

GeoNews

Newsletter of the Association of Environmental & Engineering Geologists,
Carolinas Chapter

2009, 2011, 2013, 2016, and 2017 AEG Chapter of the Year

SPRING 2020



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SAVE THE DATE

S3: Slopes, Slides, and Stabilization
Hotel Kabuki - San Francisco, CA
August 4-6, 2020

CGS Annual Meeting and Field Trip
Hendersonville, NC
September 18-20, 2020

GEONEWS SPRING 2020**Issue Date: May 26, 2020****TABLE OF CONTENTS****Articles and Reports**Online Training Resources *by Josh Hanks*7Continuing Ed. for 2019-2020 *by Josh Hanks*8**Columns and Regular Features**Message from the Chair *by Susan Avritt*3Changes to Cleanup Guidance *by DWM*.....10**Board Business**1 QT 2020 Treasurer's Report *by Walt Plekan*53-5-20 Meeting Minutes *by Jennifer Thomas*14**Forms and Flyers**

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Thanks to our Sponsors!

GeoNews is a publication of the Carolinas Chapter of AEG. There are four issues per year, with deadlines and issue publication dates listed below. We publish news of the profession, announcements, student member news, technical articles, and job openings.

Deadlines for submittal to AE Carolinas GeoNews

(can be flexible depending on events)

Spring—deadline March 1, issue date March 21

Summer—deadline June 1, issue date June 21

Fall—deadline Sept 1, issue date Sept 21

Winter—deadline Dec 1, issue date Dec 21

Deadlines for submittal for the National AEG News:

March issue—January 15

June issue—April 15

September issue—July 15

December issue—October 15

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MESSAGE FROM THE CHAIR

By Susan Avritt, P.E., P.G., Carolinas Chapter Chair

Greetings Carolinas Chapter!

I hope everyone is healthy and managing okay during these very strange and uncertain times. We were planning an April dinner meeting in Raleigh, but obviously had to cancel the meeting. We are tentatively planning a September dinner meeting in Asheville. Also, we are planning a field trip to the Emerald Hollow Mine in Hiddenite, NC in October. We held a field trip to the mine in 2017, and it was a great success. The field trip is limited to 50 participants and sold out last time, so be sure to sign up early when we send the registration forms out.

Due to the success of the AEG National meeting held in Asheville in 2019, which was planned by the Carolinas Chapter, we received close to \$6,000 from the meeting proceeds. To support the Carolinas Scholarship, we voted to donate \$10,000 to the scholarship fund. This year the Carolinas Scholarship awarded \$2,000 to Ciara Sailer, an undergraduate student at Appalachian State University who will use the scholarship to help fund field camp. If you know an undergraduate student studying geology, please let them know about the Carolinas Scholarship. The Scholarship board voted to increase the award to \$3,500 next year, which should go a long way to support a deserving student.



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Doug Canavello, P.G., M.B.A.



Eric Cross, P.G.

It is that time of year to renew your AEG membership. As North Carolina licensed geologists we are required to earn continuing education credits to maintain licensure. AEG presents opportunities at quarterly dinner meetings, classes, conferences and field trips to earn some of these credits, all of which are pre-approved by the NC licensing board. Although the NC Board for Licensing Geologists voted to waive the continuing education requirements for this year's license renewal, we still encourage you to renew your membership.

It is also that time to renew sponsorships. We appreciate the support of our sponsors, which helps provide free dinner meetings to students and offset some of the costs of meetings. Please contact Eric Cross (eric@pyramidenvironmental.com) to renew your sponsorship or become a new sponsor.

