

DOWRA News

Delaware On-Site Wastewater Recycling Association

DOWRA

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16th Annual DOWRA Conference Fast Approaching!

The 16th Annual DOWRA Conference is quickly approaching. The DOWRA Conference committee has been working diligently to provide you our members with an educational and captivating conference this year. As we read through several of the comments and concerns from last year's conference, it became apparent to us, that we had lost site of the little things, the basics if you will. That is why we have picked this year's theme of "Back to the Basics". This theme is to help us, the committee to get back to our roots, the basics of what you our members want and need out of the conference. I am personally looking forward to this year's conference, due to the new and interesting speakers we will be offering for the diverse members we have in DOWRA. We are also providing new as well as some of your favorite vendors to broaden the spectrum of communications in our industry.

Just some of the various speakers we have this year are bound to captivate and intrigue you. We have the Delaware State Police coming in to educate you on truck enforcement, the do's and the don'ts on the road. They will be discussing proper tie down's of equipment, inspections, and what permits a violation. We will also be having Burke Equipment, who will be going over the basic and annual maintenance of backhoes, bobcats, and large trucks. DNREC SRF will be going over the state revolving funds, which are available to help residents/clients with septic replacement needs. They will go step by step on how to apply for these funds, which can be used for site evaluations, installations, and permits. OSHA will be coming in to educate you on Trench Safety, the basic do's and don't of proper trench safety, to help reduce injuries, and maintain a productive and safe working environment.

As you have read this year's conference is shaping up to be a captivating educational experience for all DOWRA members. There will be new and updated games for those who wish to participate in the Backhoe Rodeo this year. We will be offering a breakfast sandwich buffet to our members this year on both days, to help encourage early registration, and to improve on vendor/attendee communications and dealings. I look forward to seeing you all who can attend this year's conference on Oct. 15th and 16th, 2012, at the Dover Downs Hotel and Casino in Dover, DE. I know the Conference Committee has worked very hard to get us back to the Basics of providing a great conference to you this year.

Sincerely,
Conference Committee Chairperson
Niki Glanden

2012 DOWRA Board of Directors

Check out
www.dowra.org
for conference registration information.!

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DOWRA IS A
PROUD
MEMBER OF
NOWRA
WWW.NOWRA.ORG

**Nominations are being sought for the following
DOWRA board positions: Engineer, Academic,
Installer, Regulator, and Class H Inspector
If interested please contact Hollis Warren!**

Walsh, Bower, White & Evans Honored at Delaware Tech's Operator of the Year Ceremony - Hilary Valentine

On May 2, 2012, the Operator of the Year Awards ceremony was held at Delaware Technical Community College, Owens Campus. This statewide ceremony serves to highlight the best of Delaware's water and wastewater operators, as well as onsite professionals that protect our environment. Award winners are chosen for their outstanding technical excellence and exemplary work ethic contributing to the high level of water quality in Delaware.

This year the onsite industry was well represented with FOUR award winners. Ken Walsh was named the 2011 On-Site Professional of the Year. Walsh is the owner of Multi Koastal of which he holds a Class B, E and H license. Walsh has more than 20 years of experience in the industry. It is Ken's work ethics, willingness to take on any job, dedication to bettering the industry, and volunteerism to the community, DNREC's advisory Board and DOWRA that led to him being chosen for this award.

Carol Evans the owner of Apple Designs and a Class E, B, and H licensee was a nominee. Carol was nominated because she has worked diligently throughout her career to balance the needs of her clients with the obligation to develop property in an environmental conscious manner in Delaware. Carol also has been a big part of DOWRA and continues to volunteer within the organization.

Congratulations to Charles White and Robert Bower who both were honored with Lifetime Achievement Awards. Robert Bower is the owner of Midway Services and has grown his business from that of simply septic system designer in 1988 to a full service quality minded onsite service company. Bob is part of every installation and provides great quality service and sustainability to all of his customers and the industry.

Charles White has over 50 years of quality work, coupled with great customer services and outstanding business ethics. Charles' father, C.O White started the plumbing and septic business in the 1950's and taught Charles two basic principles for running a business: first do the work right the first time and second treat customers as you would want to be treated. Charles took those principles and created a successful business in which he shares with his family. Charles White and Sons excellent reputation enabled them to be featured in the 2009 Onsite Installer Magazine and they have won the Customer Service Award from the Town of Seaford.

DOWRA would also like to congratulate Rick Garloff, water operator of the year, and Bettina Stern wastewater operator of



Pictured Right all award winners at Delaware Technical Community College.

