September 2022 Vol. 5

Author : GNA

GNA – The Most Widely Read Online Geosynthetics Publication
Time Sensitive Messaging for the Global Geosynthetics Industry

NEWSMAKERS: * AGRU * Auburn Environmental * CBR * Concrete Protection Liners * Downley Consultants * ExcelPlas * First Graphene * GCCM * GCL * Geotextile Tubes * GNA * Graphene * Imagine Intelligent Materials * Microplastics * Piggy Back Landfill * Polarized Light Photomicroscopy * SOLMAX * Titan Environmental Containment

INDUSTRY NEWS

Industrial Concrete Protective Liner Applications (Feature)
https://agruamerica.com/industrial-concrete-protective-liner-applications/

Slower Growth Predicted in 2022-23 for Global Geosynthetics Market [PDF]
https://cloud.excelplas.com/s/fmJvjwxAJk8puFW

New Tool to Probe the Quality of HDPE Fusion Welds in Stunning Detail
Polarized Light Photomicroscopy (PLP) allows previously unseen details in wedge welds to be resolved in great detail
https://cloud.excelplas.com/s/nbhhPgEWhPSgGgC

Graphene Manufacturer in North Geelong Permanently Closes
Creates supply issue for geosynthetics industry although First Graphene steps up to supply
https://cloud.excelplas.com/s/p9ZOLZnkCpAkHLh

First Graphene Listed Company Supplying Graphite to Make Conductive Geotextiles

https://www.listcorp.com/asx/fgr/first-graphene-limited/news/annual-report-to-shareholders-2761813.html

Seeking Case Studies or User Experience of PVC or PVC/EIA Liners/Covers in Anaerobic Digestor (AD) Applications
We are looking for experience (both good and bad) with PVC or PVC/Elvalloys in the anaerobic digester waste treatment area.
If you have any experience or information or even possible leads please contact GNA Editor on the link below
https://www.geosyntheticnews.com.au/contact-us/

STEEP WALLED LANDFILLS

Steep Walled Landfill Extension in Greece Lined with Solmax Geosynthetics
https://www.solmax.com/en/technical-library/case-studies/fili-landfill-extension-in-greece-lined-with-solmax-geosynthetics

Vertical Expansion with Piggy-Back Geomembrane Liner to Extend Life of Toowoomba Waste Management Centre Landfill to Cost $5.3 Mill.
https://www.tr.qld.gov.au/about-council/news-publications/media-releases/15430-trc-project-to-extend-life-of-toowoomba-waste-management-centre-landfill

GEOMEMBRANES

Assessing Materials Failures in Landfill Geomembrane Liners
http://www.auburn-environmental.com/Page/?Page=Damage%20Assessment

Review of the Barrier Performance of Triple-Layer GM/GCL/AL Composite Liners [PDF]
https://www.mdpi.com/2077-0375/12/10/922/pdf?version=1663941801

Modelling Leachate Generation: Practical Scenarios for Lined Municipal Solid Waste Landfills
https://cloud.excelplas.com/s/vr2cBI1uFQ41VNY

GEOTEXTILES

A Review on Effects on CBR Values by Using Geosynthetics
https://www.sciencedirect.com/science/article/pii/S221478532205948X

Study of the Subsidence Width Influence on the Geotextile Control of a Subgrade Collapse [PDF]
https://www.mdpi.com/2076-3417/12/19/9504/pdf?version=1663839568

GEOTEXTILE TUBES

Experimental Study on Static Stability of Tailings Dam with Geotextile Tubes [PDF]
https://cloud.excelplas.com/s/1wCcHlw7gK9P9JA

USA TODAY – Sea Level Rise is Not Just a Beachfront Problem
https://cloud.excelplas.com/s/Y71lPXhiYQCoSs6
USA Today
Over 2,000 feet of **geotextile** tubing was deployed along the beaten coast to stem coastal erosion

PLASTICS AND THE ENVIRONMENT

NZ Government Announces $5m Fund to Help Reduce Reliance on Plastics
https://www.rnz.co.nz/news/political/475366/government-announces-5m-fund-to-help-reduce-reliance-on-plastics

Microplastics can Aggravate the Impact of Ocean Acidification on the Health of Mussels
https://www.sciencedirect.com/science/article/abs/pii/S0269749122009150

Microplastics in the Water Column of Western Lake Superior
https://pubs.acs.org/doi/full/10.1021/acsestwater.2c00169

