

# July 2020 Vol. 1

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## **GNA - The Most Widely Read Online Geosynthetics Publication** *Reaching more Players in the Geosynthetic Industry*

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NEWSMAKERS: \* ABG \* ACIGS \* AECOM \* AGRU \* ExcelPlas \* Fabtech \* GCCM \* HRAL \* Huesker \* IGS \* PFAS \* SCS Engineers \* Tensar

### **Unwelcomed Nuisance – Leachate Seeps Below the Final Cover Geomembrane**

<https://www.scsengineers.com/unwelcomed-nuisance-leachate-seeps-below-the-final-cover-geomembrane/>

### **New Geomembrane with In-Built Gas Filtering Cartridges**

<http://www.freepatentsonline.com/20200188828.pdf>

### **Geomembrane Material Deployment Drone Video (Client - Fabtech Australia)**

<https://www.youtube.com/watch?v=KxrzmR6k-Cw>

### **High Rate Anaerobic Lagoon (HRAL) Geosynthetic Cover Failure and Replacement**

GVW has now scheduled a \$10.4m project to fully replace the cover to take place during 2020/21.

HRAL cover damage - The cover has to contend with repeated pressurisation/depressurisation, UV radiation, high temperatures, contact with byproducts of the treated waste and bird attack from corellas (subgenus of white cockatoos). A severe wind storm in 2015 also contributed to the development of a large, 200m tear in the cover, which is visible from Google Earth. These issues have contributed to the steady decline of the cover over recent years and it is now at the end of its service life.

<https://www.gvwater.vic.gov.au/projects/current-projects/shepparton-high-rate-anaerobic-lagoon-cover-removal>

### **New Geomembrane-Lined Cell Constructed at North Canterbury's Kate Valley Landfill in NZ**

The cell has taken more than 18 months to construct.

<https://www.stuff.co.nz/environment/121913189/making-way-for-more-waste-at-north-canterburys-kate-valley-landfill>

### **Ground Engineering Awards 2020 | Brownfield Redevelopment Project of the Year**

## Shortlist

- ABG Geosynthetics: Barney Crag Mine where ABG engineered the geosynthetic capping design and reduced slip planes risk by combining drainage and membrane liner functions into one layer.
- AECOM: Process Waste Landfill Restoration Capping Project

<https://www.geplus.co.uk/features/ge-awards-2020-brownfield-redevelopment-project-of-the-year-29-06-2020/>

### **AGRU Podcast: Industrial Problem Solving with Thermoplastic Semi-finished Products**

<https://agruamerica.com/semi-finished-products/>

### **AGRU Video: Industrial Applications of Concrete Protective Liner**

<https://agruamerica.com/industrial-applications-concrete-protective-liner/>

### **PFAS and Geosynthetic Liners: Current Status and the Way Forward**

<https://www.acigs.org/?page=CiviCRM&q=civicrm%2Fevent%2Finfo&reset=1&id=14>

### **Huesker Press Release on Geosynthetic Fortrac™ Systems**

<http://cloud.excelplas.com/s/Yf7cpT0kb1WSjwk#pdfviewer>

### **Improving Surface Water Quality Using a Geotextile Filtration Technique**

[https://spectrum.library.concordia.ca/986155/1/Ghasri\\_MASc\\_S2020.pdf](https://spectrum.library.concordia.ca/986155/1/Ghasri_MASc_S2020.pdf)

### **Concrete Canvas Impermeable Erosion Protection**

[https://nera.technologycatalogue.com/product\\_service/concrete-canvas-impermeable-erosion-protection](https://nera.technologycatalogue.com/product_service/concrete-canvas-impermeable-erosion-protection)

### **Sorption of Lead on Sodium Polyacrylate Modified Bentonite**

<https://www.sciencedirect.com/science/article/abs/pii/S0921883120302892>

### **Slope Stability Analysis and Analysis of Reinforced Soil Walls to DIN 4084 and EC 7 (Free 177 page Booklet)**

[https://www.ggu-software.com/fileadmin/products/manuals/GGU-STABILITY\\_man-e.pdf](https://www.ggu-software.com/fileadmin/products/manuals/GGU-STABILITY_man-e.pdf)

### **Tensar Ground Coffee Episode 20: Fujairah Walls**

<https://www.youtube.com/watch?v=GDeY9ABJVCA>

### **Part 4: GEOGRID Future of Funding for COVID-19 and Transportation Construction**

<https://info.tensarcorp.com/part-4-future-of-funding-for-covid-19-and-transportation-construction>

**Interview with Craig Roberts the Senior Product and Application Technology Manager at Tensar International**

<https://www.theihe.org/member-of-the-monthcraig-roberts-ceng-fihe/>

**Case Study on Geogrid-Reinforced and Pile-Supported Widened Highway Embankment**

<https://www.icevirtuallibrary.com/doi/abs/10.1680/jgein.19.00024>

**New Standard will Support Measuring Quality of Cement in Geosynthetic Composite Mats**

<https://geosyntheticmagazine.com/2020/06/29/new-standard-will-support-measuring-quality-of-cement-in-geosynthetic-composite-mats/>

**Deformation Analysis of Geosynthetic-encased Stone Column-Supported Embankments using Cavity Expansion Model**

<https://www.tandfonline.com/doi/abs/10.1080/19648189.2020.1775707>

**Subsidence Prediction of Reinforced Soil Layer by Geosynthetic Using Large-Scale 1G Physical Model**

<http://cloud.excelplas.com/s/aHoR3p7FDqSYods#pdfviewer>

**Correlation of UCS and CBR on Lightweight Geocomposite of Soil-EPS Stabilized by Waste of Buton Asphalt**

<https://www.scientific.net/MSF.998.311>

**Geotubes Provide Low-cost Solution for Shoreline Protection**

[https://www.shorelinemedia.net/white\\_lake\\_beacon/news/geotubes-provide-low-cost-solution-for-shoreline-protection/article\\_693425eb-ec01-5912-bd13-df3f485f1dc0.html](https://www.shorelinemedia.net/white_lake_beacon/news/geotubes-provide-low-cost-solution-for-shoreline-protection/article_693425eb-ec01-5912-bd13-df3f485f1dc0.html)

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- In 2017 we have increased readership by 10,000+ though India, Africa and Asia
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## **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 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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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.

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