann (top) has been promoted to Commercial Director – Eastern U.S. In addition to overseeing distribution sales and technical marketing, John will be involved in developing strategy and implementing actions to penetrate the CCR and wind energy markets. Joining John in this market segment will be Mark Kurtz (bottom), Sales Manager – Energy & Waste. In his new role, Mark will be responsible for leading sales efforts in this market. Both John and Mark have many years of successful sales and marketing experience with TenCate Geosynthetics as well as in the broader construction industry.

TENCATE Mirafi®



The Energy Update

Stay tuned for the launch of Mirafi® CR-Series pond capping geosynthetics, coming January 9, 2017.

Miraspec Design Software Provides Winning Mirafi® RSi Design

TenCate recently partnered with a distributor to pursue a laydown yard project for a wind component manufacturer. The original design allowed for several solutions, including a geogrid option, a thick aggregate section and chemical stabilization. Kate Vitale, TenCate's Engineering Business Manager - Rocky Mountains, utilized TenCate's new and improved online Miraspec design software. A Mirafi® RS380i design resulted in a significantly thinner aggregate section. This project presented many challenges, including an aggressive project schedule, a 50-mile aggregate haul each way, and sulfates present on site. Because of these obstacles, the owner's representative decided to take a hard look at the RSi option, which was subsequently approved due to its cost, time efficiency and low risk. Construction began on this 140-acre laydown yard in late September 2016 and is scheduled to finish in early 2017.

Geotube® CCR Project

A coal fired power station was in need of closing an existing ash pond in order to fulfill regulatory requirements; however, they were faced with various site limitations and geotechnical challenges. TenCate Geotube® dewatering and containment technology was ultimately selected to construct a wall, which beneficially utilized dewatered CCRs as the foundation. The function of the Geotube® structure serves multiple purposes, including removal of sluiced ash from the existing impoundment; segmenting the area where an ash stockpile will be constructed; and improving slope stability of the overall pond during construction.

Don't wait until our next publication to find out what TenCate is up to.
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