(Continued on Page 4)

(Continued from Page 3)

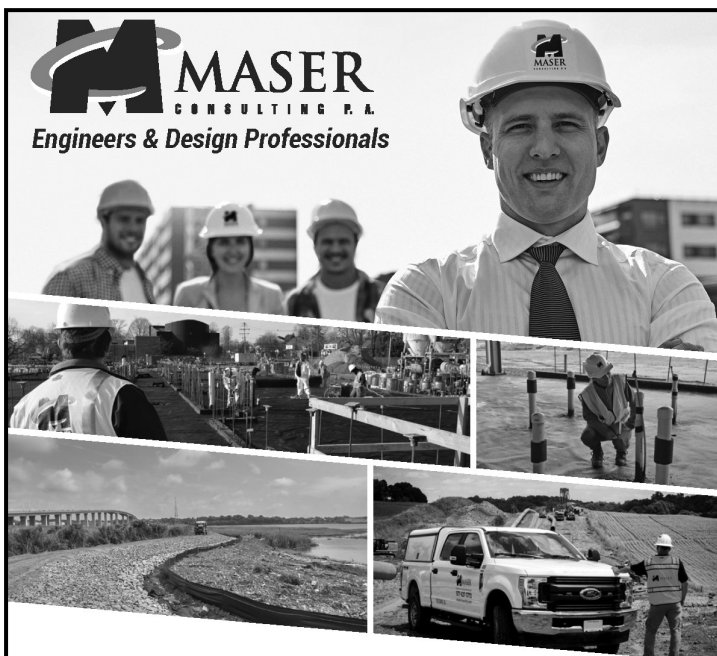
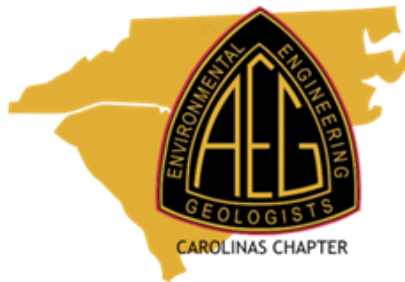
If you are interested in becoming more involved with the AEG leadership, the focus groups, or AEG in general, please contact me or other members of the Carolinas Board. **We are currently in search of a Carolinas Chapter Secretary for 2020-2021.** Professionals, regulators, and teachers are all encouraged and welcome.

As always, your board and I look forward to hearing from each of you regarding your suggestions and/or concerns related to our Chapter. We are here to serve the needs of our membership, so your feedback is vital and welcome.

Susan Avritt, P.E., P.G.

Susan.avritt@woodplc.com

AEG Carolinas Chapter Chair



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AEG Carolinas Chapter Updated 1Q 2020 Treasurer's Report

By Walt Plekan, P.G., Carolinas Chapter Treasurer



AEG Carolinas Section Treasurer's Report December 31, 2019 through March 31, 2020

BALANCE As Of December 31, 2019

Checking Account	\$ 3,403.73
Savings Account	\$ 21,611.29
	<u>\$25,015.02</u>

INCOME

Meetings

Jan Meeting	\$2,725.30
-------------	------------

Misc

Section Sponsors	\$2,925.00
Member Fees	\$590.00
Proceeds for 2019 National Meeting	\$5,975.00

Interest

Interest from savings	2.63
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SUBTOTAL - INCOME

\$12,217.93

EXPENSES

Fees

Meeting Expenses

\$4,191.41

Additional Expenses

Card Reader Fees	\$6.31
Paypal Fees	\$150.33
Visiting Professional (Travel and Meals)	\$147.67
Carolinas Scholarship	\$10,000.00

SUBTOTAL - EXPENSES

\$14,495.72

BALANCE As Of March 31, 2020

Checking Account	\$ 3,123.31
Savings Account	\$ 19,613.92
TOTAL	<u>\$22,737.23</u>



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Online Training Resources

By Josh Hanks

I hope everyone is healthy and staying safe as we continue taking precautions against the spread of COVID-19. While much of the work in our industry has slowed down if not halted during these strange times, many of us are working remotely and adapting to social distancing practices. For those who are interested, this could be an opportunity to take an online workshop and/or webinar.

There are quite a few resources for online training on a variety of topics. Both free and paid online training sources are listed below and several upcoming courses are listed in the calendar of events. If you know of any additional training opportunities/webinars/etc. that may be of interest to our field, please feel free to send us an email and we would happy to share it with the group.

Again, please stay safe and I look forward to having a beer with everyone once we get through this.

