

Happy Holidays



We wish all our members a wonderful holiday

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**COWRA Brochures are
available to our members at
\$50.00 per 100, including
shipping**



**CONNECTICUT ONSITE WASTEWATER RECYCLING
ASSOCIATION**
SUPPORTING CONNECTICUT AND OUR ENVIRONMENT
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December 2014

Season's Greetings

Letter from the President

Dear COWRA Members,

I thank those of you who attended this year's annual meeting; we all had a great time. During this year's meeting we elected two COWRA members to our Board of Directors: Robert Smith of the Torrington Health Department, and Steven Buttermore of Buttermore's Septic Service.

I would like to remind our members that, beginning in 2015, the Technical Standards will be changing and our members will want to be aware of these changes when beginning their 2015 installs.

Our 6-week installer course begins January 15, 2015. This might be a perfect time for our members to refresh their knowledge and learn of the changes taking place in 2015 by taking our course.

I hope all of our members have a Happy Holiday Season and a prosperous New Year.

Sincerely,
Frank R. Talarico

New Members Profile

Patrick Hanley joined us. Patrick is the owner of Hanley Landscaping located in Granby Connecticut. Patrick covers all aspects of landscaping services from flower beds to stone work. His company creates curb appeal designed to each homeowner's taste. In addition to landscaping, his services include: excavation, foundation work, drainage, construction, demolition and trucking services. To learn more about Henley Landscaping visit him on the web at: www.hanleylandscaping.com

New Members Profile - Continued

Joseph Lopez, of Litchfield Country Landscaping LLC, joined us in October of this year. Joseph is the owner of his company which is located in Winsted Connecticut. Joseph is a licensed septic installer. His services include: septic installation, inspections, landscaping, excavation, foundations, and drainage and sewer line installations.

Jason LaChance joined us in October of this year. Jason is the owner of Small-Town Septic in Granby Connecticut. Small Town Septic is a subsidiary of JRL Construction. Jason is a licensed septic installer and his services include: Septic installation and pumping services, septic inspections, cameras/video, excavation, foundations, drainage, construction and sewer line Installation. To learn more about Small Town Septic visit him on the web at www.smalltownseptic.com.

COWRA Loses One of its Own



Briggs Geddis 1938 - 2014

A. Briggs Geddis, 76, of Ridgefield died on Tuesday, July 15, at his home after a year-long courageous battle with cancer. Briggs was born in Morristown, N.J., the second of four children to Florence and Joseph Geddis on April, 27, 1938. After earning a degree in biology at Atlantic Union College, he worked in cancer research at the Worcester Foundation for Experimental Biology in Shrewsbury, Mass. He subsequently taught biology and science at The King School in Stamford, and Valhalla High School in Valhalla, N.Y. For the past 38 years he worked for the town of New Canaan as the director of Environmental Health.

He is survived by his wife, Kristin; his daughters, Gabrielle Griffin and Abigail Brower; and son, Briggs; seven grandchildren; his brother Robert; and two sisters, Jayne Molleck and Joyce Burnette.

A gathering of family and friends was held in celebration of his life at Waveny House in Waveny Park, New Canaan on Thursday, August 7, 2014.

For over 27 years. Briggs taught COWRA's installer course. Briggs was a long-time member of ours and his generous donation of time to our organization and to the students will always be remembered. Briggs was a natural teacher; his enthusiasm and zeal shepherded a host of students over the many years of is dedicated service to our organization.

Briggs" believed in a wrong and right way of installing a viable septic system. Briggs cared about what was going to stand the test of time when it came to installation. When installing a system in Briggs' jurisdiction, an installer quickly learned it would be done Briggs' way. Briggs brought this standard of excellence to our class room. At the end of each class and during the break midway through, students would gather around Briggs and he would spend whatever time was needed to answer each question and to explain each topic. He was a gift to our students and our organization.

Briggs' daughter Gabrielle wrote in memory of him: *"You taught me to measure the value of honesty and that loyalty builds trust. You taught me that the most important things in this world are people and not possessions and that helping other people also means not taking credit for it. You taught me the value of hard work and that no task is too humble or demeaning. You taught me to give my children everything that they need, most of what they want and that if there is anything left over, to share what I have. You taught me to stand up for myself without ever being a bully. You taught me to love all creatures and appreciate the wondrous miracles of nature..."*

Thank you, Briggs, for all that you did, from everyone who came to you seeking your wisdom. It was an honor and a privilege for all of us who were fortunate enough to have known you.

