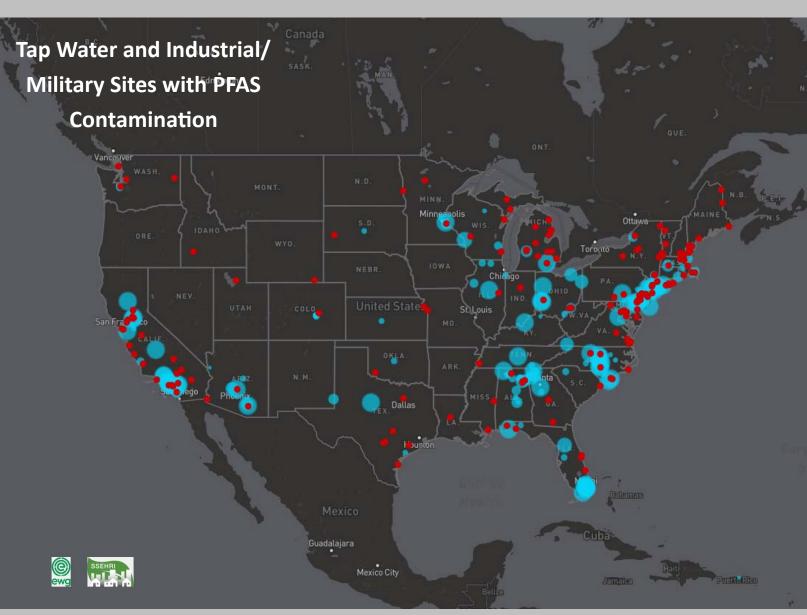


GeoNews

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

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

WINTER 2018



IN THIS ISSUE

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AEG Carolinas Winter Meeting Latest and Greatest on Risk Assessment Dilworth Neighborhood Grille—Charlotte, NC February 7, 2019

> 62nd AEG Annual Meeting Renaissance Hotel—Asheville, NC September 17-21, 2019

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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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AEG Carolinas Chapter Websitewww.aegcarolinas.org

AEG National Website www.aegweb.org

Cover: (Environmental Working Group & SSEHRI as Northeastern University) Map of sites and tap water locations confirmed to have PFAS

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MESSAGE FROM THE CHAIR

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

Greetings Carolinas Chapter!

On October 18th in Greensboro, North Carolina we hosted Deb Green, the 2018-2019 Jahns Distinguished Lecturer. Deb was welcomed back to her old stomping grounds where she began her career. Deb presented "Let's Talk – A Conversation on How We Communicate About Science," which was a very relevant topic in this new world of social media and a large variety of media outlets. Approximately 45 professionals and students were present at The Kitchen + Market, a nicely remodeled space in the former Revolution textile mill, to enjoy the talk.

Between October 17th and 19th, Deb kicked off her Jahns Lectureship and visited East Tennessee State University, Western Carolina University, Appalachian State University, and Furman University. We value the opportunity to continue to support the Jahns Lecturer's visit our Chapter to speak to students in our area.

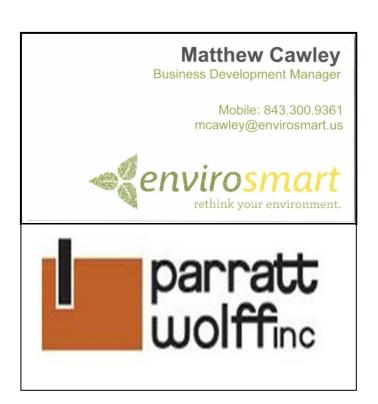
We are planning a dinner meeting at Dilworth Neighborhood Grille in Charlotte on Thursday, February 7th where attendees will earn 1 CEU for attending the talk. Genna Olson with Hart & Hickman and Janet McDonald with NCDEQ will present "Latest and Greatest from NCDEQ on Risk Assessment" where they will discuss the latest risk-based remediation guidance and NCDEQ's

Risk Calculator and associated User's Guide. Dinner meeting details are provided on Page 7.

The AEG Annual Meeting will be held in Asheville, North Carolina this year from September 17 to 22, 2019. The Carolinas Chapter members are actively planning the meeting and expect a large crowd for the meeting. The meeting will include technical sessions, field trips, short courses, guest tours, a special event, and many other networking receptions. Note that if you are an AEG member, you will receive a discounted registration rate. Registration will begin soon.

Please visit https://www.aegannualmeeting.org/ for more information.

