

IAGI Newsletter

NEWS, NOTES AND RESOURCES FROM IAGI

A Note from IAGI's President—Todd Harman



Dear IAGI Members,

I am pleased to have been elected President of IAGI. I appreciate the honor and I look forward to serving for

the next two years.

IAGI is an organization that gives voice to the Installer. That said, if you have issues or concerns that you would like to see IAGI address, please contact me.

I am pleased to report that the membership renewal rate for 2012 has been fantastic. Despite a number of years in which the economy has been dragging and the dues increase, our membership has stayed strong. Thank you for your continued support.

For several years there has been a request from numerous members that the CWT renewal process should require that the entire test be retaken

every five years.

Other members have voiced concern about the costs involved in doing a complete re-test. The Board has been sensitive to both sides of this debate. IAGI Board members have been asking members for input on this topic. The Board has come up with a compromise that will be more rigorous than the original renewal process but not involve the expense and hassle of retesting an entire group. The details of the new process can be found on page 2 of the newsletter. If you have feedback about the new process, please send me your comments at tharman@hallaton.com or call me at +410-583-7700.

All my best,



Todd Harman,
IAGI President

Inside this issue:

CWT Renewal Process 2.0	2
Board of Directors Election Results	3
Industry News	4
I ² Awards of Excellence Entries Solicited	6
New Members	8
Geosindex.com Enters Beta Testing Phase	9
AIC Announcements	12

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CWT Renewal Process 2.0

IAGI Members have asked that IAGI continue to raise the bar for welding technicians. Members contacted the Board for the past several years stating that they wanted the CWT renewal process be more rigorous. Originally, the renewal process only required welders to present a resume showing 500,000 square feet of welding within the past five years, a government issued identification and a renewal fee. Those advocating for the change, felt that the entire test needed to be retaken.

The IAGI Board has moved slowly on this issue as the companies involved in the program incur a fair amount of expense to conduct this testing the first time. Further, other certification programs don't require that you retake the test but that you do provide continuing education credits. In answer to these requests and to balance the need to keep costs down, the IAGI Board has reached a compromise regarding the renewal

process. In addition to the resume and the renewal fee, each candidate will need to submit one field welded seam that will be tested by a third party laboratory. CWTs must be renewed every five years.

A CWT must make a field-welded seam in the presence of a third-party observer. IAGI suggests you enlist a third-party observer on a job site to oversee this process. The qualifications for a third-party observer are listed below. IAGI has prepared a letter explaining the process to the third party observer and what they need to do.

The basic process is:

1. Fill out the renewal form.
2. Provide a resume showing 500,000 square feet (42,000 square meters) welded within the past five years.

CWT Third Party Observer Requirements

1. The Third-party observer is neither employed by nor has a financial interest in the company where the welding technician is employed.
2. Third party observer is responsible for checking that the person taking the exam is the person listed on the government issued identification.
3. Third party observer ensures that only the person taking the exam makes the weld.
4. Third-party observer must provide complete contact information in the event IAGI needs to verify the authenticity of the submission.
5. Third party observer is responsible for shipping or observing shipment of a pre-paid package to an approved laboratory.
6. Third-party is **NOT** responsible for certifying the quality of the weld, the proper material usage or equipment suitability. This is the sole responsibility of the technician.
7. Test candidates may test the strength of the weld prior to submission using a field tensiometer. Candidates may weld a total of three samples and choose the one that they want to submit. No other party can influence the candidates decision about which seam should be submitted.
8. Any compensation for this service is privately negotiated between the CWT candidates and the third party. IAGI does not set or recommend rates for this service.

CWT Renewal Process 2.0 (cont.)

3. Submit one field welded seam that is made in the presence of a third-party observer and sent to an approved laboratory. The material selected and seam needs to reflect the CWT type of material that is being renewed. (i.e. PVC certification will require that PVC material be used, PE certification requires that PE material be used, etc.) The welder may select material thickness and type of seam made (fusion or extrusion).
4. Have third-party observer sign off on renewal form & check identification to ensure the person taking the exam is the person on the id.
5. Pay the renewal fee of \$95 USD. This price includes the fees for the laboratory tests. IAGI is responsible for paying the laboratory fees. A list of approved laboratories is included in the renewal document.
6. The renewal will be processed and successful CWTs will have their certification renewed. A new wallet card and certificate will be sent to them.