Free Online Resources

- CLU-IN webinars: <https://clu-in.org/default.cfm>
- ITRC Webinars: <https://www.itrcweb.org/Training>
- Enviro Workshops virtual workshops: <https://enviroworkshops.com/>
- Regenesys webinars: <https://regenesys.com/en/webinars/>
- Peroxychem webinars: <http://www.peroxychem.com/markets/environment/soil-and-groundwater/webinars>
- EOS Remediation webinars: https://www.eosremediation.com/portfolio_category/eoswebinars/
- American Geosciences Institute webinars: <https://www.americangeosciences.org/webinars>

Additional Training Opportunities

- Trainex EPA hosted/sponsored training: <https://www.trainex.org/epalinks.cfm>
- Trainex non-government links of interest <https://www.trainex.org/nongovlinks.cfm>
- NCBLG Continuing Education (approved courses includes online training): <https://www.ncblg.org/ce/>



Continuing Education for 2019-2020

By Josh Hanks

Some of you may already be aware but the NC Board of Licensing Geologists (NCBLG) has voted to waive the continuing education requirement for the 2019-2020 license period due to the ongoing COVID-19 pandemic. Please be aware that the license will still expire on June 30, 2020 if you do not renew and that any continuing education (or professional development hours) to be claimed during the 2019-2020 period and carried over to the 2020-2021 period should be submitted with your renewal.

If you are looking for continuing education opportunities as we practice social distancing, there are many online resources available. While every online training opportunity may not be pre-approved by the NCBLG, licensees can submit a Continuing Education Approval Form to be reviewed and approved of by the Continuing Education Board.

For additional information on the NCBLG's announcement, continuing education approval, or renewing your license please go to <https://www.ncblg.org/>.

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Recent Changes to DEQ/DWM Cleanup Guidance—5/15/2020

By the Division of Waste Management, NCDEQ

The Division of Waste Management made significant changes and additions to its hazardous substance cleanup guidance during the past year, summarized below. This document also offers, at one glance, a comprehensive list of our Division's cleanup guidance documents, to ease web page access to the information. The documents highlighted in yellow below have been recently revised.

Risk Evaluation Resources

The *DWM Risk Calculator* is a tool that can be used to (1) screen current risks posed by contaminated soils and vapors, (2) help plan the most cost-efficient remedial action and (3) evaluate whether a site may qualify for risk-based remediation under G.S 130A-310.65-310.77. The Calculator can provide risk levels posed by a site-specific set of contaminants (both for air and soil) and soil cleanup levels for restricted and unrestricted uses of the property. The Calculator also has other tools to aid in determining contaminant migration potential in evaluating qualification for risk-based remediation of groundwater.

The *DWM Preliminary Soil Remediation Goal (PSRG) tables* and *structural Vapor Intrusion (VI) screening tables* provide a first screen toward evaluating current risk and attainment of unrestricted use standards. If the "residential" use and "protection of groundwater" numbers on the PSRG tables are not exceeded, site soils can be considered to have met standards, requiring no further work. If "residential" or "nonresidential" (as appropriate) numbers on the VI screening tables are met, the vapor samples are considered to have met acceptable vapor concentrations. Additional sampling may still be required. If the PSRG or VI screening numbers are exceeded, the soils and air samples may still meet acceptable concentrations. The PSRG and VI tables provide a more conservative first screen, not taking into account the number of contaminants present and their particular toxic effects. If the numbers on the tables are exceeded, the Calculator can then be used to determine if risk targets and remediation standards are actually exceeded for the specific set of contaminants and their concentrations present at a site. The Calculator can also aid in reducing the cost of remedial action. For example, the site-specific risk results provided by the Calculator may show one contaminant, that is limited in extent, is contributing the most risk. Removal or treatment of this contaminant may bring the whole site to within remediation standards. Additionally, the Calculator can help determine if land use restrictions, instead of or in combination with, active remediation may result in a lower cost remedy.