(Continued on Page 4)



(Continued from Page 3)

We are planning a field trip in the Wilmington area this spring, so stay tuned for details. Also, if you have ideas for social events in your area, please reach out to the Social Committee Chair Adam Phillips (adam.phillips@contestlabs.com).

There are many committees within AEG – from operational committees, such as the Licensure Committee, to technical committees, such as the Landslides Committee. If you are interested in participating in AEG at a national level, please speak with me about committee and focus group roles.

As always, our board and I look forward to hearing from each of you regarding 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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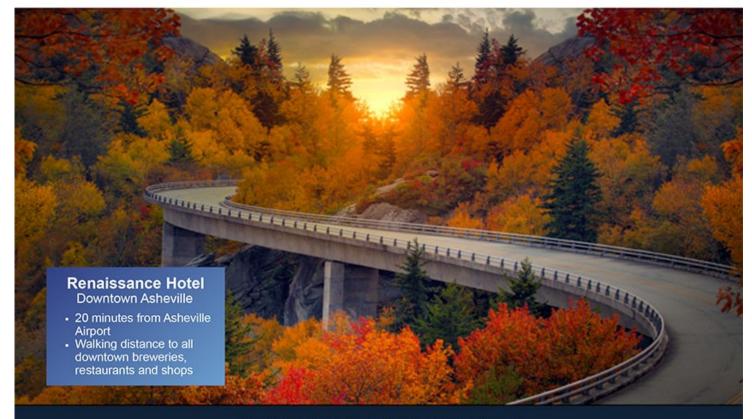


AEG 62ND ANNUAL MEETING

Asheville, North Carolina September 17-21, 2019

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- Landslides
- · North Fork Reservoir Dam
- River Arts District/Brewery Brownfields Sites
- Mining

Guest Tours

- · Biltmore House & Gardens
- · Lake Lure/Chimney Rock
- Linville Caverns
- · Wine Tour

Symposia and Technical Sessions

- Dams
- · Landslides, Rockfall, & Debris Flow
- Coastal Processes & Hazards
- Emerging Contaminants
- · Remediation & Geochemistry
- Vapor Intrusion
- Mining
- Transportation & Infrastructure Project
- Geophysics and more...

No. (503) 68

and more.....

Short Courses

- · UAVs for Reconnaissance
- Environmental Field Equipment Calibration and Demonstration

Student & Young Professional

Geologic Field Mapping

Networking Events

AEG Carolinas Chapter Updated 4Q 2018 Treasurer's Report

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

AEG Carolinas Section Treasurer's Report October 1 - December 31, 2018

BALANCE As Of October 1, 2018 Checking Account Savings Account		\$	3,029.77 20,098.90 \$23,128.67
INCOME		_	Ψ20,120.01
Meetings	October Meeting		\$1,281.00
Misc	Member Fees		\$40.00
Interest	Interest from savings		2.53
SUBTOTA	L - INCOME		\$1,323.53
EXPENSES Fees	Card reader fees		23.42
Meeting E			\$472.34 \$1,759.71
Additiona	I Expenses Travel for AEG National Meeting Plaque for outgoing President Card Reader Purchase Jahns Lecturer Travel Reimbursement NC OEST Awards		\$657.12 \$42.90 \$20.33 \$398.10 \$500.00
SUBTOTA	L - EXPENSES		\$3,873.92
BALANCE As Of December 31, 2018 Checking Account Savings Account TOTAL		\$	476.85 20,101.43 \$20,578.28



Winter Dinner Meeting

The Carolinas Chapter of the Association of Environmental & Engineering Geologists

Guest Speakers:





Genna Olson, PG, Hart and Hickman, PC and Janet Macdonald, PG, NCDEQ

PRESENTATION

"LATEST AND GREATEST FROM NCDEQ ON RISK ASSESSMENT"

VENUE AND MEETING DETAILS

Date: Thursday, February 7, 2019

Location: The Baxter Room at Dilworth Neighborhood Grille

911 E Morehead St, Charlotte, NC 28204http: www.dilworthgrille.com

Parking: Limited parking is available at the restaurant and overflow parking is available at 900

S McDowell Street Garage

Time: 5:30 PM socializing begin, 7:00 buffet dinner, 8:00 presentation begins

Cost: AEG members \$40, non-members \$45, public-sector employees and teachers \$20,

students free with college ID

Reservations: Please make reservations with Rebecca Deal by 6:00 PM on January 31, 2019

email: rdeal@harthickman.com. Note: Attendees that walk in without a RSVP will be

charged \$5 on top of the meeting cost.

