



AIPG GEORGIA SECTION

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Scott Nilsson – West Georgia student chapter
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Logan Moore – University of North Georgia student chapter
Mallory Paulk – Berry College student chapter

April 2017

NEXT MEETING

7th Conference on: Innovative Environmental Assessment and Remediation Technology

When: Tuesday-Wednesday, April 18-19, 2017

Where: Kennesaw State University, Continuing Education
3333 Busbee Drive, GA 30144

Go to the web site at: <http://georgiaaipg.weebly.com/>

PRESIDENTS MESSAGE

In the last week we have pulled together most of the details on our conference where we have a full schedule of speakers thanks to Yo Sumartojo. We are still adding a few exhibitors and we would like to sign up more sponsors. I asked Dakota Technology for help in interpreting Laser Induced Fluorescence (LIF) for the Georgia EPD Underground Storage Tank Program and Randy St. Germain will be speaking on the subject. We have two speakers from the EPD that will discuss changes on the receptor survey and the new risk-based approach the program will be implementing in the next few months. Because we think this is a very important conference that our members should attend we reduced the cost for them. We have invited the EPD staff so this will give you a chance to meet many of them. There will also be a get together afterwards on the first day at Red Hare Brewery.

Since the last newsletter I visited University of North Georgia and spoke briefly to the students. I visited Berry College and meet Dr. Ed Harvey, the 2017 Birdsall-Dreiss Distinguished Lecture. This past week I took two members of the EPD to Athens where we met UGA students and visited two remediation sites. I would like to thank B.J. Wagner with S&ME and Deepak Mandavia with EnviroPro for leading the discussion at each site.

On March 30 - 31, 2017, we will have a booth at GSA Southeastern Conference in Richmond, VA. Mike Lawless from Virginia and past AIPG National President and I are co-chairing a session on "Geoscience Careers for New Geoscience Graduates". If you are a student member, please come by our booth.

April 11, 2017, we will have a drilling demonstration at Columbus State University.

The 2017 AIPG National Conference will be in Nashville, TN September 23-26, 2017.

UNIVERSITY OF GEORGIA VISIT

On March 21, 2017, drove to Athens to show UGA students an air sparge/soil vapor extraction (AS/SVE) remediation system then a multi-phase extraction remediation system. We had the consultants that operated the two sites and they explained to the students the history of the sites and operation of the systems.



B. J. Wagner in the middle explaining the system



Talking about the history of the site



This was a much larger remediation compound



Showing the students a recovery vault

AIPG GEORGIA SECTION SCHOLARSHIP WINNERS

- Georgia Southern – Ryan Diederich
- Columbus State – Ryan Lloyd
- University of Georgia – Cason Dowdy
- Georgia State – Harrison Bohannon
- Georgia Southwestern State – Shayna Turner
- West Georgia – Heather Alley
- University of North Georgia – Logan Moore
- Berry College – Mallory Paulk



American Institute of Professional Geologists (AIPG) Georgia Section Presents:

7th Conference on: Innovative Environmental Assessment and Remediation Technology (April 18 & 19, 2017)

Dear professional colleagues:

By participating in the **Seventh AIPG Innovative Environmental Conference** you can earn up to **14 CEU's** for a price of **\$100 (AIPG Members)**.

Looking forward to seeing all of you again soon!

<http://georgiaaipg.weebly.com/>



- Hear discussions on the latest technology regarding environmental assessment and remediation given by regulators, engineering and geological consultants, attorneys, etc.
- View the latest technologies with multiple vendor exhibitors to help you assess your remediation needs.
- Meet potential clients, contractors, government regulators, university professors, service providers, and old friends.
- Funds raised are used to support our AIPG student chapters and award eight student scholarships to students in Georgia.

Topics of discussion include:

- EPD regulators from the UST program discussing new risk based corrective action and new receptor survey
- Vapor Intrusion - Assessment, Evaluation, Regulations, Lessons Learned, Construction Issues, etc.
- Delineation of LNAPL using *Laser Induced Fluorescence (LIF) Technologies*
- In-situ remediation techniques utilizing surfactants and soil amendments
- LNAPL remediation in clay-rich lithology
- Various studies involving remediation techniques using chemical oxidation technologies.
- Practical project management topics regarding insurance and safety

**American Institute of Professional Geologists (AIPG) Georgia Section
Seventh Conference On: "Innovative Environmental Assessment and Remediation Technology", April 18 - 19, 2017
Kennesaw State University, Continuing Education, Kennesaw, Georgia 30144**

