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Visit the PAEP website: www.paep.org



The Pennsylvania Association of Environmental Professionals

PAEP Newsletter

Fall 2003

2004 PAEP Conference is Taking Shape!!

Planning continues for the PAEP 2004 Conference to be held June 9-11 at Seven Springs Mountain Resort. Three technical tracks have been identified. The first will deal with Environmental Management Systems/ISO 14000. Natural Resource issues will be the focus of the second, and Legislation/Policy will round out the conference. Technical session topics as well as potential speakers are currently being identified.

Be sure to look in future newsletters for articles detailing the content of each the three technical tracks, as well us updates for tours and other activities associated with the conference.

Come out for the education, networking opportunities, the annual golf outing and to enjoy the many amenities at the fine Seven Springs Resort.

SEVEN SPRINGS

MOUNTAIN RESORT CHAMPION, PA., 15692

Hope to see you there!

Help Create the Pennsylvania Biodiversity Conservation Plan!

The Pennsylvania Biodiversity Partnership (PBP)*
Invites PAEP Members
to Assist in Developing a Statewide Plan for Natural Resources

This is an opportunity for environmental professionals to have input in developing this comprehensive statewide plan and to learn more about it! The Pennsylvania Biodiversity Conservation Plan needs your opinions, expertise, and professional experience. All focus group participants will receive a copy of Biodiversity in Pennsylvania: Snapshot 2002.

Meeting Place: URS Corporation Office in Blue Bell, 1400 Union Meeting Road, Suite 202, Blue Bell, PA 19422

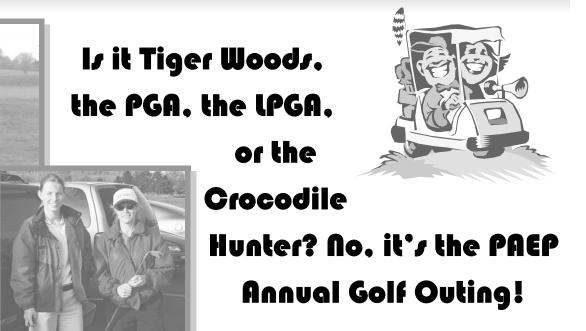
Masting Data and Times October 4, 2002 for

Meeting Date and Time: October 1, 2003 from 4:30 to 6:30 pm

Note: The focus group will be limited to 20 people, so please RSVP early! Please RSVP to Katie Eberhart@urscorp.com or call her at 215-619-4133.

*PBP is a public-private partnership dedicated to increasing awareness of the importance of biodiversity conservation in Pennsylvania. PBP's mission is to conserve biodiversity statewide by promoting communication and cooperation among a broad spectrum of stakeholders. Presently one of PBP's present major efforts is to coordinate the creation of the Pennsylvania Biodiversity Conservation Plan. In an effort to involve as many stakeholders as possible in developing this plan, PBP is hosting a series of focus groups throughout the state. For more information about PBP, visit their website (www.pabiodiversity.org).

PAEP Newsletter Fall 2003 Page I



At the Spring Conference, the few, the proud, the PAEP members, trekked to Sportsman's Golf Course for the annual golf outing. The group had guite an adventure. Brian Zerebiec, with the McTish foursome, had the longest drive for the day. Numerous door prizes and awards were presented. The award for most adventurous should go to Rich Pugh. We are not sure how well his golf game is, but he could definitely give the Crocodile Hunter a run for his money at catching snakes. We are happy to report that there were no major injuries (although cursing, swimming, and throwing clubs were prevalent). Everyone had a great

time. Start organizing your foursome now for the next outing at Seven Springs this coming summer.

Pictured Above: Top Left: Rich "Crocodile Hunter" Pugh examines his catch. Top Right: Kelly Caldwell (left) and Amy Gonzales (right) prepare to golf or ski? Middle Left: Gretchen Yarnell ponders her upcoming golf strategy. Middle Right: The entire PAEP Golf Contingent Bottom Right: Bill Zemaitis checks his cart twice for the ball he lost somewhere

between holes 6 and 9 while Ted Fridirici laughs.