The Calculator has been updated to include the most current US EPA toxicological values and has some improvements that make it easier to use. The *Risk Calculator User Guide* now includes more details and graphics to provide step-by-step instructions. The December 2019 revisions of both of the Calculator and User Guide replace any previous versions, so be sure to update bookmarks or favorites on your browser.

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Risk Evaluation Resources, continued

DEQ Risk Calculator and User Guide (December 2019):

<https://deq.nc.gov/permits-rules/risk-based-remediation/risk-evaluation-resources>

Preliminary Soil Remediation Goals (PSRG) Table (December 2019):

On DEQ Risk Evaluation Resources Page Under Screening:

<https://deq.nc.gov/permits-rules/risk-based-remediation/risk-evaluation-resources>

On IHSB Guidance Page Under Remedial Goals:

<https://deq.nc.gov/about/divisions/waste-management/waste-management-permit-guidance/inactive-hazardous-sites-guidance-documents>

Final Groundwater Standards and IMACs (15A NCAC 02L):

<https://deq.nc.gov/about/divisions/water-resources/planning/classification-standards/groundwater-standards>

Surface Water Standards (15A NCAC 02B):

<https://deq.nc.gov/about/divisions/water-resources/planning/classification-standards/rules>

Vapor Intrusion Guidance Document (March 2018) and Residential and Non-Residential Screening Levels (February 2018):

<https://deq.nc.gov/about/divisions/waste-management/waste-management-permit-guidance/dwm-vapor-intrusion-guidance>

Remediation Guidance

Inactive Hazardous Sites Guidelines for Assessment and Cleanup of Contaminated Sites – REC and standard guidance now combined (January 2020):

<https://deq.nc.gov/about/divisions/waste-management/waste-management-permit-guidance/inactive-hazardous-sites-guidance-documents>

Inactive Hazardous Sites Quick Clean Procedures (November 2015):

<https://deq.nc.gov/about/divisions/waste-management/waste-management-permit-guidance/inactive-hazardous-sites-guidance-documents>

Risk-Based Remediation Under G.S.130A0310.65-310.77 – Guidance (January 2020):

<https://deq.nc.gov/permits-regulations/risk-based-remediation/technical-guidance>

Risk-Based Remediation Under G.S.130A0310.65-310.77 - Procedures and Forms (April 2020):

<https://deq.nc.gov/permits-regulations/risk-based-remediation/forms>

Guidelines for Addressing Pre-Regulatory Landfills and Dumps (May 2020):

<https://deq.nc.gov/about/divisions/waste-management/waste-management-permit-guidance/inactive-hazardous-sites-guidance-documents>

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TCE Indoor Air Inhalation Immediate Action Levels and Response

Following the Secretary's Science Advisory Board's (SAB) approval of Trichloroethylene (TCE) vapor intrusion action levels in February 2019, the Division has prepared the following guidance and factsheets regarding the implementation of these action levels. The weblink for all follows.

- DWM Supplemental Vapor Intrusion Guidance – Trichloroethylene (TCE) Indoor Air Inhalation Immediate Action Levels and Response (July 2019)
- Factsheet - TCE in Residential Indoor Air (July 2019)
- Factsheet - TCE in the Workplace Indoor Air (July 2019)
- Notification and Response Actions Associated with TCE in Indoor Air - *for use by consultants to communicate potential risks to their clients* (June 2019)

<https://deq.nc.gov/about/divisions/waste-management/waste-management-permit-guidance/dwm-vapor-intrusion-guidance#tce-indoor-air-inhalation-immediate-action-levels-and-response>

The Supplemental Guidance and the Action Levels were developed through extensive coordination with the North Carolina Division of Public Health and with the US EPA Region 4. The SAB's review and endorsement process included the request for and consideration of public comment. Prior to the DEQ and the NC DPH submission of the *Guidance* and the *Action Levels* to the SAB in June, 2018, DEQ staff made presentations and requested stakeholder comment on draft *Guidance* and *Action Levels* at the following venues:

- North Carolina Manufacturer's Alliance – September 2016
- American Council of Engineering Companies & Professional Engineers of North Carolina – October 2016
- Environmental Health Subcommittee of the North Carolina Association of Local Health Directors –February 2017
- Registered Environmental Consultants update training by DEQ staff and REC Newsletter – March 2017
- North Carolina Bar Association – Environment and Natural Resources Subcommittee Annual Meeting – May 2017
- Dunklee & Dunham VI Symposium, August 2017
- Association of Engineering Geologists National Vapor Intrusion Symposium – October 2017
- North Carolina Department of Labor staff – December 2017

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Vapor Intrusion Guidance

Main Page: <https://deq.nc.gov/about/divisions/waste-management/waste-management-permit-guidance/dwm-vapor-intrusion-guidance>

DWM Vapor Intrusion Guidance Document (March 2018):

<https://files.nc.gov/ncdeq/Waste%20Management/DWM/NC%20VIG%20Final%2020180316%20v2.pdf>

DWM Residential Vapor Intrusion Screening Levels (February 2018):

https://files.nc.gov/ncdeq/Waste%20Management/DWM/SF/RiskBasedRemediation/Feb2018_Res_VISLs.pdf

DWM Non-Residential Vapor Intrusion Screening Levels (February 2018):

https://files.nc.gov/ncdeq/Waste%20Management/DWM/SF/RiskBasedRemediation/Feb2018_Non-Res_VISLs.pdf

DWM Supplemental Vapor Intrusion Guidance – TCE Indoor Air Inhalation Immediate Action Levels and Response (July 2019):

<https://deq.nc.gov/about/divisions/waste-management/waste-management-permit-guidance/dwm-vapor-intrusion-guidance#tce-indoor-air-inhalation-immediate-action-levels-and-response>

Carolina Board Meeting Minutes 03-05-2020 from 5pm to 6pm—Conference Call*By Jennifer Thomas—Secretary*

1. Call to Order
2. Roll Call: Jacob Hundl, Maddie German, Rick Kolb, Susan Avritt, Adam Phillips, Jane Gil-Shaler, Jen Thomas, Paul Weaver, Beca Deal, Rohit Warriar
3. Carolinas Chapter Finances – Walt
 - a. Review of current chapter finances:
 - Savings: \$29,613
 - Checking: \$6,095
 - PayPal: \$769
 - Total: \$36,477
 - b. Amount from AEG National meeting in 2019: \$5,975



4. Chapter Meetings
 - a. Charlotte January meeting
 - i. Cynthia had to cancel last minute, but fortunately we were able to find a great replacement due to the suggestion of the UNCC faculty.
 - ii. About 76 in attendance (12 students, 6 teachers, 11 members, 37 members, 37 non-members, 8 sponsor dinners for free)
 - iii. ~\$1,400 overage/loss
 - iv. Everyone seemed to really like this venue (easy parking, cool place, meeting space is good, etc.).
 - v. Had a raffle for AEG t-shirts and raised about \$120 for Carolinas scholarship
 - b. April meeting, April 16, 2020
 - i. Speaker is AEG Jahns Lecturer Scott Lindvall. We decided we would like him to present A Tale of Three Dams Along the Owens Valley Fault System.
 - ii. We chose Fortnight, a brewery. We still need to check catering. We want to have a vegetarian option and possibly a gluten-free and vegan.
 - iii. Announcement was to go out when we identified the location.
 - c. We decided not to have the social/activity day and meeting at Charlotte WWC in summer.

The top half of the block contains the Hart Hickman logo, which features the word "hart" in blue, a green stylized wave icon, and the word "hickman" in blue. Below this is the tagline "SMARTER ENVIRONMENTAL SOLUTIONS" in green and blue. The bottom half of the block is a photograph of a man wearing a yellow hard hat and blue gloves, kneeling in a field of dark soil and using a white container to collect a sample. Overlaid on the bottom of the photo is the text "A trusted partner serving your environmental consulting needs." in a white, italicized font. At the very bottom of the block, the website "www.harthickman.com" and phone number "(704) 586-0007" are listed in white.