COWRA's 2014 Annual Meeting



On November 8, 2014 COWRA held its Annual Meeting at the Ridge Club in Southington CT.

COWRA members had a wonderful time at the Ridge Club in Southington CT. Our members enjoyed a great meal in the company of friends and associates. Members visited with our vendors who spent time explaining their product lines. Our vendors generously supplied products and gifts for our door prizes. A brief business meeting was held to discuss the new Technical Standards that will be in place in January 2015 and other events of the past year.

Frank Talarico spoke briefly on current topics. Elections were for the two positions open on our Board



of Directors. Steven Buttermore of Buttermore Septic was elected to the

Board and Robert Smith of the Torrington Health District was appointed to the Board of Directors, thus filling a long-time desire of our organization to have a Sanitarian sit on our Board. This appointment will create a well-rounded, diverse Board of Directors for COWRA.



For many years David Evans has been protecting the interests of our members by monitoring the laws proposed for the Connecticut Legislature. David Evans spoke briefly at our meeting, regarding legislation affecting the wastewater industry.

COWRA is very thankful to David Evans, of Evans Associates, for speaking

to our members and for the years of dedication to our organization.



Entertainment was provided by **Jim Sisti**, comedian and magician. Jim blends a very funny routine with awe-inspiring magic.

Annual Meeting Vendors

COWRA would also like to thank the following vendors who displayed their products and were on hand to explain their products to our members. We thank all our vendors for their support of our organization and for their many generous donations of door prizes.



We thank Carrie and Joe Lesage of Tank Track LLC.

Tank Track is a new software program for septic businesses. A simple, user-friendly design equips

business owners to manage customer information, schedule appointments, print invoices, and more. It is easy to use, quick setup, no contract.

The features of Tank Tracks program include:

Customer Information at Your Fingertips This helps you to easily find a customer's information when they call. You can search by property address or customer name, or narrow your search by criteria you choose. Never lose property service history even when the contact person moves.

Manage Your Scheduling Assigning appointments, choosing the truck for a specific job, keeping tabs on the tank capacity of each truck and comparing the septic volume for each consecutive stop.

Plotting Your Routes, you can print route maps and directions for each driver's route, including dumping stops.

Access your Business from Anywhere You will never have to make a trip back to the office to access your business files. Connect from any computer in the world with a simple Internet connection. Mobile app coming soon.

Painless Reporting and Reminders You decide how often each property should get serviced and let Tank Track keep track of who is due for an appointment reminder. And, check in on data you may need for your own records or for compliance with state reporting requirements.

Tank Track Software Easily Integrates with QuickBooks It is tailored for the septic business with a simple design that makes it easy for you to provide good old-fashioned service. For more information about Tank Track, LLC., visit them on the web at www.tank-track.com.



We would like to thank Infiltrator Systems, Inc. who sponsored our meeting.

Infiltrator Systems, Inc. (ISI) is the world's leading manufacturer of plastic leachfield drainage chambers for environmental onsite

wastewater solutions. Their chambers, a direct replacement for stone and pipe leachfields, have revolutionized the septic industry. They provide a cost-effective, efficient method for handling residential and commercial wastewater.

ISI is the only chamber company that both manufactures its own products and sells to its customers through national distribution. Their trained sales reps work in the field to provide product, installation and technical support.

ISI systems are approved in all 50 states and all 10 Canadian provinces with up to a 50% smaller footprint as compared to stone and pipe systems. There are over 1.5 million Infiltrator systems installed and more than 42 million chambers in-ground worldwide. Their systems have stood the test of time with a history of performance since 1987. Today, one in four septic systems in the U.S. is an Infiltrator chamber system.

Infiltrator Systems Inc. has revolutionized the onsite septic industry. What began in their founder's own backyard as a great idea for a new leachfield drainage technology is now a worldwide environmental solution for the onsite wastewater industry. Developed in 1987, their products improve the performance of onsite septic systems by delivering greater infiltrative capacity and long-term reliability. Their technology is based on fundamental principles of physics, soil science and geology and it offers performance advantages that have furthered the industry's goals of protecting public health, improving water quality and conserving precious natural resources.

Today, Infiltrator is a worldwide company with nearly 400 employees. With innovative products and services, ISO-9002 certified manufacturing facilities, creative recycling solutions and the development of new subsidiaries, Infiltrator is poised to offer a total approach to water quality. The future lies in a global effort to identify new technologies and to improve water quality and wastewater management worldwide. Visit them on the web at www.infiltratorsystems.com



We thank Jim King who joined us from Eljen Corporation.

