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

NEWSMAKERS: * Andrew Lees * Concor * Elis Technologies * ExcelPlas * Fabtech
* GCCM * GEOQ * Geosacks * Golder Associates * NAUE * PFAS * Shandong Innovative
Material Technology * SIMT * Solmax * Sotrafa * Spencer Textile Industries Group * Strata
* Tensar * TetraTech

Message from the Editor

As the Editor of GNA I would like to personally thank you for all your support in 2021. It has been another year of challenges, and as I write this, it's tough to predict what challenges 2022 will bring with it, but we are up to it and here to inform you.

INDUSTRY NEWS

How Can Textured Geomembranes Be Used in Final Solid-Waste Landfill Closure Designs?

<https://www.solmax.com/en/blog/how-can-textured-geomembranes-be-used-in-final-solid-waste-landfill-closure-designs>

Sotrafa Geo Showcases Use of HDPE Geomembranes in Lithium Mining

<https://sotrafageo.com/en/use-geomembranes-mining/>

Contamination of the Shore of the Baltic Sea with the Debris of Geosynthetic Materials for the Survey Period 2018 - 2020

<https://cloud.excelplas.com/s/3Qao8mRXNz5bkT9#pdfviewer>

SIMT Pioneers World's First 6.5 m Wide PP Filament Geotextile Line

<https://cloud.excelplas.com/s/mWa9jPBRCby49HD#pdfviewer>

ELIS Technologies Ltd Continues its Growth Strategy in Geomembrane Leak Detection

<https://www.elis.tech/elis-technologies-ltd-continues-its-growth-strategy/>

Anti-Cracking GCCM Now Available in the North American Market

<https://www.tiltexnorthamerica.com/tiltexproductrangegccm>

Black-Owned Geomembrane Installer Progressing HDPE Liner Installation at Major Ash Disposal Facility in South Africa

<https://www.engineeringnews.co.za/print-version/concor-progresses-with-majuba-ash-disposal-facility-2021-12-14>

Failed Geomembrane Liner in WWTP Replacement Project

<https://ceqanet.opr.ca.gov/2021120291>

GCCM Used to Create Artificial Surf Reef

<https://www.freepatentsonline.com/11198983.pdf>

Tensor Patent New Method of Making an Integral Geogrid from a Coextruded Multilayered Polymer Sheet

<https://www.freepatentsonline.com/11198986.pdf>

Geosynthetics Conference 2023 Opens - Call for Proposals

<https://geosyntheticsmagazine.com/2021/12/17/geosynthetics-conference-2023-opens-call-for->

[proposals/](#)

Strata's Geosynthetic Offerings are High Performers all Over the World

<https://www.strataglobal.com/strata-products-and-systems/>

GOMEMBRANES

Evaluating Interface Properties of Geomembrane and Compacted Clay Liners for Landfill Liner Stability [PDF]

<https://nexusec.com/wp-content/uploads/2021/12/Evaluating-interface-properties-of-Geomembrane-and-GCL.pdf>

Upstream Waterproof Treatment with Protective Geomembrane for Masonry Dams - A Case Study on Upper Bhavani Dam, Tamil Nadu

<https://www.indianjournals.com/ijor.aspx?target=ijor:wei&volume=64r&issue=8&article=005>

Modular Construction with Geosynthetics in Petroleum Industry

<https://onepetro.org/SPEADIP/proceedings-abstract/21ADIP/4-21ADIP/D042S267R002/473580>

Assessing the Quality of Compaction of Clay Liner Using Electrical Resistivity Measurements

<http://isc6.org/images/Cikke/Sessions/ISC2020-151.pdf>

Effects of Geosynthetics on Canal Damage Characteristics and Canal Seepage

<https://www.sciencedirect.com/science/article/abs/pii/S0022169421013457>

GEOTEXTILES

Application of a Geotextile in the Treatment of Post-Subsidence and Localized Sinkholes
<https://www.mdpi.com/2076-3417/11/24/11826/pdf>