Special thanks to Eastern Solutions and Contest Laboratories for providing drink tickets for this event.





Presentation Abstract

This joint presentation by Janet Macdonald, Remediation Team Chair with NCDEQ, and Genna Olson, one of the authors of the NCDEQ Risk Calculator, and will provide updates related to risk-based remediation in North Carolina. The presentation will review the latest guidance related to risk-based remediation. Site examples will be discussed with a focus on successes, challenges, and lessons learned. In addition, the presentation will review a new version of the NCDEQ Risk Calculator and associated User's Guide, which are expected to be released in early 2019.

Genna Olson Resume

Genna Olson is a licensed geologist with Hart & Hickman, PC with over 20 years of experience in contamination assessment and remediation. Genna has specialty expertise in human-health risk assessment, vapor intrusion, and groundwater modeling. She was the key author of the NCDEQ Risk Calculator, which is currently used for human-health risk assessment and contaminant migration modeling in the NC risk-based remediation program.

Janet Macdonald Resume

Janet Macdonald is a hydrogeologist with the NCDEQ and Unit Supervisor within the Inactive Hazardous Sites Branch. She serves as the arbiter of risk-based remediation Division-wide to ensure consistency in approach and decision-making. In addition to over seven years with the NCDEQ, Ms. Macdonald has over 15 years of environmental consulting experience developing, implementing and managing complex, interdisciplinary environmental remedial activities at industrial and commercial sites. She received her B.S. in Geology from the University of California at Santa Barbara and a M.S. in Hydrology from UC Davis.

Editor's Note

By Joshua Hanks, P.G.

Hello, everyone!

I've never formally introduced myself but I am the current editor of the AEG Carolinas GeoNews. This note is not only to introduce myself but to also encourage our readers to reach out to me if you have any questions, concerns, or suggestions regarding our newsletter. I have a couple editions under my belt now but I still make mistakes and have plenty of room for improvement.

Please also feel free to contact me if there is anything you would like to see in our GeoNews that isn't already. Our publishing schedule can be found at the front of each newsletter and we are always open to potential articles and new suggestions!

Get in touch: dams-levees@schnabel-eng.com



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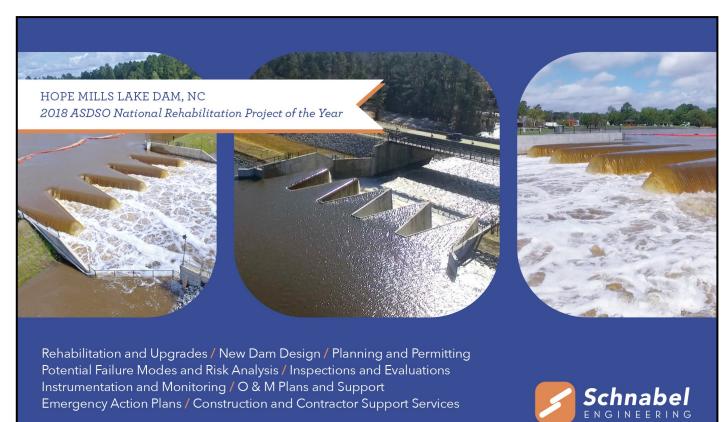
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AEG STRATEGIC PLAN

Goals and Objectives

Communication Goal

To improve the AEG experience and communicate it effectively

Objectives

- 1.1 Advocate for the profession through public and private outreach.
- 1.2 Enhance external awareness by strengthening the AEG brand.
- 1.3 Communicate internally in a cohesive and effective manner.
- 1.4 Advocate for the Association and its members.

2

Profession Goal

To promote and advance the value of applied geology for the public good

Objectives

- **2.1** Improve the utility and visibility of the AEG professional network.
- 2.2 Offer professional development opportunities.

3

Membership Goal

To provide applied geology professionals a place to thrive personally and professionally

Objectives

- Provide membership benefits designed around members' needs, expectations and values.
- 3.2 Engage applied geologists, non-renewing past members and graduating student members to begin or continue their AEG membership and involvement.
- 3.3 Create opportunities for volunteer leadership, growth, and engagement.



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Georamblings on PFAS

By Joshua Hanks, P.G.