The goal of Eljen Corporation has been to develop innovative environmental products and solutions for onsite wastewater

treatment, erosion control and stormwater industries.

Established in 1970 Eljen Corporation has created the world's first prefabricated drainage system for foundation drainage and erosion control applications. Today, Eljen is a global leader in providing innovative products and solutions for protecting our environment and public health. In the mid-1980s they introduced their Geotextile Sand Filter products for the passive advanced treatment of onsite wastewater in both residential and commercial applications.

Eljen Corporation's focus is on advancing the onsite industry through continuous development of innovative new products. They deliver high quality products and services to their customers at the best price and building lasting partnerships with their employees, suppliers, and customers.

Eljen products include the Eljen GSF Geotextile Sand Filter, a passive advanced Treatment Technology. Their Mantis GSF Geotextile Sand filter is a revolutionary leach field that is easy to install. The Mini/Max Absorption System encourages recycling of pretreated effluent. It minimizes the footprint and eases access and installation in difficult-to-reach locations. Eljen Prefabricated Drainage Systems are the industry's first non-Aggregated

Drainage Systems. They have developed improved water management on slopes which comprise two systems for both surface and subsurface water control.

Eljen Waterproofing Protection and Drainage systems provide a major advantage over other technologies. To learn more about these products and other Eljen products please visit them on the web at www.eljen.com

We thank Kevin Brown, Hunter Ward and Janice Wilhelm, who joined us from of Blake Equipment Company



Blake Equipment has served customers in Connecticut and Western Massachusetts for over 70 years with design support, sales, parts and service of "Best in Class" products and value. Whether you're installing a pumping system, proprietary septic system, replacing existing equipment, or required maintenance and repair work, Blake Equipment will keep you on-line and keep you there with maximum efficiency, always at the most competitive price.

Blake Equipment is in the business of "Fire and Water" - providing mechanical systems, controls and services to industrial, municipal, commercial and power generation markets wherever there is a need to pump, heat and treat water or steam.

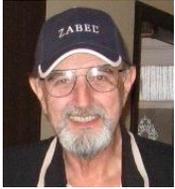
Civil Pumps and Plumbing Blake Equipment Co. has served facilities, contractors, and municipalities for over 70 years with "Solutions for Peak Performance" to help manage a wide range of pumping and plumbing needs. Whether a part, pump, system retrofit or emergency service is needed, Blake Equipment Company is there for you.



Blake Equipment installs Waste Ejector Systems for municipal, commercial, industrial and institutional applications. Blake Equipment offers the best in class packaged ejector systems in simplex or duplex design.

Blake Equipment employs the best in the industry. Their employees are the best factory trained and licensed technicians. You can expect the best technicians available when you need service. Each technician is fully licensed to work on equipment. Their technical licenses include: Number 1-6 Oil Master Burner License, Natural Gas License, Propane License, Electrician License, Plumbers License and ASME Code Piping.

Investing heavily in training continues to be a main goal for Blake Equipment. Blake provides factory authorized training to their technicians on all of their product lines and many additional manufacturers. Blake prides itself in providing superior customer service. For more information about Blake Equipment Company visit them on the web at www.blakeequip.com.



Don Smyth joined us from Polylok

We pulled Don Smyth out of retirement to represent Polylok at this year's annual meeting. Polylok is a supplier of plastic injection molded products for the precast

concrete and onsite wastewater industries. Their home office is in Wallingford CT, though they have partnerships with several supply houses across the United States and Canada. Polylok was established in 1984. They design, manufacture and ship their products from their Wallingford location. Polylok holds over 45 patents and produces over 100 products for the precast, drainage and onsite wastewater industry.



Polylok has a full-time engineering and design team that continually focuses on improving their existing products and developing new ones. Yet, at the same time, they keep costs down by combining their business office with their manufacturing and warehousing facility.

From the beginning, Polylok has been a company focused on delivering innovations to the precast, drainage and onsite wastewater industries. In 1995 Polylok introduced the Equalizer. This product changed the installation of septic tanks for many installers. The Equalizer is used to self-regulate the flow of effluent to the leach field.

Polylok's PL-122 Filter is designed for residential and light commercial use. Its patented filter ball serves two

purposes: it deflects gases in the tank and it automatically inhibits the flow of solids into the leaching fields.

Polylok's D-Box seal accepts multiple pipe sizes while ensuring watertight performance. One of the D-boxes offered by Polylok allows for multiple inlets and outlets, has stabilizing feet to prevent frost from lifting it up and ensures watertight performance with the Polylok D-Box Seal.