Page 2 **PAEP Newsletter**

PAEP Offers 4-Day Short Course: "Bog Turtles and the Environmental Review Process in Pennsylvania - What Consultants Should Know"

October 20th to the 23rd, PAEP will be holding its first ever short course. It will be a pilot program focusing on the bog turtle, a federally listed species that is getting much attention in recent years. PAEP General Members, Bill Zemaitis of Gannett Fleming and Jay Drasher of Agua-Terra have volunteered their time and are working very hard with course instructors, Carole Copeyon of the US Fish and Wildlife Service and Chris Urban of the PA Fish and Boat Commission. This will be a classroom and field experience that will

include testing to verify course effectiveness and confirm successful completion by students. As of September 10th, 21 of the 40 openings had been filled. The registration deadline for this course is October 3rd. If interested, please request course information and a registration by emailing paep@earthlink.net. PAEP thanks ... all involved for their hard work in making this pilot program a success.



GET INVOLVED WITH THE PAEP WEBSITE RENOVATION

PAEP is seeking volunteers to serve on the web-site committee and to aid in the redesign of the PAEP website. Suggestions and comments are welcome from



the general membership, however, joining the web-site committee is preferred. Look for changes in the next few weeks at www.paep.org and be a part of the revisions to our home page. Please contact web-site committee chairperson Brian Pancher at 724-981-0155 with your

comments and suggestions.

MEET OUR NEW BOARD MEMBER



Geanine Fair, employed by Camp, Dressler, and McKee, inc. has recently been appointed to the board. Geanine has been active in the Western Section on the FLOOME programs committee, and the is serving as chair on the Karl Mason Award Committee.

PAEP is sure to benefit from her enthusiasm and continued participation. Congratulations Geanine and Welcome Aboard! The PAEP would like to also thank Silvana Bastin for her past contributions to the board in this role.

Paep Wants



The PAEP Board of Directors will be holding its annual election and we are seeking enthusiastic candidates for board positions! Being a PAEP Board member

is an opportunity to help determine the growth and direction of PAEP and strengthens your network of fellow environmental professionals.

Board members serve 2-year terms by participating in monthly Board meetings, helping to organize programs, and voting on critical issues related to PAEP's position as the premier environmental organization in Pennsylvania. This year, four (4) Board of Director positions and many important committee opportunities are available.

If you are interested in a more active participation in your please email Mark Fedosick organization. (mfedosick@msconsultants.com) the information between October 6 and November 7, 2003:

Education: Total of 3 lines available.

Experience: Total of 5 lines available summarizing your work experience and/or specialty.

Goals for PAEP: Total of 8 lines summarizing where you would like to focus your energy as a PAEP Board member.

Photo: (digital headshot preferred)

The information will be included on our 2003 election ballot and distributed to the General Membership in November, with results announced December 14th. Successful candidates will take office on January 1, 2004. Please consider a more direct role in your organization.

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REGULATORY UPDATE PROGRAM FROM PADEP AND USACOE



On July 25th, PAEP Eastern Chapter teamed with the Society of Women Environmental Professionals (SWEP) Greater Philadelphia Chapter to host the second annual U.S. Army Corps of Engineers (USACOE)/Pennsylvania Department of Environmental Protection (PADEP) Regulatory Update Program. Over 60 members from both organizations attended the program. The speakers for the program were Ken Anderson of PADEP's Southeast Regional Water Management Division and Dick Hassel of the USACOE Philadelphia District Regulatory Branch.

Ken Anderson's topics of discussion included NPDES Phase II, natural channel design, designs for culverts and bridges, and wetland mitigation monitoring reports. He began by discussing NPDES Phase II and by emphasizing that any "...Post Construction Stormwater Management (PCSWM) Plan should be designed to maximize infiltration BMP technologies, eliminate (where possible) or minimize point source discharges to surface waters, preserve the integrity of stream channels, and protect the physical, biological and chemical qualities of the receiving surface water." His natural stream channel design discussion focused on the design consultants closely evaluating all regulations. He reinforced that Pictured Left to Right—Beth Hyde (SWEP), for both the NPDES and the natural stream channel design, it is the applicant's responsibility to demonstrate to PADEP why the plan will work and to get their concurrence with the plan findings.



Dick Hassel (Corps), Kristin Civitella (Gannett Fleming/PAEP), Alana Bixler (Synergy Environmental/PAEP), Deborah Poppel (ENSR/PAEP), Ken Anderson (PADEP) Bill Zemaitis (Gannett Fleming/PAEP).

He followed with a discussion on the design for culverts and bridges in which: he recommended that the group evaluate specific regulations which refer to using a single pipe when dealing with a channel that is less than or equal to 15 feet in width; and, place abutments and footers into banks so as to not change the cross-section of the stream channel. He closed with discussions on wetland mitigation plans. He stated that many of the wetland mitigation monitoring reports PADEP receives either contain too much unnecessary detail or not enough pertinent information such as a topographic location map, a site plan, or a planting plan.