The seaming can take place in a field setting, thereby eliminating the need to have the welders come into the shop. It is suggested that the company prepare a pre-paid shipment package for the welds

to be shipped by the third-party observer.

Within the next couple weeks the manual explaining the renewal process

will be on the IAGI website. IAGI is continually working to enhance this certification program. If you have suggestions for improving this process, please contact IAGI's Managing Director at + 651-554-1895 or iagi@iagi.org.

CWT Renewal Quick Facts:

- Renewals required every 5 years
- Renewal fee \$95
- Resume showing experience
- Seam sample performed with third party observer

Board of Directors Election Results

Members of the International Association of Geosynthetic Installers (IAGI) recently voted to fill four seats on IAGI's Board of Directors. Candidates were nominated by the industry and those elected will serve on the IAGI Board of Directors during 2012 -2013. The IAGI members elected include: John Heap, Colorado Lining International, USA; Max Brady, DDT Liners, Australia; Bill Shehane, Seaman Corporation, USA; and Nicky Araujo, Servicios de Ingenieria Geosintetica, S.A., Costa Rica. Each director will serve for two years.

New officers for the IAGI Board of Directors were elected at a recent Board of Directors meeting. Todd Harman was elected to serve as IAGI's President. David McLauray was elected First Vice President and Nicky Araujo was elected Second Vice President. Chris Eichelberger was elected Treasurer. Brian McKeown will serve the Board as Immediate Past President. All officers will serve two year terms.

There will be four seats up for election this fall. If you are interested in serving on the Board, please contact Laurie Honnigford at +651-554-1895, e-mail iagi@iagi.com.

Industry News

TRI Merging with Precision Geosynthetic Laboratories International (PGLI)

In late 2011, TRI merged Precision Geosynthetic Laboratories International (PGLI) of Anaheim, California into the TRI family of companies. TRI-Environmental and PGLI will share administrative and technical resources while continuing the strong service programs of each. TRI is especially pleased to help honor PGLI's late founder, Ronald Belanger, through our support of PGLI's decades long commitment to geosynthetic service excellence. PGLI will continue to operate independently from TRI as a stand-alone geosynthetic services laboratory in California.



IAGI Buyer's Guide adds new Products and Services Categories

IAGI has added several new categories to the Buyer's Guide found on the IAGI website: www.iagi.org. New Products categories include: Equipment, sewing machines; Sewing Parts Supplier. The new Service categories include: Sewing Equipment Supplier; and Equipment Training. If you have need of these products or services, please visit the website.



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6th Edition of Designing with Geosynthetics Available

As of January 18, 2012 the 6th Edition of *Designing with Geosynthetics* is available. Volume 1 covers geosynthetics, geotextiles, geogrids and geonets and is pages 1-508, while Volume 2 covers geomembranes, geosynthetic clay liners, geofoam and geocomposites and is pages 509-914. Robert Koerner has opted to use the on-demand printer Xlibrus to facilitate cost-effective printing of this authoritative and widely respected industry textbook. (www.Xlibris.com) And the really good news is that the book is very affordable:

- from Xlibris or GSI it is \$34.99 (hardback) or \$25.99 (softback) for each volume,
- from Amazon or Barnes and Noble it is \$28.81 (hardback) or \$16.08 (softback), for each volume and
- as an e-book or Kindle each volume is only \$3.88.



Geosynthetics 2013

Geosynthetics 2013 is scheduled for April 1-4, 2013, in Long Beach, California. The conference sessions and trade show will be held at the Long Beach Convention Center. Geosynthetics 2013 will feature an exhibit hall trade show, daily keynote speakers, an array of technical sessions and industry short courses offering professional development hours, plus social and networking events.

Co-locating with the Geosynthetics 2013 conference is the annual Southwest Geotechnical Engineers Conference, which is sponsored by the

Industry News (cont.)

