Struggle Finding IGEPAL Replacement, Diffusion of VOCs, New Industry Jobs | August 2023 Vol. 1

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NEWSMAKERS: * Advanced Drainage Systems * Augmented Geotextiles * BGM * Bituminous Geomembranes * Core & Main * Earthlok * FCM * Flexible Concrete Matting * GCLs * Geocomposite Polymer Troughs * Geomatrix * Geomembrane Leaks * Geosynthetic Insights * Geosynthetics * GNA * GPT * Igepal™ * Kazakhstan * Kerry Rowe * Layfield * Marc Amtsberg * PVD * University of Technology Sydney * VOCs

INDUSTRY NEWS

Researchers Struggle to Find Viable Replacement for Stress Cracking Reagent for Geomembrane Testing (Editorial)

Geosynthetic Insights - The Importance of Bentonite Raw Source for the Performance of GCLs

Geosynthetic-Reinforced Flexible Concrete Matting (FCM) Used for Mine Rehabilitation at Hazelwood

Best Practice Geomembrane Installation-Working Toward Zero Leaks

The Challenge of Geomembrane Weld Edge Thickness

Kazakhstan Develops New Technologies Using Geotextiles to Extend Service Life of Highways

Groundbreaking Australian Geogrid Research: Reinforcing Weak Subgrades and Enhancing Flexible Pavements

University of Technology Sydney Article on Recent Advancements in Geosynthetic Engineering for Sustainable Construction

GEOMEMBRANES

Diffusion of VOCs Through Elastomeric Bituminous Geomembranes (BGMs)

Geomembrane Leaks Detection and Leakage Correlation Factor Analysis of Composite Liner Systems for Fifty-Five (55) Solid Waste Landfills

Comparison of Strength and Deformation of Geomembranes Under Uniaxial and Biaxial Tension

LANDFILLS

Reliability-based Seismic Design of Reinforced Soil Walls for Vertical Expansion of MSW Landfills

Minimizing Seepage in Irrigation Canals in Land Reclamation Systems Via an Innovative Technology - Geocomposite Polymer Troughs (GPT)

NEW PATENTS

Advanced Drainage Systems Patent Geosynthetic Stormwater Management System

Geomatrix Systems Patent New Wastewater Leaching System

GEOTEXTILES

Phosphate Removal and Recovery Using Iron Augmented Geotextiles

GEOTUBES

Cleaning Water Bodies Using Geotextile Tubes: New Challenges and Opportunities

GCLs

Field Observed GCL Panel Shrinkage for Five GCLs in Composite Liners

Factors Affecting Cation Exchange Between GCLs and Compacted Subsoils

Modelling the Salinity Effect on the Water Retention Curve of GCLs on the Drying Path

PVDs

Large-Strain Consolidation of PVD-improved Soils Considering Depth-Dependent Initial Void Ratio and Initial Effective Stress due to Soil Self-Weight

GEOGRIDS

Model for Describing the Tensile Response of Woven Polyester PET Geogrids after Damage

NEW JOBS

Core & Main Seeking Geosynthetics Manager (Generous Salary up to USD200K/a)

Layfield Geosynthetics Seeking Business Development Manager (Base Salary of USD$60K/a)

GEOSYNTHETIC DIGITAL MARKETING

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- To locate, interpret and disseminate new scientific research to manufacturers and users of geosynthetic materials.
- To enhance the knowledge and awareness of contemporary geosynthetic technologies amongst specifiers, users, and installers.

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