Dick Hassel discussed jurisdictional determinations, pre-application conferences, PASPGP-2 Permit, Regulatory Guidance Letter 02-2: wetland mitigation policy, compliance and enforcement. He stated that for all jurisdictional determinations consultants should place all "waters" on plans and label them accordingly as either "waters of the U. S.", "wetlands of the U.S.", or "non-federally regulated waters of the U.S.". Letters from the Corps will now include statements that an applicant must also contact the state and/or the municipality where the project is located.

The SWANCC case (Solid Waste Authority of Northern Cook County vs. U.S. Army Corps of Engineers) and the affect it has had on how the Corps regulates "waters of the U.S." was also discussed. As a result of SWANCC, the Corps is now regulating certain "ditches". Generally, upland ditches, wetlands within ditches, and swales are not regulated unless they connect to a tributary or stream, and have a defined bed & bank. In order for the Corps to take jurisdiction over a wetland, it must be adjacent to or connected to a creek, stream, or river. There must also be similarity and/or connectivity between a wetland and any adjacent creek, stream, or river. He urged consultants to set up preapplication meetings for large or very challenging projects. The Corps has pre-application meetings twice a month at PADEP's Harrisburg office. These special meetings may involve the other resource agencies which have influence in the issuance of the permit.



He stated that the PASPGP-2 Permit program will be coming under a mid-term review. He stated that his office does not deny many individual permit applications due to pre-application meetings that occur prior to the submittal of the application. Permit denial can be appealed. Mr. Hassel stated that his best recommendation when putting together an individual permit application is to provide a summary of the data collected.

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REGULATORY UPDATE PROGRAM FROM PADEP AND USACOE

Continued from Page 4

His next topic of discussion was Regulatory Guidance Letter 02-2 concerning the Corp's mitigation policy. He stated that the goal of this letter is "No Net Loss". He stated that the Corp recognizes that in some cases, mitigation is neither practical nor feasible. The USACOE is getting away from using ratios and is now using functional assessments to set performance standards. The Corp's preferred functional assessment method is the hydrogeomorphic method (HGM). This system requires that more technical information must be provided to meet all of the approved guidelines. Hopefully, this will result in higher-quality, successful mitigation sites.

He finished with a discussion on the USACOE Philadelphia District's policy on compliance and enforcement. He stated that enforcement actions are brought on to those who illegally fill "waters of the U.S.". Those who have not met their permit conditions or have violated their permit conditions are issued non-compliance notices. Mr. Hassel suggested adding environmental monitoring to contracts to ensure design criteria and permit conditions are met. In addition, compliance inspections by Corps staff will be instituted with the next year or two.

The following is a listing of the regulatory references provided during the seminar:

Regulatory Reference Corner

NPDES II References

PADEP SERO contact Stephen Burgo (610) 832-6084. www.dep.state.pa.us/dep/deputate/fieldops/stormwater.htm.

Natural Stream Channel Design

PADEP SERO contact is Allen Whitehead at (610) 832-6057

PA Code Title 25, Chapter 105, specifically subchapters 105.231; 105.242; and 105.243.

"Guidelines for Natural Stream Channel Design for Pennsylvania's Waterways" available at www.canaanvi.org/nscdguidelines..

Natural Stream Channel Design

www.vtwaterquality.org/riversgeo.htm

www.rivermorph.com/

www.aq.ohio-state.edu/~streams

www.bae.ncsu.edu/programs/extension/wgg/sri/rv-crs-1.pdf

THEO

Culvert and Bridge Design

PADEP SERO contact is Ken Anderson at (610) 832-6115

PA Code Title 25, Chapter 105, specifically Subchapters 105.151, 105.161(a)(1); 105.162, and 105.164.

"Design Manual for Culverts and Bridges", available at

www.dot.state.pa.us/bridge/standards/BD/bd2003.htm.

Jurisdictional Determinations

Contact the Corps office and talk to the Regulator of the Day for specific questions.

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Lamar Barnes – Lamar is a new Western Section general who holds a Master of Science degree in Urban and Regional Planning/Development from the University of Pittsburgh and is President of Barnes and Miles Global Community Development of Pittsburgh.

Anita D. Blackaby – Anita is a new Central Section general member who co-facilitated the Environmental Leadership Heritage Workshop with Wayne Kober at the 2003 Annual Conference. She has a Bachelor of Science degree in Art/Education and is Director of the State Museum of Pennsylvania at the Pennsylvania Historical and Museum Commission in Harrisburg.