[Federal Highway Administration](#) (FHWA) and state transportation departments from the southern and western U.S. The [Geosynthetic Research Institute](#)'s (GRI) conference, GRI-25, will be incorporated as two half-day sessions during Geosynthetics 2013.

Geosynthetics 2013 is sponsored by the Industrial Fabrics Association International. More information can be found at: <http://www.ifai.com/ifaievents/geosynthetics2013>.

Geopoly Snd. Bhd. Announces New Website
Geopoly Snd. Bhd. Malaysia, is pleased to announce a new website: www.geopoly.com.my.



New Website Offers Geosynthetics and Erosion Control-Related PDH Credits

Geosynthetics Consulting announces the launch of www.GeoEngineeringPDH.com, an online educational service that offers Professional Development Hours (PDHs) on a wide range of subjects related to the fields of geosynthetics and erosion control. Founded by industry veterans and supported by expert lectures, this educational training series is designed for civil engineers and other geo-industry professionals. GeoEngineeringPDH.com offers a convenient and accessible way to gain knowledge and earn your PDH credits.

The website offers PowerPoint-based training modules, which are designed to educate the user on applications, manufacturing, and other issues

related to geotextiles, geogrids, erosion control, paving interlayers, product testing, geomembranes, geotextile tubes, and much more. The training modules are authored by industry experts. GeoEngineering PDH users create a profile within the system allowing them to review or re-take previously purchased courses at any time and at no additional cost. Many courses also include downloadable course notes or additional supporting documentation.

“Engineers have a lot of options for face-to-face or live webcast learning, but not a lot of options that don’t require them to sacrifice specific work time,” says Alan Berry, President of Geosynthetics Consulting. “We wanted to give the geo-community a way to earn required PDHs on their schedule—a system that allows them to work when they need to and gain educational credit and stay current on technology when their schedules allow it.”

The content of GeoEngineeringPDH.com will continue to grow with the field. For more information on acquiring PDH credits with GeoEngineeringPDH.com, visit the website or contact Alan Berry at Alan.Berry@geosyn.biz. Visit: www.GeoEngineeringPDH.com.



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I² Awards of Excellence Entries Solicited



Project of the Year Award Trophy

IAGI will be seeking entries for the IAGI Installation Awards of Excellence program starting July 1, 2012. Now is an excellent time to start collecting pictures and information about the unique and extreme projects you are working.

Since IAGI's founding in 1996 the association has established and operated programs that have recognized outstanding achievements in installation.

The I² Awards of Excellence program is designed to illustrate the important work installers do for the geosynthetic industry.

Entry is simple. You need to fill out an entry form and submit a minimum of five pictures. There is no maximum number of pictures. You

do not need to reveal any company secrets in order to enter a project into the IAGI Installation Awards program. You will however, have to give the judges, who won't see the project in person, enough information to rate your project. The Award Categories include the Extreme Project Award, the Innovative Installation Award and the Project of the Year Award.

Extreme Project Award

The category is open to those projects that either solve a very challenging problem(s) or the installation requires the installer to overcome extreme conditions to successfully finish the project.

The "extreme" in this award can mean many different things. Examples are listed below but do not constitute the full range of what can be considered "Extreme."

- working within an impossible timeframe;
- managing climatic challenges;
- challenges to accessing the job site;
- overcoming topography challenges;

Innovative Installation Award

This award is open to those projects that require Installers to be innovative in installing geosynthetics on the jobsite. The judges will look at how the installer executed the installation, what changes they had to overcome to do a professional installation. The "Innovative Installation"



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I² Awards of Excellence Entries Solicited (cont.)

in this award can mean many things. Examples are listed below but do not constitute the full range of what can be considered “Innovative Installations”

- provide or support a “green” solution to an environmental problem;
- effective application of cutting-edge technologies;
- innovative application for geosynthetic products;
- a project that pushes the state of geosynthetic installation practice.

Project of the Year Award

The Project of the Year Award is selected by the judges based upon the highest score from all entries.

Eligibility

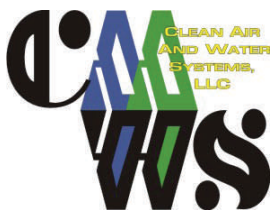
All IAGI members are eligible to enter this award program.