April 18 - Morning Session

7:45 AM - 8:30 AM		Breakfast, sponsored by GeoLab Drilling		Registration and Continental Breakfast	
8:30 AM - 8:40 AM				Welcome and Opening Remarks: Ron Wallace, PG	
8:40 AM - 9:00 AM	1	<p><i>Use of electrolytes to control colloidal dispersion caused by anionic surfactants used for NAPL remediation in clay-rich lithologies, a proven strategy to maintain effective porosity</i></p> <p>Questions and Answers</p>	<p>David M. Goodrich, PG, President, dave.goodrich@ecovacservices.com EcoVac Services, Inc. 105 Weatherstone Drive, Suite 610 Woodstock, GA 30188 (770) 592-1001; (770) 592-1801 (fax); www.ecovacservices.com</p>		
9:00 AM - 9:10 AM					
9:10 AM - 9:30 AM	2	<p><i>Conducting large-scale vapor intrusion studies, lessons learned and new techniques to help improve the process</i></p> <p>Questions and Answers</p>	<p>Jim Fineis, PG jimfineis@atlas-geo.com Atlas Geo-Sampling Company 120 Nottaway Lane Alpharetta, GA 30009 (770) 883-3372; (770) 456-5064 (fax)</p>		
9:30 AM - 9:40 AM					
9:40 AM - 10:10 AM		Break, sponsored by: Atlas Geo-Sampling			
10:10 AM - 10:30 AM	3	<p><i>Optimizing In Situ Remediation Amendments using Innovative Surfactant System Formulations</i> (co-authors: Gary Birk, PE (gary.birk@tersusenv.com); Jeffrey H. Harwell, Ph D (jharwell@ou.edu); Mark Hasegawa, PE (mark.h@hasegawa.ca))</p> <p>Questions and Answers</p>	<p>David F. Alden, PE david.alden@tersusenv.com Technical Associate, Tersus Environmental, LLC 1116 Colonial Club Rd Wake Forest, NC 27587 (919) 453-5577; (919) 523-6233 (cell.); www.tersusenv.com</p>		
10:30 AM - 10:40 AM					
10:40 AM - 11:00 AM	4			<p>Edward Tung etung@mkenv.com MK Environmental 765 Springer Drive Lomard, IL 60148 630-848-0585 Direct</p>	
11:00 AM - 11:10 AM					
11:10 AM - 11:30 AM	5	<p><i>Management of pH in Acidic Aquifers during In Situ Bioremediation in the Southeast, USA</i> (co-author: Bilgen Yuncu)</p> <p>Questions and Answers</p>	<p>Brad Elkins, MS, PG belkins@eosremediation.com Technical Sales & Support, EOS Remediation, LLC 1101 Nowell Road, Raleigh, NC 27607 (919) 873-2204, Ext. 173; (919) 602-6619 (cell.) (919) 873-1074 (fax); www.eosremediation.com</p>		
11:30 AM - 11:40 AM					
11:40 AM - 1:00 PM		<p>Lunch presentation Caryl Orr The Future of the EPA?</p>		<p><i>President Earth Resource Systems, LLC</i> 805 Ashland Drive Tuscaloosa, AL earthresourcesystems.com</p>	

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April 18 - Afternoon Session