Many of us in the environmental industry have been keeping a close eye on developments regarding the group of chemicals known as per— and polyfluoroal-kyl substances (PFAS). Studies have found that PFAS are very persistent in the environment and are used in not only industrial processes but common consumer products. PFAS can be found in many every day products including but not limited to food packaging, stain— and water— repellent fabrics, non-stick products, and fire fighting foams.

As residents of North and South Carolina, we have seen the impacts of PFAS in the form of GenX originating from the Chemours' facility in Fayetteville, NC. While the EPA is evaluating the need for an MCL for common PFAS, an abundant number of sites have been identified across the country with PFAS contamination. The Environmental Working Group has created an interactive map showing how widespread these sites are which is linked here: https://www.ewg.org/interactive-maps/2017 pfa/.

The interactive map as shown on the newsletter cover and linked above shows that chronic PFAS exposure is a potential risk for many parts of the country. On January 14, 2019, a bill was introduced by U.S. Representatives Debbie Dingell, Dan Kildee, and Fred Upton to designate all PFAS as hazardous substances under CERCLA. If enacted, this will allow the EPA to clean up PFAS sites and recoup the costs from responsible parties. Whether you are a consultant or government regulator, I believe this bill is worth paying attention to. More details on the proposed bill can be found here: https://cen.acs.org/policy/legislation-/US-lawmakersbill-trigger-cleanup-PFAS/97/i3.



Todd Elmore

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Day 1 Draft Agenda

Session Topic Time Presentation Speaker

7:00 - 8:00 am Registration

8:00 - 8:30 am Welcoming statements from GWPNC/ACEC.

	8:00	– 8:30 am Welcoming statements from GWPNC/ACEC.	
PFAS Introduction and Chemistry	8:30 – 9:00 am	PFAS introduction and which sites should be looking for them	Aaryn Jones, USEPA
	9:00 – 9:30 am	Analytical chemistry methods and sampling techniques	Elizabeth Denly, TRC
	9:30 – 10:00 am	Deeper dive into chemical analysis and a look at the wide range of chemicals we are finding	James McCord, USEPA
		30 minute break in Exhibit Hall	
	10:30 – 11:00 am	PFAS Occurrence	Lee Ferguson, Duke University
PFAS Fate & Transport and Remediation	11:00 – 11:30 am	Air Emissions/Deposition as a Potential Pathway to Groundwater Contamination	Steve Zemba, Sanborn Head (tentative)
	11:30 - 12:00 pm	PFAS Treatment Strategies: The old, new, and up and coming	Jeff McDonough, Arcadis
		1.5 Hour Lunch in Exhibit Hall	•
PFAS Toxicology, Risk Assessment & Risk Communication	1:30 - 2:00 pm	PFAS Toxicity	Jamie Dewitt, ECU
	2:00 – 2:30 pm	PFAS risk assessment and exposure considerations	Jennifer Arblaster, Geosyntec
	2:30 - 3:00 pm	PFAS risk communication	Johnsie Lang, USEPA
		30 minute break in Exhibit Hall	
Gen X in NC	3:30 – 4:00 pm	Academic research on GenX in NC	Detlef Knappe, NCSU
	4:00 – 4:30 pm	NCDEQ response to GenX in the Cape Fear River	Michael Scott, NCDEQ DWM and Mike Abraczinskas, NCDEQ DAQ
	4:30 – 5:00 pm	Legal discussion of the events in NC	TBD

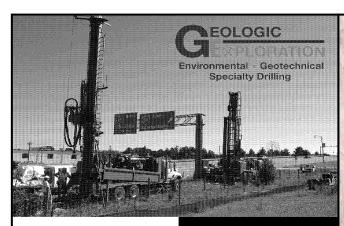
5:00 – 7:00 pm Poster Competition/Happy Hour in Exhibit Hall

Day 2 Draft Agenda

$8:00-8:30\ am\ Message\ from\ conference\ sponsor$

1,4-Dioxane	8:30 – 9:00 am	Intro to 1,4-Dioxane: Where do we find it and what are the concerns?	Hunter Anderson, AFCEC
	9:00 – 9:30 am	Chemical analysis, fate, and transport	Caitlin Bell, Arcadis
	9:30 – 10:00 am	In Situ and Ex Situ Treatment Technologies for 1,4-Dioxane	Brant Smith, Peroxychem
		30 minute break in Exhibit Hall	
Other Emerging Contaminants	10:30 – 11:00 am	Review of hot topics the SAB is reviewing: VI, TCE, 1,4-D, coal ash, hexavalent chromium, GenX	Sandy Mort, NCDEQ
	11:00 – 11:30 am	Vapor Intrusion (VI)	Kelly Johnson, NCDEQ
	11:30 – 12:00 pm	Role of bromide in disinfection byproducts formation in drinking water (non-traditional sources)	Amber Greune, Geosyntec
		1.5 Hour Lunch in Exhibit Hall	
Regulatory Considerations & Legal Insights	1:30 - 2:00 pm	TBD	TBD
	2:00 - 2:30 pm	Turning science into law – process for setting health-based exposure limits and opportunities to participate	Sean Sullivan, Troutman Sanders
	2:30 - 3:00 pm	A Lawyers perspective on the future of risk and liability	Ethan Ware, Williams Mullen