The I² Awards of Excellence program is designed to illustrate the important work installers do for the geosynthetic industry.

Submission deadlines:

July 1, 2012	Submissions open for AWARDS
November 1, 2012	Submission closed for AWARDS
January 15, 2013	Finalists notified
March 2013	Winners announced during the “Geosynthetics 2013” conference

IAGI is grateful to the sponsors who have supported the IAGI Installation Awards (I²A) program.



PROFESSIONAL INSTALLERS — PROFESSIONAL INSTALLATIONS

New Members

We would like to welcome our new members to the International Association of Geosynthetic Installers. Members are the foundation of IAGI, and we look forward to working with you to advance installation and construction technologies and to strengthen the knowledge, image and communication within the industry. We value your membership and look forward to your input.

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“Uncle Bill” — CWT Testing Around the World

William Steinke, affectionately known as “Uncle Bill” has been conducting more CWT testing in Indonesia. Bill continues to be a tremendous supporter of IAGI and certification testing.

Last year IAGI announced that Uncle Bill was working to have the CWT exam translated into the Vietnamese language. Due to Bill’s efforts, that translation is complete and the test is ready to be administered. If you are interested, please contact IAGI to set up testing.



Bill Steinke and his recent group of students at PT. Panca Tetrasa.

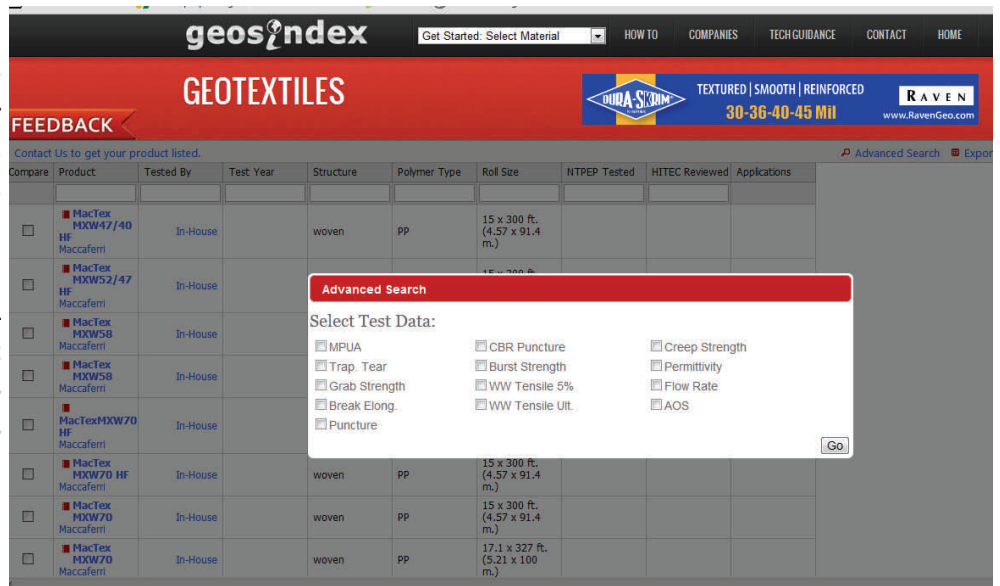
PROFESSIONAL INSTALLERS — PROFESSIONAL INSTALLATIONS

Geosindex.com Enters Beta Testing Phase; IAGI Feedback Sought

By Elizabeth Peggs

Geosynthetica would like to extend an invitation to IAGI members. We are beta testing the newly developed GeosIndex.com website. GeosIndex is a publicly available tool for engineers, designers, specifiers and others working with geosynthetic materials and, more specifically, data and certifications. The site is comprised of data tables designed specifically for each major material class. Users choose which information points they would like to see (e.g., carbon black content, tensile strength). In addition to key data points, Geosindex also includes important material certifications and test program recognitions (e.g., NTPEP). Comparative, user-friendly tools are built into Geosindex. All tables can be sorted alphabetically, by high-low or low-high in data fields, by certification or no certification, etc. Furthermore, the user can use the specific field selection tool to filter the available options and highlight products that will then remain highlighted as they continue sorting and comparing products. The user can also export the data to a spreadsheet format. Direct links to the manufacturers' information and spec sheets are included, as is a technical guidance reference section.