Superior Erosion Protection with Geosacks and Geotextiles from Spencer Textile Industries Group
<https://www.prunderground.com/superior-erosion-protection-with-geosacks-and-geotextiles-from-spencer-textile-industries-group/00251468/>

Transport and Retention of Bacteria Through a Filtration System Consisting of Sands and Geotextiles
<https://www.sciencedirect.com/science/article/abs/pii/S0927776521005580>

GCLs

Effect of Incineration Ash Leachates on the Hydraulic Conductivity of Bentonite-Polymer Composite GCLs
<https://www.sciencedirect.com/science/article/abs/pii/S0956053X21006565>

GCCM

Anti-Cracking GCCM Now Available in the North American Market
<https://www.tiltexnorthamerica.com/tiltexproductrangegccm>

Golder Associates Pave the Way to Self-Healing GCCMs
<https://www.mdpi.com/2071-1050/13/24/13999/pdf>

GCCM Used to Create Artificial Surf Reef
<https://www.freepatentsonline.com/11198983.pdf>

GEO-TUBES

SBPF Agrees to add 20,000 Cubic Yards of Sand to Geo-tube Project

<https://www.ack.net/stories/sbpf-agrees-to-add-20000-cubic-yards-to-sand-to-geotube-project.27020>

Indian Offshore Geo-tube Breakwater Project Takes Off

<https://www.newindianexpress.com/cities/thiruvananthapuram/2021/dec/18/poonthura-offshore-breakwater-project-takes-off-2396737.html>

GEOGRIDS

Tensar Patent New Method of Making an Integral Geogrid from a Coextruded Multilayered Polymer Sheet

<https://www.freepatentsonline.com/1198986.pdf>

Why is Geogrid so Difficult to Model in Finite Element Analysis? By Andrew Lees

<https://www.youtube.com/watch?v=KZnuEyFFVNU>

Analysis of the Short-Term Tensile Response of Geosynthetics After Damage

<https://www.sciencedirect.com/science/article/abs/pii/S0950061821037041>

Stability Assessment of 3D Reinforced Soil Structures Under Steady Unsaturated Infiltration

<https://www.sciencedirect.com/science/article/abs/pii/S0266114421001126>

In-Plane Shear Behaviour of Novel Concrete Sandwich Panels Reinforced with Various Geosynthetics

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3972196

Stabilization of Slopes of Sandy Soils by Using Geosynthetics

<https://iopscience.iop.org/article/10.1088/1757-899X/1197/1/012081/pdf>

WEBINARS

PFAS, Geosynthetics, and Environmental Protection: How Much Do We Know So Far (On-Demand)

<https://web.cvent.com/event/b518bdb1-7a2b-4c9d-8903-8a6cd8be603d/regPage:617b1dc3-3ddb-4468-8087-049a4e6e51e8>

SHORT COURSES

Short Course - Fundamentals of Geosynthetics- Types, Functions, Materials & Selection (MARCH 2022)

<https://www.geocongress.org/program/short-courses>

QUOTE OF THE YEAR

“You Pay for a Site Investigation Whether You Have One or Not”

<http://info.tensar.co.uk/blog/the-benefit-of-proper-site-investigation>

AUSTRALIAN JOBS

Fabtech Seeking Project Manager for Geomembrane Containment Projects

<https://www.seek.com.au/job/55310240?type=standout>

HDPE Geomembrane Welders Needed for Perth Role

<https://www.seek.com.au/job/55359569?type=standout>

GEOQ Seeking Quality Assurance Personnel

<https://www.seek.com.au/job/55310299?type=standard#searchRequestToken=8958b7b5-c83f-47a5-81f5-8b9398185563>

GEOSYNTHETIC DIGITAL MARKETING

How to Get Noticed by More Than 48,000 People in the Geosynthetic Space Across the Globe

GNA reaches over 40,000 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>

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- 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.

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<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.

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