3:00 - 3:15 pm Closing Remarks



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Carolina Board Meeting Minutes 10-4-2018 from 5pm to 6pm—Conference Call By Jennifer Thomas—Secretary

- 1. Call to Order
- Roll Call: Jen Thomas, Jenn Bauer, Susan Avritt, Maddie German, Paul Weaver, Rick Kolb, Brad Isles, Jane Gill-Shaler, Josh Hanks; Anthony Herrmann and Adam Phillips came later
- 3. Carolinas Chapter Finances—Walt

A. As of October 3, 2018:

Checking = \$2,560

Savings = \$20,100

Paypal: \$200

Total = \$23,860

- B. Maddie to bring checkbook to Walt or Susan at GSO meeting. Susan discussed finances as Walt was not in attendance.
- 4. Upcoming Chapter Meetings
 - A . Octobre 18th—Jahns Lecturer—Deb Green
 - i. We'll go with the suggested menu at The Kitchen + Market. Susan, Rick, Jane, Paul, Maddie, Jenn Bauer, and Jen T. are coming. Brad is a maybe.
 - ii. Susan to bring cash box, card reader
 - iii. Rick will print and bring the sponsor poster.
 - iv. Upcoming events to advertise at the meeting include Jenn's landslide workshop, Field Day in Wilmington, and flyers for the 2019 annual meeting. Paul will print up the flyers. Rick suggested putting info on the back.

- v. No drink sponsor was confirmed. Rick has asked around.
- vi. We will promote membership by advertising that if you join now membership extends through 2019
- vii. We will also promote Carolinas scholarship. We will put the Feb 1 deadline for the scholarship on the slide. The Carolinas scholarship isn't on the national website prominently. We need to email Brad Isles who also works on the national website.
- B. Charlotte meeting
 - i. Organizer? We'll ask Jacob and Becca to organize. Jen T. can help but will have moved away by then.
 - ii. Jerry Stiredwalt is a potential speaker.
 - iii. We don't have a date yet.
 - iv. The meeting will be held at Draught again.
- 5. Field Day—Rick
 - A. UNCW field demo Oct. 27
 - B. We need helpers on rigs and field equipment. Steve Hudson of Gatlin may be able to help with personnel. Rick will make contact.

(Continued on Page 17)



(Continued from Page 18)

6. Jahns Lecturer

- A. Schedule is on the website calendar.
- B. Wednesday 10/17. ETSU, UNCA, WCU, Thursday: App State and meeting; Friday: Furman
- C. We should pay for meals and mileage.
- D. Promote Carolinas scholarship to students (maybe show website/link).
- E. Jenn B. is friends with Deb and will handle driving.

7. GEONews-Josh

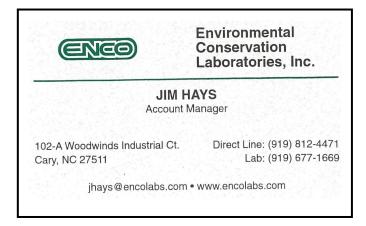
A. Josh needs articles, the calendar, meeting announcement, and scholarship page.

8. NCSTA (Charlotte, 11/29-12/1)

- A. OEST and OESE Awards—voted last time to sponsor both at \$250/each.
- B. NCSTA Conference—We are not going to have a booth this year, too expensive. We don't have a place to hand kits out from. We aren't going to do it this year.

9. Field Trips—Rohit

A. Rick is helping plan a coastal hazards trip for spring 2019. We will use the trip and Field Day to grow the Wilmington membership base. Rick will reach out to contacts and speak with Rohit.



- B. We will not do a fall/winter field trip since we are doing the annual meeting.
- 10. Membership—Anthony
 - A. Clemson is interested in starting a student chapter. Rick will discuss this with Anthony in more detail.

