



FGI Newsletter - Winter 2024

FGI Creates Factory Fabrication Guideline

The FGI has created a Factory Fabrication Guideline that includes a minimum quality control (QC) system for factory fabrication, testing, packaging, handling, and shipping of flexible geomembrane panels. The guideline provides an overview of factory fabrication, geomembrane polymer technology, quality control of manufactured materials, factory seam testing, inspections, repairs, storage, transportation, handling, and deployment of geomembrane panels. This guideline is recommended for all manufacturers, fabricators, installers, and factory inspection personnel of flexible geosynthetics.



[Download FGI Guideline](#)



New FGI Short Course on Subgrade Preparation & Use of GCLs with Flexible Geomembranes

Presenters:
Timothy D. Stark, Ph.D., P.E. (Part 1)
Marat Goldenberg, P.E. (Part 2)

3.0 PDH, Free

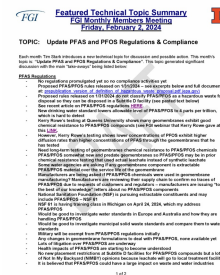
This online short course will focus on subgrade preparation for installation of flexible geomembranes. In addition, the course will focus on the use of geosynthetic clay liners (GCLs) with flexible geomembranes to create a composite barrier system. This course will describe the requirements for subgrade preparation before a flexible geomembrane is installed, such as maximum rock size allowed, presence of water, and smooth rolling the surface before geomembrane installation. This course will also present information on the use of GCLs with flexible geomembranes instead of or in addition to a compacted soil liner.

Part 1: Subgrade Preparation - Tuesday, April 9, 2024 from 12-1:30 pm CDT

Part 2: Use of GCLs with Flexible Geomembranes - Wednesday, April 10, 2024 from 12-1:30 pm CDT

[Register for Short Course](#)

FGI Featured Technical Topics



Each month during the FGI Membership Meeting, Dr. Timothy D. Stark, Technical Director of the FGI and Professor of Civil and Environmental Engineering at the University of Illinois, introduces a new technical topic for discussion and possible action. The main points of these discussions can be found on the FGI Website. Recent Featured Technical Topics include:

- PFAS and PFOS Regulations and Compliance
- Lining/Floating Cover Systems for Critical and Non-Critical Applications
- Discussion of Subtitle D
- Geomembranes and Geosynthetics in Energy Applications
- Electrical Leak Location Surveys with Flexible Geomembranes

Featured Technical Topics



University of Illinois - FGI Online CQA Course & Certification

If you missed the live offering of the FGI's Online Course and Certification Exam on Manufacturing, Fabrication, & Installation for QA/QC for Geosynthetics, we have you covered. All four parts of the course were recorded and are now available to participate at your convenience in an on-demand course format. The on-demand course will be offered monthly. The four course sessions will be available the first three weeks of each month, with the exam available to take online during the last week of the month. The four course sessions are: Part 1 - Manufacturing MQC & MQA, Part 2 - Factory CQC & CQA, Part 3 - Field CQC & CQA, and Part 4 - Post Installation Maintenance & Leak Location.

Cost \$500 (includes four course session and online exam)

\$300 (includes four course sessions only, used code: NOEXAM)

Regulators/government employees, used code REGULATOR

Register for March 2024 On-Demand CQA Course

Next FGI Webinar: The Geosynthetics Discipline and its Interaction with Geotechnical Engineering

[March 5, 2024 at 11 am CST \(Live\)](#)

[March 6, 2024 at Noon AEST \(Pre-recorded - Australia\)](#)

[March 6, 2024 at Noon CAT \(Pre-recorded - South Africa\)](#)

[March 6, 2024 at 5 p.m. JST \(Pre-recorded - Japan\)](#)



In this webinar, Dr. Giroud will describe how geosynthetics have become the most important innovation in geotechnical engineering in the second half of the 20th century. In particular, Dr. Giroud will focus on the geosynthetics discipline and its interaction with geotechnical engineering. He will illustrate how geosynthetics have pervaded most branches of geotechnical engineering because of the wide variety of functions that geosynthetics can perform.

Presenter: J.P. Giroud, Ph.D.

Free to Industry Professionals & Students

1.0 PDH

Register for Live

FGI's Website - #1 Resource for Fabricated Flexible 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
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