Geosynthetica.net is keen for industry feedback. Please visit www.geosindex.com and explore the site. A brief user experience survey on GeosIndex is included and your thoughts are very much appreciated. You will find that survey by clicking on the FEEDBACK button which floats on the left hand side on all of the site's pages (see screenshot).



Industry News (cont.)

TRI-Corp Liner Integrity Center Course Schedule

TRI has published the schedule of upcoming training courses. All courses will be held at TRI/Environmental, Inc., Bldg. A Facility, 9063 Bee Cave Road, Austin, TX 78733, USA. Download registration forms for the courses and exams at www.GeosyntheticTesting.com

LISA (2-Day) Training

(April 16-17, 2012)

Recent CQA technology development has encouraged the geosynthetics industry to rethink the historical paradigm of destructive seam testing (peel and shear). Part of the response to these considerations has been the encouragement and rapid development of non-destructive testing specifically Liner Integrity Surveys/Assessments (LISA).

LISA technologies can be utilized to swiftly and non-destructively detect small holes or leaks in geomembrane liner systems.

Field CQC / CQA Training

(April 18-19, 2012)

These two 1-day courses have been specifically designed for those persons who have a need for a detailed understanding of proper CQC and CQA procedures for waste contain-

ment facilities.

This course is ideal preparation for the Geosynthetic Certification Institute's certification exam and will provide a comprehensive understanding to those professionals who are: preparing CQC/CQA plans, reviewing CQC/CQA plans, performing CQC/CQA observations and tests, and reviewing field CQC/CQA procedures.

The two courses present the materials in two parts, each complementing the other to provide maximum benefit. The first day focuses on installation of geomembranes, geotextiles, geocomposites, geogrids and geosynthetics, and includes a geomembrane seaming demonstration with a detailed explanation & demonstration of seam peel and shear testing. The second day focuses on the installation of compacted clay and compacted clay and geosynthetic clay liner (GCLs). Special emphasis will be given to establishing rationale and standard operating procedures for field inspections, documentation of test and visual observations and implementation of CQA plans.

GCI CQA Certification Exam

(Friday, April 20, 2012)

Each CQA course student will be allowed to sit for the Construction Quality Assurance-Inspectors Certification Program (CQA-ICP) exams immediately following the CQA courses. The GCI exam itself is part of the GCI CQA technician certification program. Thus, students MUST REGISTER with the Geosynthetic Institute (GSI) and pay their required certification fee in order to take this exam. TRI does NOT collect this fee as it must be paid directly to GSI (GSI phone: 610-522-8440).



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International Association of
Geosynthetic Installers

YRC is now YRC Freight
A new company, a new culture

YRC The introduction of YRC Freight is more than a name and logo change — it's a new company. Although YRC **FREIGHT** Freight is just rolling out the new brand to the market, they have already built a solid foundation for this new service culture by focusing on the basics.

This internal change in focus has already improved service performance and customer perceptions. In the last four months with new leadership in place, YRC Freight has recorded consecutive month-over-month improvements in:

- On-time service reliability
- Customer satisfaction
- Market share position

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IAGI members are eligible for **discounted** services through YRC Freight. To sign up for these discounts or for more information, contact:

Rick Loerke
Supervisor - Association Solutions
Voice (913) 344-5733 Fax (913) 905-8882
Cell (913) 633-5657
email: Richard.Loerke@yrcfreight.com
YRC Freight Customer Support 1 800-610-6500



AIC Mission Statement

To establish criteria for recognizing the geosynthetic installation companies that meet a minimum level of professionalism, experience and business practices. The program's goal is to promote growth in the geomembrane installation industry and promote better quality workmanship.

American Environmental Group, Ltd.

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Note: IAGI welcomes new product announcements and personnel hires and promotions. Please send to Sally Perillat at info@iagi.org. A maximum of 100 words and one picture will be included.