Bruce Bayne – Bruce is a new Eastern Section general member who has Bachelor of Science and Master of Science degrees in Natural Resource. He is a Senior Wetland Scientist at URS in Blue Bell.

Ben Berra – Ben is a new Central Section general member who has Bachelor of Science and Master of Science degrees in Geoenvironmental Studies. He is an Environmental Scientist at Skelly & Loy in Harrisburg.

Charles J. Campbell – Charles is a new Central Section general member. He has a Bachelor of Science degree in Dairy Science from the Pennsylvania State University. Mr. Campbell is Chief of Program Delivery Services for PennDOT in Harrisburg.

Harry Campbell – Harry is a new Central Section general member who has a Bachelor of Science degree in Environmental Resource Management and an MSP degree in Environmental Pollution Control. He is a Watershed Specialist at Gannett Fleming, Inc. in Harrisburg.

Shannon Carson – Shannon is a new Eastern Section general member and she holds a Bachelor of Arts in English. Shannon Carson is a coordinator at Greenworks/EFP in Philadelphia.

Arthur B. Davis – Arthur is a new Eastern Section member who has a Bachelor of Science degree in Accounting. He is employeed by Holt Oversight & Logistical Technologies, Inc., in Gloucester City, New Jersey.

David Dietz – David is a new Central Section general member who has a Bachelor of Science degree in Geology. He is currently a graduate student at the University of Maryland.

Robert C. Finley – Robert is a new Central Section general member who has a Bachelor of Science degree in Business Administration. He is an Assistant Vice President of the Pennsylvania State University in University Park.

Camille K. Fritz – Camille is a new Central Section general member who has a Bachelor of Arts degree in Biology and a Master of Science degree in Environmental Science & Policy. She is an Environmental Scientist at McCormick Taylor & Associates, Inc. in Harrisburg.

Jennifer L. Hall – Jennifer is a new Western Section general member and holds a Bachelor of Science degree in Environmental Science. She is a Watershed Educator at Asbury Woods Nature Center in Erie.

Dana Marie Jackowicz – Dana is a new Eastern Section general member who has a Bachelor of Science degree in Environmental Science. She is an Environmental Scientist at AMEC Earth and Environmental, Inc., in Plymouth Meeting.

Kevin Karmosky – Kevin is a new Central Section general member who has a Bachelor of Science degree in Civil Engineering Mr. Karmosky is a Water Security Assistance Specialist with the

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New General Members:

Continued from Page 6

Daniel C. Leppo – Daniel is a new Central Section general who has a Bachelor of Science degree in Community Development. He is the Planning Director for the City of Harrisburg.

Jay L. Lightcap – Jay is a new Central Section general member who has a Bachelor of Business Administration and a Master of Science degree. He is an Environmental Planner at PENNDOT District 8-0 in Harrisburg.

Travis John Long – Travis is a new Central Section general member who holds a Bachelor of Science in Environmental Science. He is an Environmental Scientist/Ecologist at the Clearfield office of Gannett Fleming, Inc..

Scott B. Lowe – Scott is a new Central Section member who has a Bachelor of Science degree in Environmental Science. He is an Environmental Scientist at KCI Technology, Inc., in Hunt Valley, Pennsylvania.

John P. McCarthy – John is a new Eastern Section general member and has a Master of Arts/ABD degree in Anthropology. He is the Historical Preservation Specialist at PENNDOT District 5-0.

Kelly Meinhart – Kelly is a new Central Section general member who holds a Bachelor of Science degree in Communications. She is a Producer at Greenworks/EFP in Philadelphia.

Megan B. Murphy – Megan is a new Western Section general member who has a Bachelor of Science degree in Environmental Health Science. She is a Watershed Specialist with the Lawrence County Conservation District in New Castle.

William C. Packer – Bill is a new Central Section general member who holds a Bachelor of Science degree in Soil Science. He is an Environmental Scientist with the Pennsylvania Turnpike Commission.

Darl K. Rosenquest – Darl is a new Western Section general member and has a Bachelor of Science degree in Geology and a Master of Science degree in Engineering Geology. He is employeed as an Area Engineer at the PADEP's California District Office in Coal Center.

Ronald A. Stanley – Ron is a new Central Section general member who has earned Associates of Science, Bachelor of Science, Master of Science, Doctor of Philosophy and Master of Public Administration degrees in Botany, Chemistry, Plant Physiology, Zoology and Environmental Management . He is employed at the Pennsylvania Department of Environmental Protection's OPPCA Grants Center in Harrisburg.