(Continued on Page 15)

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- d. We are not changing the meeting attendance cost at this time but may discuss it further.
- 5. Succession plan—Susan
 - a. Chair: Jacob
 - b. Vice Chair: Jen
 - c. Treasurer: Walt
 - d. Secretary: We need a new one
 - e. Past Chair: Susan
- 6. VI Conference III—Rick
 - a. Planning committee has been established. There are 12 people. Kick off meeting was last week and they are working on selecting a venue.
 - b. Will be in Spring 2021 to avoid conflicts with other conferences; will be in Triangle area.
 - c. Co-sponsor is NCDEQ.
- 7. Membership—Beca
 - a. As of January, 83 members, include teachers (5), senior emeritus (5) and post graduate (5).
 - b. Email sent to former members
 - c. Beca sent a spreadsheet and requested officers sign up to call people they know on the spreadsheet.
- 8. Sponsors—Eric
 - a. Emails have gone out to sponsors
 - b. Status: 10 so far (\$4,000)
- 9. Field Trips - Rohit
 - a. Nutrien phosphate mine in Auror, NC field trip is not feasible since they can handle so few attendees.

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(Continued from Page 15)

- a. Boone dam won't work either.
 - b. The Hiddenite Mine field trip will be held instead in mid-October.
10. Jahns Lecturer—John
- a. April 2020, in coordination with Raleigh meeting.
 - b. Jacob is behind due to illness and needs to put this together.
11. Carolinas Scholarship—Paul
- a. One eligible applicant (one not eligible)
 - b. \$2,000 this year
 - c. We are keeping the same amount for 3 years before re-evaluating to keep things fair.
 - d. Maddie moves to take \$10,000 from savings to foundation. Susan seconded. Passed unanimously. Susan will ask Walt to issue the check.



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Below is a quick breakdown of the exciting things happening at ES:



Added Inventory / Supplies:

Along with several items added to our growing inventory, here is a quick list of those specialty items that have been requested:

- Core Drill w/ water kit
- Hammer Drills
- Diaphragm Pumps
- Air-Sparge System (Pilot Testing)
- SVE System (Pilot Testing)
- Sewer Camera w/Locator
- Downhole Camera w/DVR
- ATV / UTV Rental (Coming in April)
- Sand, Bentonite, and 55-Gallon Drums
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- Field Personnel Support
- AS/SVE System Support and Installation
- Equipment Calibration and Repair Services

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CALENDAR OF EVENTS—2020

Geological Events in the Carolinas

Courtesy of AEG Carolinas Chapter—www.aegcarolinas.org. Last updated April 27, 2020

Send updates/corrections to Alec Dziwanowski, adziwanowski@gmail.com

Meeting Date, Time, and Location are Subject to Change—Please Verify Prior to the Meeting

Date: Tuesday, May 5, 2020

Event: Environ Workshop Vapor Intrusion Virtual Workshop

Costs: Free

Time: 1:55 pm sign in and introduction, 2:00—3:00pm Presentations

Details/Registration: <https://enviroworkshops.com/workshop/2020-05-05-vapor-intrusion-virtual-workshop-usa/>

Date: Wednesday, May 6, 2020

Event: Environ Workshop Vapor Intrusion Virtual Workshop

Costs: Free

Time: 1:55 pm sign in and introduction, 2:00—3:00pm Presentations

Details/Registration: <https://enviroworkshops.com/workshop/2020-05-05-vapor-intrusion-virtual-workshop-usa/>

Date: Wednesday, May 6, 2020

Event: Biogeochemical Processes Enhance In Situ Treatment of Chlorinated Organics and Metals

Time: 1:00—2:00 pm

Details/Registration: <http://www.peroxychem.com/markets/environment/soil-and-groundwater/webinars>

Date: Monday, May 11, 2020

Event: Exposures and Latent Disease Risk: Linking Exposures to Diseases with Long Latency Periods Webinar

Time: 1:00—3:00 pm

Details/Registration: [https://clu-in.org/training/#Optimizing Injection Strategies and In situ Remediation Performance_20200521](https://clu-in.org/training/#OptimizingInjectionStrategiesandInsituRemediationPerformance_20200521)