11. Sponsors—Eric and/or Becca

- A. We have more sponsors than average years. The Chair's company gets free sponsorship. Susan will send her info to Eric.
- B. There are a few minor updates to the sponsor trailer. We are having trouble receiving Covanta's check.

12. 2019 Asheville Meeting—Paul

- A. The next meeting will be the week of the 15th.
- B. Tour of meeting venue (Renaissance hotel) on 12/1 at 9am.
- C. Sponsor/Exhibitor work to begin immediately following 2018 annual meeting.
- D. Many people stopped by the booth in SF. There is a lot of excitement & interest about this meeting. Lots of sponsors from San Francisco are interested as well as the Northeast region. Our normal local sponsors will most likely want to be involved.



(Continued on Page 18)

(Continued from Page 17)

- 13. Carolinas Scholarship—Paul/Jane
 - A. Jane will make an advertisement for GeoNews
 - B. We plan to promote applications at October meeting and Jahns Tour to maximize application rate.
 - C. Student emails are current for as observed by Brad doing Visiting Professionals. Jane will prepare an announcement for an email blast and send it to Susan.
- 14. Visiting Professionals—Brad
 - A. Brad will reach out to Virginia Tech. He also suggested emailing the usual colleges and offering.

We should contact Radford and the local Schnabel location. He may speak with College of Charleston and try to resurrect the student chapter that faded after Briget left.

- 15. Social Activities—Adam/Rick
 - A. Adam and Rick will discuss Knights Play golf in Raleigh for a fall social.
 - B. We should target areas without dinner meetings.
- 16. We need to keep raising funds for the scholarships. We should be able to advertise it at the 2019 meeting. The next call will be in December 2018, before the January meeting.

Meeting Ended at 6pm Minutes Recorded by Jennifer Thomas





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Eastern Solutions is an environmental rental and field service support company. Our inventory continues to grow with new and updated equipment and supplies. The equipment rental services offers free pick-up and delivery 90 miles from Charlotte (includes but not limited to Greensboro, NC; Greenville, SC; Columbia, SC), whether it's to an office or your job site. If you are outside the 90-mile radius, we offer free ground to and from shipping (equipment is shipped in plastic crates with pre-printed return labels inside). We'd like to thank all of our existing clients for their continued support and welcome any new clients. If you are interested in hearing more about Eastern Solutions, please let us know and we would be more than happy to come out and visit.

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
- Large Selection of Vapor Points
- Carbon (Vapor/Water)



New Support Services

Based on our client's requests to expand our support services, Eastern Solutions now offers the following (Please note these services are for existing rental clients only):

- Bushoging and Heavy Clearing (i.e. Forestry Cutter)
- Small Excavations and Trenching
- Silt Fence Installation
- Minor Storm Water Repair
- Downhole Well Camera w/DVR Service
- Sewer Push Camera w/Locator Service
- Field Personnel Support
- AS/SVE System Support and Installation
- Equipment Calibration and Repair Services

4543 Charlotte Hwy, Suite 8 Lake Wylie, SC 29710

Rentals@EasterSolutionsEnv.com Main Office: 803.746.5180

CALENDAR OF EVENTS—2019

Geological Events in the Carolinas

Courtesy of AEG Carolinas Chapter—www.aegcarolinas.org. Last updated January 14, 2019 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: Thursday, January 31, 2019

<u>Event:</u> North Carolina Association of Environmental Professionals – Raleigh Winter Post-Holiday Social

2019

Cost: \$5 for members, \$10 for non-members

Time: 6:00 -8:00 pm

Location: Crank Army Brewing; 319 Davie Street,

Raleigh, NC 27691

Details/Registration: http://www.ncaep.org

Date: Monday, February 4, 2019

<u>Event:</u> NCWRA Luncheon, Forum, and Webinar – North Carolina Floodplain Mapping Program 2D Dam Inundation Studies and FIMAN (Flood Inundation

Mapping Alert Network)

<u>Time:</u> Meeting 11:30 am - 1:30 p.m.

