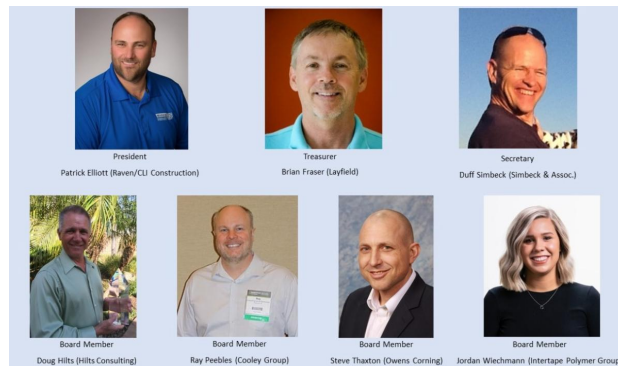




FGI Elects New Board

The Fabricated Geomembrane Institute (FGI) held its biennial membership meeting on 24 February 2021 during the Geosynthetics 2021 Conference. During the membership meeting, the newly elected FGI Officers and Board of Directors were introduced for their two (2) year term.

Before introducing the new Officers and Directors, Timothy D. Stark, FGI Technical Director and Professor of Civil Engineering at the University of Illinois at Urbana-Champaign, acknowledged the service of the outgoing Officers and Board Members: Greg Scales (Titan Environmental), Bill Shehane (Seaman Corporation), and Ed Silva (E Squared). Tim also acknowledged the recent retirement of John Heap from Raven/Colorado Lining International. John served as President of the PVC Geomembrane Institute (PGI) for four (4) years and was instrumental in expanding the PGI to the Fabricated Geomembrane Institute.



The newly elected FGI Officers will serve a two-year term (2021-2023) and are:

- President – Patrick Elliott (Raven/Colorado Lining International)
- Treasurer – Brian Fraser (Layfield Group)
- Secretary – Duff Simbeck (Simbeck and Associates)

The following newly elected FGI Board of Directors also will serve a two-year term (2021-2023) and are listed below in alphabetical order:

- Doug Hilts (Hilts Consulting Group)
- Ray Peebles (Cooley Group)
- Steve Thaxton (Owens Corning)
- Jordan Wiechmann (Intertape Polymer Group)

2021 FGI Webinar Series

The FGI is continuing its popular geo-engineering webinar series with exciting topics throughout 2021. All FGI webinars are recorded and posted on our website to view/download for FREE. All webinars viewed will earn 1.0 PDH. Register for one of the upcoming webinars today:

May 6 at Noon CDT: Deep Water Leak Location Surveys (Kemnitz) [Register](#)

June 3 at 11 a.m. CDT: Double Lined Systems Using Flexible Geomembranes (Fraser & Sati) [Register](#)

June 29 at 11 a.m. CDT: GCLs and Fabricated Geomembranes (Athanasopoulos) [Register](#)

July 22 at Noon CDT: Live Panel Discussion on Geomembrane Installation [Register](#)

August 12 at Noon CDT: Leachate Collection Systems - Design, Specs and Construction (Mackey) [Register](#)

Sept 9 at Noon CDT: Industry Best Practices for Floating Cover Systems (Hilts & Fraser) [Register](#)

Sept 30 at 11 a.m. CDT: Geomembrane Texturing - Quantifying & Specification (Swan & Yuan) [Register](#)

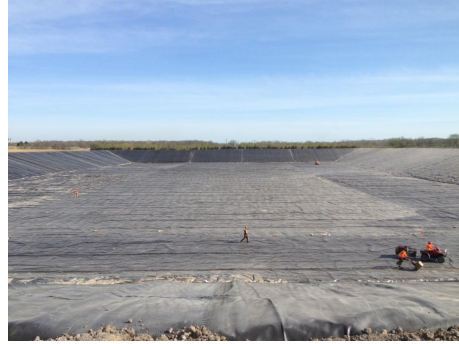
FGI Webinar
Gallery

Double Lined Brine Storage Pond

GEOMEMBRANE APPLICATION: Below ground double liner containment system to contain brine derived from creation of an underground petroleum reservoir in a salt deposit

MEMBER COMPANY: Layfield

MATERIALS USED: 1.4 million square feet (130,235 square meters) of 40 mil (1.0 mm) thick Enviro Liner 6040 Geomembrane, 700,000 square feet (65,120 square meters) of 220 mil (5.6 mm) Geonet, 700,000 square feet (65,120 square meters) of 10 oz (283.5 grams) non-woven Geotextile cushion



PROJECT DESCRIPTION

Salt storage caverns are constructed within deep salt bed deposits by circulating fluid to dissolve the salt deposit. The resulting cavern or reservoir is used to store hydrocarbons and liquefied petrochemicals within the salt deposit. A salt cavern is constructed by dissolving the salt deposits underground and extracting the resulting brine solution and placing it into a holding pond. Layfield was tasked with lining a below ground storage pond in Ontario, Canada to prevent leakage and potential contamination of underlying aquifers.

HOW THE USE OF FACTORY FABRICATION IMPROVED THIS PROJECT

Due to difficult site conditions, Layfield proposed using factory fabricated geomembrane panels in order to: minimize the amount of field welding, increase quality of the seams and final liner system, and meet the short project construction schedule (see Figure 3). Factory fabrication involves welding rolls of the geomembrane into large panels in a controlled environment, which increases seam quality and allows faster seaming. The seam quality is better because the welding is not affected by weather changes, dirt and other impurities in the seam area, and a constant temperature so the welding temperature does not have to be varied. This results in higher efficiency and quality of the seams in the factory than in the field.

[View Complete Project Spotlight](#)



Top Trending Podcasts at the FGI...

The Top Five Currently Trending Podcasts at the FGI are:

- Episode 17 Yeager Airport RSS Failure
- Episode 2 Factory Fabrication of Geomembranes
- Episode 6 Air Channel Seam Testing
- Episode 22 Panel Discussion on Subgrade Preparation
- Episode 20 Construction on Soft Foundation Soils

[Listen to Podcasts](#)



Spanish Speaking Webinars

The IGS Pan American Committee is now offering a Spanish Speaking Webinar Series on Geosynthetics related topics. Upcoming Spanish Speaking webinars are listed below:

May 18 at Noon CDT: Ingenio en el Diseño de Obras Geotécnicas con el Uso de Geosintéticos [REGISTER](#)

July 13 at Noon CDT: Estabilización Mecánica de Base Granular con Geomalla en Honduras [REGISTER](#)

Aug. 26 at 11 a.m. CDT (Portuguese): Soluções Sustentáveis em Solo Reforçado com Geossintéticos [REGISTER](#)

FGI's Website - #1 Resource for Fabricated Geosynthetics

- Online PDH Credit Program
- Installation Details & Drawings
- Audio and Video Podcast Series
- Geo-Engineering Pop Quizzes
- Pond Leakage Calculator
- Panel Weight Calculator
- Webinar Library
- Project Spotlights
- Member Directory
- Videos of ASTM Factory & Field Test Methods
- Latest Specifications & Guidelines
- Material and Equipment Guides
- Technical Papers & Journal Articles
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[Visit FGI Website](#)

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STAY CONNECTED

