

Safety First

The FGI always promotes project and site safety. Download these safety tips and conduct training right from your tailgate on the job site, or in a formal meeting at your office with our Tailgate Safety Flyers.



April 2020 Safety Tip:

PERFORMING A JOB SAFETY ANALYSIS

We are all affected by safety. Good safety saves lives and money. Below is a list of important Safety Program elements & how to implement a proper safety analysis by using a simple form (available to download for FREE from FGI Website):

- Job Description • Potential Hazards • Control or Eliminate Hazards • Effectiveness
- Frequency • Complacency • Supervisor Input • Employee Input

[Download Tailgate Safety Flyers Here](#)

WEBINAR

FGI Offering Exciting Array of Webinars

The FGI is continuing its exciting webinar series with a wide variety of topics and presenters. The webinars are **free** and each attendee will receive 1.0 PDH. All webinars, slides, and reference materials are posted on the FGI's [website](#). The FGI also offers a free online PDH Program that provides 1.0 PDH credit for each webinar viewed from our library in its entirety. Each webinar is approximately one hour in length. Upcoming webinars include:

May 19 at Noon CDT - Post Closure Care of Landfills by Jeremy Morris - [Register](#)

June 16 at 11 a.m. CDT - Testing & Design of Drainage Geocomposites by Eric Blond - [Register](#)

July 16, 2020 at Noon CDT - Packaging, Handling & Storage of Geosynthetics by Andrew Mills -

[Register](#)

Aug 20, 2020 at Noon CDT - Geomembrane Wrinkles in Containment Applications by Tim Stark -

[Register](#)

[Online Webinar PDH Program](#)

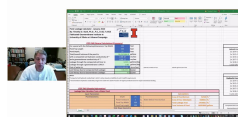
FGI Hosts Women in Geosynthetics Round Table Discussion



The FGI hosted the first-ever Women in Geosynthetics Round Table Discussion at the Geosynthetics 2020 Case Studies Conference in Charleston, SC. The Round Table panelists included: Christine Thomas (COMANCO), Tonya Switalski (Titan Environmental), Andreea Sasu (Solmax), Fabiana Arriaga (Geosyntec Consultants), and MC Jordan Wiechmann (Plastatech). The Round Table Discussion was attended by 29 women and another discussion will be held during Geosynthetics 2021. The excellent questions and practical advice created an electric atmosphere of discussion and energy for all attendees. This group also convenes quarterly teleconferences to discuss current events.

For more information or to join the Women in Geosynthetics Group or attend the teleconferences, please contact [Jen Miller](#).

[Women in Geosynthetics Website](#)



FGI Records Videos Demonstrating Pond Leakage and Panel Weight Calculators

The FGI has recorded videos that explain and demonstrate the Pond Leakage Calculator and the Geomembrane Panel Weight Calculator. Both calculators are available to download for free from the FGI Website. Other calculators under development include geomembrane cost estimator and a geomembrane leakage calculator.

The Pond Leakage Calculator is an excel spreadsheet based on Darcy's Law that calculates the leakage from a pond lined with compacted fine-grained soil and a geomembrane. The pond leakage calculator allows the user to input the size of the containment basin (including length, width, depth, side slope angle and freeboard), the hydraulic conductivity of the compacted clay/soil and the cost of water per acre foot of water. The spreadsheet calculates the volume of the basin, a comparison of leakage rates between the compacted soil and a geomembrane, and amount of money lost due to pond leakage, i.e., use of compacted soil instead of a geomembrane.

The FGI Panel Weight Calculator is another spreadsheet that calculates the surface area of a containment basin and then the number of factory fabricated geomembrane panels that are required to cover or line the entire basin. Afterwards, the spreadsheet calculates the weight of each panel based on the type of geomembrane selected by the user. Using the number of panels required, the number of truck loads, and days for field installation are calculated based on user selected allowable shipping weight/truck and number of panels that can be installed/day.

These tools are designed to help owners, consultants, engineers, architects, and contractors optimize their designs for lining basins to contain its contents and/or protect the surrounding environments, as well as estimate material, factory fabrication, shipping, and field installation time and costs to optimize the basin size.

FGI Records New Podcasts

Join Tim Stark (Professor of Civil Engineering and Technical Director of the FGI) and Jen Miller (Coordinator of the FGI) as they discuss emerging geosynthetics industry trends and news. Podcasts are available for download from the FGI Website or various online streaming services, such as Spotify, Breaker, Anchor FM. If you have a podcast topic or question for Tim and Jen, please email: fabricatedgeomembrane@gmail.com. Happy Listening!!



Episode 5: Geomembrane Nomenclature
Episode 6: Air Channel Testing
Episode 7: Stormwater Management with Special Guest Terry Sheridan
Episode 8: Secondary Containment with Special Guest Ed Silva
Episode 9: Pond Leakage & Panel Weight Calculators

[Download Podcasts](#)

FGI's Website - #1 Resource for Fabricated Geomembranes

- Online PDH Credit Program
- Installation Details & Drawings
- Podcast Series
- Pond Leakage Calculator
- Panel Weight Calculator
- Webinar Library
- Member Directory
- Videos of ASTM Factory & Field Test Methods
- Latest Specifications & Guidelines
- Material and Equipment Guides
- Technical Papers & Journal Articles
- Industry News and Events
- Photo and Video Gallery



[Visit FGI Website](#)

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