<u>Location:</u> Jane S. McKimmon Center, Raleigh, NC <u>Details/Registration:</u> <u>www.ncwra.org/events</u>

Date: Thursday, February 7, 2019

<u>Event:</u> AEG Carolinas Winter Dinner Meeting
<u>Topic:</u> Latest and Greatest from NCDEQ on Risk Assessment

Time: 5:30 pm social begins, 7 pm buffet dinner, 8

pm presentation

<u>Location:</u> The Baxter Room at Dilworth Neighborhood Grille, 911 E Morehead St., Charlotte, NC <u>Cost:</u> Members \$40, Non-members \$45, Public Sector/Teachers \$20, Students free with college ID. <u>Details:</u> http://aegcarolinas.org/winter-dinner-members

meeting-february-7-2019/ Contact/RSVP: Rebecca Deal at

rdeal@harthickman.com by 6:00 pm on January 31,

2019

Date: Thursday, February 7, 2019

<u>Event:</u> Engineers Without Borders monthly meeting, Research Triangle Park Professional Chapter

Time: Meeting 6:30-8:00 p.m.

Location: Camp Dresser & McKee; 5400 Glenwood

Avenue, Suite 300, Raleigh, NC

Details: www.meetup.com/EWB-USA-RTP-

Professional-Chapter/

Date: February19 to 22, 2019

<u>Event:</u> North Carolina Association of Environmental Professionals – NC SAM Certification Training: Lec-

ture and Field

<u>Cost:</u> \$720 for members, \$745 for non-members <u>Location:</u> NCDOT Traffic Engineering Offices <u>Details/Registration:</u> http://www.ncaep.org Date: Thursday, February 21, 2019

Event: Meeting of South Carolina Association of Envi-

ronmental Professionals

Presentation: TBD (facebook.com/SCAEP.org)

Cost: Annual fee of \$35 (\$15 for students) includes

pizza, beer and soft drinks at all meetings Time: Social with food/beverages at 6:30 pm;

Meeting 7:00 pm

Location: Jim Hamilton-L.B. Owens Airport - 1400 Jim

Hamilton Boulevard, Columbia, SC Contact/RSVP: David Heicher at dheicher@dakotatechnologies.com

Date: Tuesday, February 26, 2019

Event: Engineers Without Borders project meeting,

Research Triangle Park Professional Chapter

Time: 6:30 -9:30 pm

<u>Location:</u> Kleinfelder Engineering; 3200 Gateway Centre Boulevard (Suite 100), Morrisville, NC <u>Details/Registration:</u> <u>www.meetup.com/EWB-USA-</u>

RTP-Professional-Chapter/

Date: March 5 to 8, 2019

<u>Event:</u> North Carolina Association of Environmental Professionals – Surface Water Identification and Training Course

Cost: \$825 for members, \$850 for non-members

<u>Location:</u> W.K. Dickson & Co. Inc., 616 Colonnade

Drive, Charlotte, NC 28205

<u>Details/Registration:</u> http://www.ncaep.org

Date: Thursday, March 7, 2019

 $\underline{\text{Event:}} \ \ \text{Engineers Without Borders monthly meeting,}$

Research Triangle Park Professional Chapter

<u>Time:</u> Meeting 6:30-8:00 p.m.

Location: Camp Dresser & McKee; 5400 Glenwood

Avenue, Suite 300, Raleigh, NC

Details: www.meetup.com/EWB-USA-RTP-

Professional-Chapter/

Date: Friday, March 15, 2019

Event: ASBOG Geology Exam

Details: Application deadline has past. Next exam will

be on Oct. 4, 2019.

Location: McKimmon Center, Raleigh, NC

Contact: www.ncblg.org

(Continued on Page 21)

GeoNews—Page 21 GeoNews—News of the Profession

WINTER 2018

(Continued from Page 20)

Date: Thursday, March 21, 2019

Event: Meeting of South Carolina Association of Envi-

ronmental Professionals

<u>Presentation:</u> TBD (<u>facebook.com/SCAEP.org</u>)

Cost: Annual fee of \$35 (\$15 for students) includes

pizza, beer and soft drinks at all meetings Time: Social with food/beverages at 6:30 pm;

Meeting 7:00 pm

Location: Jim Hamilton-L.B. Owens Airport - 1400 Jim

Hamilton Boulevard, Columbia, SC Contact/RSVP: David Heicher at dheicher@dakotatechnologies.com

Date: March 28-29, 2019

Event: AEG Foundation Shlemon Specialty Confer-

ence

<u>Abstract Deadline:</u> January 15, 2019 Details: www.aegfoundation.org

Location: UNLV Campus, Las Vegas, Nevada

Contact/RSVP: John H. Peck at peckj1@djuno.com

and Gary Luce at lucegc@chart.net

Date: March 28-29, 2019

Event: Annual Meeting of the Geological Society of

America, Southeastern Section

Abstract Deadline: December 4, 2018

Hotel Registration Deadline: February 26, 2019

<u>Details:</u> http://www.geosociety.org/GAS/Events/ Section Meetings/GAS/Sections/se/2019mtg /

home .aspx

Location: Francis Marion Hotel; 387 King Street,

Charleston, South Carolina 29403

Date: Thursday, April 4, 2019

Event: Engineers Without Borders monthly meeting,

Research Triangle Park Professional Chapter

Time: Meeting 6:30-8:00 p.m.