Susan Marie Zacher – Susan is a new Central Section general member. She has a Master of Science degree in Anthropology from Clarion University and a Master of Education degree in Environmental Education. Ms. Zacher is the Historic Preservation - Historic Structures Section Chief at the Pennsylvania Historical and Museum Commission.

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EASTERN SECTION

The Eastern Section Programs Committee arranged a tour of the new PPL Building in Allentown, which is a "green" building, on June 27. Participants enjoyed the informative tour and had the opportunity to discuss ways to expand networking opportunities for the Lehigh Valley membership. Many thanks to Betsy Schamberger and Jerrold McCormick for making arrangements and to Peter Cleff for hosting and leading the tour!

On July 25, PAEP Eastern Section teamed with the Society of Women Environmental Professionals (SWEP) to sponsor the second-annual "Regulatory Program Update". Speakers were Ken Anderson of PADEP's Southeastern Regional Office and Dick Hassel of the U.S. Army Corps of Engineers, Philadelphia District. Further details about this successful program are provided elsewhere in the newsletter.



An upcoming Eastern Section Program is a presentation by the Pennsylvania Biodiversity Partnership (PBP) on October 1. The PBP is looking for input from PAEP regarding development of a Biodiversity Conservation Plan. The meeting will be held at the URS office in Blue Bell after work hours. In the near future, we are also hoping to offer programming to discuss cultural resources, NEPA changes from the Council on Environmental Quality, and possibly upcoming changes to searching the PA Natural Diversity Inventory database. Stay tuned for more details!

Eastern Section members who would like to be more involved in program development for PAEP please contact the Eastern Section Co-Chairs Katie Eberhart of URS (Katie_Eberhart@URSCorp.com) in the greater Philadelphia area or Alana Bixler (amb@synergyenvinc.com) in the Lehigh Valley.

WANTED AUDIT AND BUDGET REVIEW COMMITTEE HELP



With the adoption of the new by-laws for the organization to become 501 (c) (3) certified, PAEP needs to form a formal Budget/ Audit Committee to conduct independent and impartial reviews of the organization's finances and transactions, record-keeping, and to coordinate annual audits with an outside CPA firm. This Committee should ideally be formed of non board members. If you have a head for numbers, this is an excellent opportunity to get involved and provide a much needed service to your organization. We are also looking for a CPA firm to do our audits. Please contact Jerrold McCormick or Joe Musil if you have an interest in contributing a little of your time to support PAEP.

CENTRAL SECTION EVENTS

October 3, 2003 the Central Section will be "The History of Forestry in hosting Pennsylvania-the Last 200 Years". meeting will be held at the Gifford Pinchot State Forest Park Office and will begin at 6:00 p.m. Our guest speaker will be Jim Nelson, former Director of the Department of Conservation and Natural Resources. Cost is \$5 for members and \$8.00 for nonmembers. For more information contact Deb Henson at 717-691-1340 dhenson@kci.com.

The November Event will be "Pollution Prevention: PADEP Policy Briefing and Pfizer Facility Tour". The date and time are tentatively set for November 10, 2003 from 8:30 a.m. until 12:30 p.m., and will be held at the Pfizer facility in Lititz, Pennsylvania.

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WESTERN SECTION



On August 13, 2003 family and friends joined the PAEP Western Section for a night with the Pittsburgh Pirates at PNC Park. Following a tailgate reception hosted by McCormick, Taylor and Associates, the group attended what turned out to be a very

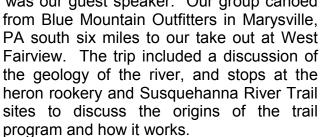
exiting game. The Pirates tied the Cardinals in the eighth inning and in the bottom of the ninth with the bases loaded, two outs and two strikes, the Pirates' Randall Simon hit a game winning single to end the game. The crowd went crazy and we had a great time!

A Pennsylvania Biodiversity Plan focus group program will be held on

October 20, 2003, from 5:30 pm to 8:30 pm at the Engineer's Society in Downtown Pittsburgh. Look for flyers soon containing detailed program and reservation information. For immediate information contact Eric Buncher at (412) 472-5692.

CENTRAL SECTION CANOE TRIP

On September 12, 2003 PAEP members participated in the second annual "Day on the Susquehanna". Brook Lenker with the Alliance for the Chesapeake Bay was our guest speaker. Our group canoed



I'd like to thank everyone who participated in the event and made it such a success. I'd also like to thank Brook for taking the time to spend a day with PAEP. I hope everyone had a great time and hopefully we can do this again next year!

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