1:00 PM - 1:20 PM	6	<p><i>Increasing Rainfall Variability in the Atlanta Area, Site Assessments and Remediation</i></p> <p style="text-align: right;">Questions and Answers</p>	<p>Peter T. Kallay, PE, PG atlantaenviro@cs.com Atlanta Environmental Consultants 3440 Blue Spring Road, Suite 503 Kennesaw, GA 30144 (770) 529-0386; (678) 569-2419 (fax); www.AtlantaEnviro.com</p>
1:20 PM - 1:30 PM			
1:30 PM - 1:50 PM	7	<p><i>Vapor Intrusion Mitigation Trends & Technologies for Brownfield Redevelopment</i></p> <p style="text-align: right;">Questions and Answers</p>	<p>Jordan Kleine jkleine@landsciencetech.com Southeast US District Manager Atlanta, GA (470) 218-5728</p>
1:50 PM - 2:00 PM			
2:00 PM - 2:30 PM		Break, sponsored by: ESC	
2:30 PM - 2:50 PM	8	<p><i>Multi-Site Performance Review of Liquid Activated Carbon for Groundwater Treatment</i></p> <p style="text-align: right;">Questions and Answers</p>	<p>Chad Northington cnorthington@regenesisis.com Southeast US Technical Manager, REGENESIS® Tallahassee, FL</p>
2:50 PM - 3:00 PM			
3:00 PM - 3:20 PM	9	<p><i>Enhanced Amendment Enforcement Best Practices to Ensure Contact with Contaminants and Successful Remediation</i> (co-authors: Steve Chen, PE, Deborah Schnell, PE and Eliot Cooper)</p> <p style="text-align: right;">Questions and Answers</p>	<p>Robert Kelley, PhD rkelley@cascade-env.com Cascade Environmental 251 NC Highway 24 27 W, Midland, NC 28107 (704) 888-5376, Ext. 2708; (908) 510-3835 (cell.)</p>
3:20PM - 3:30 PM			
3:30 PM - 3:50 PM	10	<p><i>Understanding the Insurance Requirements in Contracts</i> (co-author: Shelbe Zimmerman, ARM, CPCU: shelbe.zimmerman@millseis.com)</p> <p style="text-align: right;">Questions and Answers</p>	<p>Patricia Mills, CLU, FLMI, ALHC patricia.mills@millseis.com Owner/President, Mills Environmental Insurance Services, LLC 4411 Suwanee Dam Road, Suite 410, Suwanee, GA 30024 (770) 932-1229; (404) 443-0649 (fax); www.millsEIS.com</p>
3:50 PM - 4:00 PM			
4:00 PM - 4:20 PM	11	<p><i>Safety Awareness/ Planning and Implementation Real Life Lessons Learned</i></p>	<p>Christopher B. Brown, P.G. cbbrown@smeinc.com Senior Project Manager 3380 Town Point Drive, Suite 140 Kennesaw, GA 30144 770-919-0996 phone 770-919-2360 fax</p>
4:20 PM - 4:30 PM			
4:30 PM		Adjourned for April 18 - Session	Reception at Red Hare Brewery (immediately following)

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April 19 - Morning Session

		Breakfast	Registration and Continental Breakfast
7:30 AM - 8:30 AM			
8:30 AM - 8:40 AM			Welcome and Opening Remarks: Ron Wallace, PG
8:40 AM - 9:00 AM	12	<i>Identification and Delineation of NAPLs using Laser Induced Fluorescence Technologies</i>	Randy St. Germain President, Dakota Technologies, Inc. stgermain@dakotatechnologies.com 2201-A 12th St N, Fargo, ND 58102 (701) 237-4908
9:00 AM - 9:10 AM		Questions and Answers	
9:10 AM - 9:30 AM	13	<i>Identification and Delineation of NAPLs using Laser Induced Fluorescence Technologies</i> (continued)	same as above
9:30 AM - 9:40 AM		Questions and Answers	
9:40 AM - 10:10 AM		Break, sponsored by: Dakota Technologies	
10:10 AM - 10:30 AM	14	<i>Identification and Delineation of NAPLs using Laser Induced Fluorescence Technologies</i> (continued)	same as above
10:30 AM - 10:40 AM		Questions and Answers	
10:40 AM - 11:00 AM	15	<i>Identification and Delineation of NAPLs using Laser Induced Fluorescence Technologies</i> (continued)	same as above
11:00 AM - 11:10 AM		Questions and Answers	
11:10 AM - 11:30 AM	16	<i>EISB Treatment of Chloroform in Fractured Bedrock via a Recirculation Pilot System</i>	Benjamin K. Amos, PhD, PE bamos@geosyntec.com Senior Engineer, Geosyntec Consultants, Inc. 1255 Roberts Boulevard, NW, Suite 200 Kennesaw, GA 30144 (678) 202-9597; (678) 386-9507
11:30 AM - 11:40 AM		Questions and Answers	
11:40 AM - 1:00 PM		Lunch, sponsored by	

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April 19 - Afternoon Session