Purdue University Study Finds Microplastics in Plastic Pipes
The study found that microplastics (MP) have likely reached building faucets for decades but have received no characterization until recently. Bench-scale testing using two MPs, of different density, in copper and crosslinked polyethylene (PEX) pipes revealed size influenced the amount of MPs retained in a pipe.
https://hammer.purdue.edu/articles/thesis/Stagnation_Impacts_on_Building_Drinking_Water_Safety_The_Pandemic_and_Microplastics/20388876

GEOSYNTHETIC DIGITAL MARKETING

How to Get Noticed by More Than 48,000 People in the Geosynthetic Space Across the Globe
GNA reaches over 48,000 people each month and this high level of audience engagement comes from years of creating content that matters to the geosynthetic industry.
We provide the industry's most reliable and current information and have the trust and attention of the leaders and decision-makers.
Not only can we help you get in front of our highly engaged audience, but we also have a number of channels you can use to target your message – as well as the subject matter experts to put it all together.
https://www.youtube.com/watch?v=QCkE3q3sHPg

GNA – The Number One Online Geosynthetics Publication
Understand what is happening in the geosynthetics industry, with analysis of emerging trends & products, with market data and key contacts,
Receive updated information on geosynthetic trends and topics
Get thousands of key contacts in managerial and operational roles by the click of a button!
Providing the latest in news, views, and insights, it is a valuable and essential resource for the geosynthetic engineering and related construction industries
We deliver market news & information relevant to your business

Geosynthetic Intelligence is an evolving platform to address industry news, market challenges and trends
https://www.youtube.com/watch?v=QCkE3q3sHPg

Do You Have Any Geosynthetics Industry News? – Get in Touch
https://www.excelplas.com/contact-us/

Want More GNA? Find Thousands of Back Issues Here:
https://www.geosyntheticnews.com.au/

Stay Up to Date with the Latest Geosynthetic News by Signing Up for the GNA Newsletter!
https://www.geosyntheticnews.com.au/subscribe/

• GNA now has +30,000 views per month
• Articles published on GNA get thousands of views and are distributed widely through 3rd Party Affiliates
• GNA is now the most read source of Breaking News on Geosynthetics Worldwide
• Since GNA is published up to 12 times per month, no other source of Geosynthetic Industry News comes close to being as current and up-to-date
• In 2017 we have increased readership by 10,000+ through India, Africa, and Asia
• Special Advertising Packages Available for Geosynthetic Manufacturers, Installers, and Service Providers.

ExcelPlas Geosynthetics Testing Expands Geosynthetic Testing Offerings
ExcelPlas now performs more than 120 standard geosynthetic tests in accordance with relevant ASTM, GRI, and ISO standards.
We have extensive experience with all types of geosynthetics - from geomembranes (HDPE, LLDPE, fPP), geotextiles to geonets, geogrids, geocomposites, and geosynthetic clay liners (GCLs).
As a Nationally Accredited Testing Laboratory, our technicians, equipment, and quality system are monitored regularly for proficiency and compliance assuring that you can count on quality results every time.

Geosynthetic News Alerts - Your Global Source of Geosynthetic News and Technology. Current and Updated!
http://www.geosyntheticnews.com.au

Among GNA's objectives are:

- To promote and educate on the development of specifications and practices that help ensure the proper use of geosynthetics.
- 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.

GNA – World’s Leading Source of Breaking News on Geomembranes, Geotextiles, and other Geosynthetics

This Newsletter is brought to you by ExcelPlas Labs Australia’s Largest group of Geosynthetics Testing Labs.
http://www.excelplas.com/

GNA is currently sent to over 7500 Geosynthetic Industry Members Globally every week.
Any news requests should be sent to john@excelplas.com
To subscribe, visit https://www.geosyntheticnews.com.au/subscribe/

GNA™ (Geosynthetic News Alerts™)
GBN™ (Geosynthetic Breaking News™)
GNAu™ (Geosynthetic News Australia™)
GNAf (Geosynthetic News Africa™)
GNC™ (Geosynthetic News China™)
GNCa™ (Geosynthetic News Canada™)
GNI™ (Geosynthetic News India™)
GNInd™ (Geosynthetic News Indonesia™)

GNU™ (Geosynthetic News United States™)

(c) 2022 Copyright ExcelPlas Labs and Geosynthetic News Agency

GNA is owned and operated by ExcelPlas Pty Ltd. By subscribing to GNA you agree to receive regular GNA newsletters as well as the GNA platform using your email contact details to enhance the performance and functionality of GNA and its analytics reports. These email contact details allow GNA to track page views and create more targeted and relevant content. GNA provides an unsubscribe link at the bottom of each GNA newsletter.