Location: Camp Dresser & McKee; 5400 Glenwood

Avenue, Suite 300, Raleigh, NC

<u>Details:</u> <u>www.meetup.com/EWB-USA-RTP-</u>

Professional-Chapter/

Date: Thursday, April 18, 2019

Event: Meeting of South Carolina Association of Envi-

ronmental Professionals

<u>Presentation:</u> TBD (<u>facebook.com/SCAEP.org</u>)

Cost: Annual fee of \$35 (\$15 for students) includes

pizza, beer and soft drinks at all meetings

Time: Social with food/beverages at 6:30 pm;

Meeting 7:00 pm

Location: Jim Hamilton-L.B. Owens Airport – 1400 Jim

Hamilton Boulevard, Columbia, SC Contact/RSVP: David Heicher at dheicher@dakotatechnologies.com Date: Tuesday, April 23, 2019

Event: Engineers Without Borders project meeting,

Research Triangle Park Professional Chapter

Time: 6:30 -9:30 pm

<u>Location:</u> Kleinfelder Engineering; 3200 Gateway Centre Boulevard (Suite 100), Morrisville, NC

<u>Details/Registration:</u> <u>www.meetup.com/EWB-USA-</u>

RTP-Professional-Chapter/

Date: June 8 - 14, 2019

Event: AEG Grand Canyon Field Trip

Location: Flagstaff, Arizona

Costs: \$3,470.00 per person, not inclusive of travel to

and accommodations within Flagstaff.

<u>Details:</u> https://www.aegweb.org/events/
EventDetails.aspx?id=1054496&group=

(Continued from Page 22)

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.....

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(Continued from Page 21)

Date: September 17 - 21, 2019 Event: AEG 62nd Annual Meeting

Location: Renaissance Asheville Hotel; 31 Woodfin

Street, Asheville, NC

Costs: TBD

<u>Contact:</u> Heather Clark (<u>heather@aegweb.org</u>)

Details: https://www.aegannualmeeting.org/about

Date: September 14-19, 2020Event: AEG Annual Meeting Location: Portland, Oregon

Costs: TBD

Contact: Heather Clark (heather@aegweb.org)





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Doug Canavello, P.C., M.B.A Er

Eric Cross, P.G.





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

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ALD

AEG CAROLINAS CHAPTER – SPONSOR INFORMATION

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.

Our sponsors provide the financial support that allows us to have reasonably priced dinner meetings, host seminars, provide discounted dinner meeting costs for students and teachers, underwrite the cost of newsletters and our web site, provide geosciencementors for students and young professionals, and support science education tools to our teachers and in our schools. All costs listed below are per year and end in December. New sponsorships received after October will continue to December of the following year.

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Email Announcements: Listing of your company name on each AEG Carolinas Chapter email announcement (our email list is currently over 1,000 people)

Web Page: Acknowledgement on the AEG Carolinas Chapter Web Page, www.aegcarolinas.org, with a link to yoursite.

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Web Page: Acknowledgement on the AEG Carolinas Chapter Web Page, www.aegcarolinas.org, with a link to your site.

Platinum Sponsor (\$550):

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Meetings: Listing on a Sponsor Poster, located at sign intable. Verbal acknowledgement by name in Chairman's introductory comments.

Meeting Exhibit: Space for tabletop display at three meetings. Cost of meeting waived for one person on the exhibit date. Email Announcements: Listing of your company name on each AEG - Carolinas Chapter email announcement (our email list is currently over 1,000 people)

Web Page: Acknowledgement on the AEG Carolinas Chapter Web Page, www.aegcarolinas.org, with a link to yoursite.

Titanium Sponsor (\$650):

Same as Platinum, but with a FULL PAGE ad in GeoNews. Limited to 2 Sponsors per year.

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Please complete the form below and mail to Walt Plekan, AEG Carolinas Sponsorship Chair. Please call or email if you have any questions (contact information below).

AEG Carolinas Chapter Sponsorship Form

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