Delta E-25 Ecopod Approved as an DNREC Approved Treatment Unit! - Tim Smith

Delta Environmental and E3 Environmental are proud to introduce the new Delta ECOPOD E-25 advanced treatment system for use in Delaware. The E-25 has been approved by DNREC as a PSN 3 advanced treatment unit, meeting effluent TN parameters of 20 mg/L or a 50% reduction.

“The E-25 is smaller in size and incorporates an efficient linear compressor to save your clients money!”

The E-25 utilizes the same flow through attached growth process as its bigger ECOPOD brothers, but incorporates a very cost effective and efficient linear compressor to deliver aeration to the system. This unit was originally developed for international sites where home water usage is at lower rates, and is now being applied for smaller one and two bedroom houses and retrofit systems in the United States. This unit has been approved in Delaware to service 360 gallons per day average daily flow. It is this smaller



size, and efficient blower that provides cost savings to the homeowner. The legs on the unit also allow it to be adjusted to fit nearly any locally available tank of the correct volume.

If you have questions regarding this unit or other Delta products please contact : Eric Valentine at ericv@e3onsite.com or 703-309-6916.



2012 DOWRA Calendar of Events!

August

August 21, DOWRA Membership Appreciation Crab Feast

Invite Only //6:00 pm, Seafood City, Felton

** All those who attend board/membership meetings will be invited

September

September 11, Board/Membership Meeting

6:30 pm Pizza, 7:00 pm meeting starts

Board Room, Exhibit Hall -Delaware State Fairgrounds

September 14, DOWRA Annual Golf Tournament

12:00 pm, at Jonathans Landing Golf Course (Shotgun Start) -Magnolia

October

October 15-16 Annual DOWRA Conference

Location : Dover Downs

2012 CLAY PIGEON SHOOT-Kevin Sockriter

On Friday, April 20th the 6th annual DOWRA Sporting Clay Tournament was held at Owens Station. We were very pleased with the turnout this year as we exceeded 60 shooters of all different skill levels. Due to the support, DOWRA was able to continue to offer several door prizes and maintain our tradition of giving away three shotguns. I would like to thank everyone that participated in putting this event together. I would especially like to thank all the companies and individuals that supported this event as we continue to endure these economic challenges. We look forward to seeing you all of you at the Golf tournament in September.

This year's winners (division, name, targets shot)

Highest Overall:	Brian Anderson	48	3rd Lewis Class	Steve Crew	25
1st Lewis Class	Mike Wilkins	46		Mike Coverdale (6)	24
	Bruce Kenney (25)	45		Gusty Voshel (4)	24
			Female	Jody Williams	16
	Morris Dryden(24)	45		Julie Timmons-Banks	16
2nd Lewis Class	Jim Gillespie (11)	35		Stephanie Jackson	9
	Jimmy Robinson	(10)35	"Worst Shooter"	Heather Sheridan	7
	Jim Talbot (9)	35			

Thanks to all of our Clay shoot Sponsors !

Alban CAT

AP Croll & Son

Aqua Flow

ARM-Atlantic Resource Management

Artesian

Davis Bowen and Friedel

Freemire & Assoc

George & Lynch

Gillespie Precast

HD Supply

Independence Materials (ICM)

Infiltrator

Kim Yanaitus PE

Lyons Company

Mike Horsey

Mike Cotton PE

Multi Coastal

National Concrete Products

Pioneer Materials

Polylok

Pioneer Materials

Utility Line Company / De Coop

Zober Construction

Bio-Microbics the First to Receive NSF 350 Certification— Jason Miller

Bio-Microbics products are tested and certified by many national and international certification programs to deliver consistent high performance in a simple, pre-engineered, modular design for easy shipment around the globe. Successfully addressing the challenges of economic affordability and effective treatment, Bio-Microbics improves onsite residential, commercial and marine treatment capabilities to help ensure a clean environment for future generations.

NSF® (National Sanitation Foundation International)/ANSI Standard 40, Class 1 Certified, the MicroFAST® 0.5, 0.75, 0.9, 1.5 and BioBarrier® MBR 0.5, 1.0, 1.5 systems are approved for residential capacities between 400 gallons (1514 Liters) and 1,500 gallons (5678 Liters) per day.

The standard includes a wide range of product evaluation methods and criteria for residential treatment systems. Most notably is the ability of the wastewater treatment system to produce an acceptable quality of effluent. This is demonstrated during a six month (26 week) test where wastewater of required strength is subjected to the system at the rated capacity of the system as evenly dosed at periods prescribed by the standard. Stress sequences are included to simulate wash day, working parent, power outage, and vacation conditions.

The effluent criteria required of a Class I system is based on the U.S. EPA secondary effluent treatment requirements for municipal treatment facilities. In addition to the effluent performance, requirements also exist for product literature, including installation, operation and maintenance, and trouble shooting and repair manuals. The system must also meet minimum requirements for structural integrity, leakage, noise, electrical certification, access ports, failure sensing and signaling equipment (visual and audible alarms), flow design, data plate and service labels.