Date: Thursday, May 14, 2020

Event: Performing Due Diligence to Manage PFA Liability Risk Webinar

Time: 11:00 am—2:00 pm

Details/Registration: <https://www2.regenesis.com/ned-witte-pfas-webinar>

(Continued on Page 19)

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(Continued from Page 18)

Date: Thursday, May 21, 2020

Event: Optimizing Injection Strategies and In Situ Remediation Performance Webinar

Time: 1:00 –3:15 pm

Details/Registration: <https://clu-in.org/training/>

#Optimiz-

ing Injection Strategies and In situ Remediation Performance 20200521

Date: Thursday, June 11, 2020

Event: Remediation Management of Complex Sites Webinar

Time: 1:00 –3:15 pm

Details/Registration: <https://clu-in.org/training/>

#Optimiz-

ing Injection Strategies and In situ Remediation Performance 20200521

Date: August 4-6, 2020

Event: S3: Slopes, Slides, and Stabilization

Location: Hotel Kabuki; 1625 Post Street, San Francisco, CA 94115

Details: <http://www.dfi.org/dfieventlp.asp?13372>

Date: September 14-19, 2020

Event: AEG Annual Virtual Meeting

Location: Portland, Oregon

Costs: \$100 members, \$200 non-members, \$25 students

Details: <https://www.aegannualmeeting.org>

Date: September 17 and 18, 2020

Event: GWPNC Dinner Meeting and Golf Tournament

Costs: \$125 per person, includes golf, lunch, and beverages

Time: Dinner Meeting on September 17 from 5:30 pm to 9:00 pm | Golf Tournament on September 18

Location: Grandover Resort; 1000 Club Road; Greensboro, NC 27407

Details/Registration: <http://gwpnc.org/meetings>

Date: September 18-20, 2020

Event: Carolina Geological Society 2020 Annual Meeting and Field Trip

Topic: Geology and Viticulture across the Blue Ridge Escarpment, from the Inner Piedmont to the Blue Ridge Plateau: How Rocks and Landforms Play a Critical Role in the Cultivation of Wine-Grapes in Polk, Henderson and Buncombe Counties

Location: Hendersonville, NC

Details: <https://www.carolinageologicalsociety.org/next-meeting-2020/>

Date: Friday, October 2, 2020

Event: ASBOG Geology Exams

Details: Deadline to apply for the exam is August 14, 2020 (Preapproval required before applying)

Location: McKimmon Center, Raleigh, NC

Contact: www.ncblg.org

Date: October 3-6, 2020

Event: AIPG 2020 National Conference

Location: Hilton Sacramento Arden West; 2200 Harvard Street, Sacramento, CA 95815

Details: <https://aipg.org/page/2020CANationalConference>

Date: October 13-16, 2020

Event: 45th Annual Conference on Deep Foundations

Location: Gaylord National Resort & Convention Center; National Harbor, Maryland

Details: <http://www.dfi.org/dfieventlp.asp?13395>

Date: October 25 to 28, 2020

Event: Annual Meeting of the Geological Society of America

Location: Montreal, Quebec, Canada

Details: <https://community.geosociety.org/gsa2020/home>



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My signature attests that, to the best of my knowledge, I meet the academic and practice requirements for the membership class requested and that all information on this application are true and correct.

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Thank you! We appreciate your support of the Association of Environmental & Engineering Geologists.



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The Carolinas Chapter of AEG supports many of its activities with financial assistance provided by our sponsors. Our activities include quarterly meetings, periodic field trips and seminars, a quarterly newsletter, and email announcements about our meetings and geoscience related activities. In addition, we donate large quantities of educational resources to science teachers.

We offer several levels of sponsorship, but they all have one goal: to keep the sponsor's name in front of our members and to bring you business. We have a real commitment to connecting our sponsors to potential buyers and will do all we can to help you build your business. Most of our members are practicing professionals with responsibility for selecting subcontractors, so our group is a great place to find new customers and to catch up with existing clients in an informal setting.

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