1:00 PM - 1:20 PM	17	<i>Landfill Discussion (Title TBD)</i>	Cal Johnson cjohnson@oasis-cs.com Landfill Gas Specialist/Energy Specialist Oasis Consulting Services 45 Woodstock Street Roswell, GA 30075 678-485-6077
1:20 PM - 1:30 PM		<i>Questions and Answers</i>	
1:30 PM - 1:50 PM	18	<i>ISCO Technologies (Title TBD)</i>	Ken Summeror and Dr. Dan Cassidy ksummerour@eriskinc.com
1:50 PM - 2:00 PM		<i>Questions and Answers</i>	
2:00 PM - 2:30 PM		Break, sponsored by: EM Services	
2:30 PM - 2:50 PM	19	<i>Update on USTMP</i>	Lon Revall lon.revall@dnr.ga.gov Program Manager Underground Storage Tank Management Program, Georgia EPD 4244 International Parkway, Suite 104, Atlanta, GA 30354 (404) 362-2582; (404) 362-2654 (fax)
2:50 PM - 3:00 PM		<i>Questions and Answers</i>	
3:00 PM - 3:20 PM	19	".....and the Survey says?"	Steven Wilson steven.wilson@dnr.ga.gov Advanced Geologist Corrective Action Unit II Underground Storage Tank Management Program, Georgia EPD 4244 International Parkway, Suite 104, Atlanta, GA 30354 (404) 362-4528; (404) 362-2654 (fax)
3:20 - 3:30 PM		<i>Questions and Answers</i>	
3:30 PM - 3:50 PM	20	"Gee, RBCA, where have you been?"	Same as above
3:50 PM - 4:00 PM		<i>Questions and Answers</i>	
4:00 PM - 4:15		Wrap-up, Conference Evaluation, Suggestions	Adjourned

Georgia Environmental Social /Networking Event

Event



Sponsored by:



In Conjunction with:



GEORGIA CHAPTER



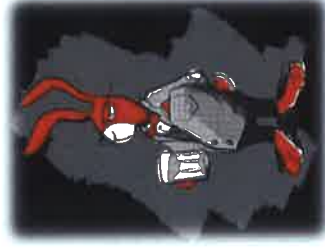
Purpose: To provide networking and outreach opportunities to to environmental groups and professionals in Georgia.

Place: Red Hare Brewery*

Date: April 18th, 2017, 6-9pm (Right After AIPG Conference)

RSVP by April 14th at one of the following:

bshinall@fruits-us.com, David.Anthony@pacelabs.com, jimfineis@atlas-geo.com, or wbarnett@pine-environmental.com



*Red Hare Brewery is located at 1998 Delk Industrial Blvd, Marietta, GA 30067

Games!!! Food!!! & Free Beer Tastings!!!

FEDERAL DOCUMENTS

Priorities of House Science, Space, and Technology Committee announced

On February 1, the Chairman of the House Committee on Science, Space, and Technology, Congressman Lamar Smith (R-TX-21), announced the committee's priorities for the 115th Congress. This list of wide-ranging priorities includes Department of Energy (DOE) research program reforms, cybersecurity issues, National Aeronautics and Space Administration (NASA) programs, and Environmental Protection Agency (EPA) research practices.

The priorities list calls for the DOE to prioritize basic research through investments in user facilities and research infrastructure. Another committee agenda task is to enact key reforms at DOE national labs to enhance partnerships with private companies. The committee will prioritize spending restrictions for DOE commercialization programs, including loan guarantees and subsidies. The committee held a hearing to assess the DOE loan guarantee program on February 15.

Rep. Smith stated the committee's intent to reinvigorate NASA with "bold exploration objectives". The committee will focus on projects such as the Space Launch System, which is capable of launching both humans and satellites into space. The committee held a hearing on the history and future of NASA on February 16.

Congressman Smith outlined plans to reform science at the EPA. On February 7 the committee held a hearing entitled "Making the EPA Great Again." In the hearing, Chairman Smith proposed the committee revisit the Science Advisory Board Reform Act and the Secret Science Reform Act to increase scrutiny over the EPA's use of science and data. On February 28 the committee held a hearing to investigate the social cost of carbon and to determine if regulations based upon this cost are appropriate.

Proposed law to investigate ocean acidification

Rep. Salud Carbajal (D-CA-24) introduced the Ocean Acidification Research Partnerships Act (H.R.845) to investigate ocean acidification on February 3.

Ocean acidification has a negative impact upon marine foodstocks, such as crustaceans and mollusks, whose shells dissolve and have trouble growing in more acidic waters.

This bill would authorize the National Oceanic and Atmospheric Administration (NOAA) to distribute \$5 million in research grants annually through 2022 for collaborative projects between the seafood industry and academia to investigate and raise awareness of the affects of ocean acidification.