Also meeting the NSF/ANSI Standard 245 (Nitrogen Reduction) Certification, the MicroFAST® 0.5, 0.75, 0.9, 1.5 and BioBarrier® MBR 0.5, 1.0, 1.5 systems have been developed for nitrogen reduction for residential rated capacities between 400 gallons and 1500 gallons per day wastewater treatment. The evaluation involves six months of performance testing, incorporating stress tests to simulate wash day, working parent, power outage, and vacation conditions.

Technologies testing against Standard 245 must either be Standard 40 certified or be evaluated against Standard 40 at the same time an evaluation is being carried out for Standard 245, as both tests can be run concurrently. Throughout the testing, samples are collected during design loading periods and evaluated against the pass/fail requirements. A treatment system must meet the following effluent concentrations averaged over the course of the testing period in order to meet Standard 245:

“Biomicrobics products focus on: environmental stewardship, community considerations, and economic considerations”

CBOD5 - 25 mg/L

TSS - 30 mg/L

Total Nitrogen - at least a 50% average of influent TKN

pH - 6.0 to 9.0 SU

NSF/ANSI Standards

American National Standards exist for a wide range of products, providing for a method of test and associated criteria of demonstrated product compliance. Such standards have been applied to the onsite wastewater treatment industry for several decades, as provided for through NSF and our expert committees.

NSF is accredited by the American National Standards Institute (ANSI) to develop and publish American National Standards. The process for developing an American National Standard must properly address consensus, due process, and openness. In the case of the NSF wastewater treatment standards, these are accomplished primarily through a committee structure, with the NSF Joint Committee on Wastewater Technology at the core.

ABOUT: Bio-Microbics, Inc. and Scienco/FAST - a division of Bio-Microbics, manufactures decentralized Fixed Integrated Treatment Technologies (FITT®) for commercial, residential, and marine markets to harness renewable water sources from wastewater and stormwater. At the forefront of sustainable, clean technology, both Bio-Microbics and Scienco/FAST continue to meet the highest global industry treatment standards.

Based on environmentally sound and simple scientific principles, our unique, innovative products improve onsite wastewater treatment capabilities. The natural treatment process offers significant benefits for water redistribution. These advanced treatment systems use multiple biological, biochemical and physical methods that can occur simultaneously and reduce nitrogen in the process. Keeping in mind to bring superior products to emerging markets, utilizing proven, existing technologies in new and innovative ways, our products focus on:

- Environmental Stewardship: to reduce the impact on resources (water) in the communities.
- Community Considerations: to meet and exceed regional regulations and requirements.
- Economic Considerations: to measure return on investment of sustainability efforts and long-term treatment.

For more information, contact Freemire & Associates Inc. at (410) 768-8500, or email sales@freemire.com.

NAWT Partners with DOWRA to Present At Conference - Jim Anderson

NAWT is pleased to work with the Delaware On-site Wastewater Recycling Association (DOWRA) conference planning committee to present the Professional Installer Training Course, on Monday October 15 as the first day of the 16th annual DOWRA conference. The course concentrates specifically on the basics of how to install a “good” system. Good systems result from following the key principles of installation; those are the KISS, KIDD and KINN principles.

Good systems are installed with management in mind which means systems that are installed so that all parts are accessible for maintenance activities. Specific topics covered include; Planning and Site Evaluation; Installing Sewage Tanks; Installing below ground systems; Installing above ground systems; Installing pumps and pump stations and Installing media filters.

Jim Anderson, NAWT Education Program Coordinator is working closely with Jim Cassidy, Daniel String and Hollis Warren to ensure that information presented during this one-day course fits with current Delaware requirements. At the end of the course an exam will be given. The exam will take approximately an hour to complete and result in the issuance of an NAWT Professional Installer Certification. Just as with the NAWT certified inspectors, contact information for installers who have passed the certification exam will be posted on the NAWT website and maintained in the NAWT database. This course also qualifies for re-certification credit for the NAWT Inspection Certification. Instructors for this course will be the nationally recognized team of Dave Gustafson and Jim Anderson. If you have questions about the session you can contact Courtney Peterson, Executive Administrator at the NAWT office: 1-800-236-6298 or info@NAWT.org.

DOWRA Attends UofD Ag Day!

On April 28. Kim Yanaitus and Henry McKinney attended the University of Delaware’s 2012 Ag Day. This was a great opportunity in which DOWRA exhibited and provided the 1,000s of visitors with onsite information, answer questions and provided on-site demonstrations .



Even the mascots want to learn about septics! Above left Henry with You DEE and a septic filter