Grants are to research how ocean acidification affects the seafood industry. Initial research will identify the communities and ecosystems that ocean acidification affects.

House bill introduced to eliminate Environmental Protection Agency programs

On February 7, Rep. Sam Johnson (R-TX-3) introduced the Wasteful EPA Programs Elimination Act (H.R.958) which will eliminate multiple programs at the Environmental Protection Agency (EPA).

H.R.958 would defund 13 EPA programs, close all EPA field offices, and require the EPA to sell/lease “under-utilized” properties. The bill also acts to eliminate all EPA grant programs, the National Clean Diesel Campaign, and environmental justice programs. The EPA Greenhouse Gas Reporting Program, Climate Resilience Fund, Climate Resilience Evaluation Awareness Tool, Green Infrastructure Program, and Climate Ready Water Utilities Initiative are directed to be defunded under this bill. EPA climate research, ozone standard development, and greenhouse gas emission regulations for vehicles and power plants are also directed to be defunded under this bill.

Rep. Johnson cites a Heritage Foundation estimate that these actions would save \$7.5 billion in expenditures over 10 years.

The bill was referred to the following committees: House Committee on Energy and Commerce, House Committee on Transportation and Infrastructure, House Committee on Agriculture, House Committee on Science, Space, and Technology, and the Subcommittee on Water Resources and the Environment.

House Committee holds hearing on ‘Making the EPA Great Again’

On February 7, the House Science, Space, and Technology Committee held the “Making EPA Great Again” hearing. In his opening statements, Chairman Lamar Smith (R-TX-21) expressed his disapproval of the current use of scientific research at the Environmental Protection Agency (EPA). Ranking member Eddie Bernice Johnson (D-Texas) stated her disappointment that the first committee hearing of this year was focused on attacking the EPA’s scientific processes.

Four witnesses testified during the hearing: Jeffrey Holmstead, an attorney and former EPA official; Kimberly White, of the American Chemistry Council (ACC); Richard Belzer, a cost-benefit analysis consultant; and Rush Holt, CEO of the American Association for the Advancement of Science (AAAS).

The witnesses’ testimonies on science at the EPA lead to a discussion of two bills introduced in the 114th Congress. The first bill, the Secret Science Reform Act (H.R.1030), would mandate that all EPA science and scientific data would be reproducible and available for public review. The second bill, the EPA Science Advisory Board Reform Act (H.R.1029), would broaden the “political diversity” of members on the EPA Science Advisory Board. The board, says Chairman Smith, has become a “rubber stamp” for EPA’s regulations and does not critically assess these rules.

In addition to raising these concerns, witnesses testified upon other EPA procedures. Kimberly White testified that the EPA’s chemical assessment procedures are in need of reassessment. Richard Belzer stated the concern that the EPA often overestimates the human health costs of pollution.

In contrast to these testimonies, Rush Holt testified in support of EPA science, and the EPA's current role in societal concerns. In his opening statement, he called for "reverence for evidence in our policymaking." Dr. Holt testified that the scientific process, the process the EPA utilized, has positively served the nation, and should not be reformed for political gain. He stated that proposed reforms would hinder this process and the ability of the EPA to efficiently issue effective and current regulations.

These opinions on scientific evaluation processes remain a theme in the current committee, and were revisited at its hearing on the Social Cost of Carbon.

Senators introduce Volcano Warning and Monitoring bill

Senators Lisa Murkowski (R-AK), Maria Cantwell (D-WA), and Mazie Hirono (D-HI) introduced a bill to establish a National Volcano Early Warning and Monitoring System (S.346) on February 8. Lava flows, toxic gasses, mudslides, and large ash plumes from volcanoes pose a significant health and economic hazard.

S.346 acts to strengthen and unify existing volcano monitoring systems, such as the Alaska, Cascades, Hawaiian, Yellowstone, and California volcano observatories, into the National Volcano Early Warning System. The national monitoring system would strengthen observatory monitoring and warning capabilities.

The bill directs the U.S. Geological Survey (USGS) to create a plan to upgrade existing networks and create new networks that utilize state of the art volcano sensing equipment. The bill includes appropriated funds for the monitoring plan through fiscal year 2027.

Sen. Cantwell, who co-sponsored this bill, believes it will fill a gap in current volcanic monitoring and understanding, which will enable scientists to better protect U.S. citizens from the effects of these devastating hazards.

To contact Eric Lowe:
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