In 2005 Polylok introduced the Orifice Diffuser that evenly disperses effluent while reducing the possibility of clogging distribution lines.

These are just a few of the innovative products that Polylok, in their commitment to their customers, has introduced to the wastewater industry. For more information on their product line visit them on the web at www.polylok.com.

We thank David and Elizabeth Potts of Geomatrix Systems LLC

Since 1987, Geomatrix Systems LLC has engineered a wide variety of systems for soil and water treatment to help protect the environment.

With a multi-disciplined team of engineers and scientists specializing in soils, wastewater treatment, microbiology, hydrogeology and construction management, Geomatrix is uniquely qualified to analyze and solve challenging wastewater treatment problems.

Geomatrix products include: the **GeoMat Flat** is the lowest profile system for sites limited by ledge, water table or impermeable soils. **GeoMat Edge** is for High surface area, low profile pressure-distributed system for sites limited by setback obstacles. **GeoU** is for the highest surface area, small foot print for sites limited by setbacks or land area and is SoilAir enhanced. **GST** is for the highest surface area use of traditional technology for achieving reduced footprint. **S-Box** is for high surface area, small foot print, easy to install.

SoilAir is a patented technology that intermittently aerates the drain/leach field and the surrounding soils rather than constantly aerating the wastewater in a tank. This process allows rapid rejuvenation of failed septic systems, extends the lifespan of new leach fields and enhances treatment.

Over 2,000 SoilAir Systems are in use across the U.S. and Canada in a wide range of climates and soils; these systems are serving single and multi-family homes as well as challenging and high strength waste streams, such as restaurants, hotels, marinas, laundry mats, healthcare facilities, grocery stores, food processing facilities and convenience stores.



Unlike many wastewater treatment systems, SoilAir systems have been studied for extended periods of time and proven effective by leading universities, third-party test organizations and industry leaders in the field.

BENEFITS of SoilAir

A SoilAir system rapidly restores proper septic system function, enhances B.O.D., pathogen, nitrogen & phosphorus removal with minimal disruption and damage to existing landscaping. It lowers installation, operation & maintenance costs and is a long-term solution.

Hydro Air Pump Systems utilize a fiberglass vessel and air pressure flow lifting and /or pressure distribution of wastewater; the system is typically installed down-stream of a septic tank.



The **Hydro Air** pump system is unique in that the pump is remotely located and does not directly contact wastewater. This provides for easier maintenance or servicing. When a

dose of wastewater is collected, a level sensor is activated and the pump starts. If the pump does not drop the water level in the vessel an alarm will activate. The pump increases air pressure, until it is sufficient to overcome the total dynamic head. After the dose of wastewater has passed to the leaching system, air flow purges the piping system of water; this among other benefits also prevents siphoning.

We would like to thank United Concrete Products.



United Concrete was unable to join us at this year's Annual Meeting, however they generously donated a door prize for our annual meeting.

United Concrete, located in Yalesville CT, specializes in precast concrete products. Founded in 1954, United Concrete is a family-run business that offers a diversified line of municipal and state-approved products. Their

73,000 square foot facility enables United Concrete to service commercial and residential customers, as well as manufacture custom products.

For over 50 years, United Concrete Products has offered a wide range of environmentally conscious precast concrete products to the wastewater industry. United Concrete has over 250 products for both residential and commercial use.

United Concrete has an in-house steel fabrication shop. Their Beauchemin Steel enables them to take a new product from concept to production and reduce development time. United Concrete products include septic tanks, leaching galleries, manholes, utility product yard drains, oil / water separators and pump stations, to name a few. Whether the customer's needs are large or small, United Concrete is ready to work it out for its customers.

United Concrete can provide Septic Tanks from 1000 Gallon to 4000 Gallon with Regular, Low-boy and Heavy-Duty tanks in those sizes. They provide Low Profile Leaching Gallies (also HS-20) from 12" to 24" and from 12" to 24", 4'x4'x4' and 4'x8'x4' Galley Leaching Chambers, both sizes also come in HS-20. Igloo Galley Leaching chambers are available and 2200- and 900-Gallon Dry Wells. Pump Chambers are available from 1000 Gallon Pump Chamber HS020 – 4500 Gallon Pump Chamber HS-20. Grease Traps can be purchased from their 1000 Gallon Regular Grease trap or 1000 – 4500 Gallon Grease Trap HS-20.

These are just a few of the quality products that United Concrete Products provides to our industry. For more information about these products or for a complete list of their products, including downloads of engineering data, visit them on the web at www.unitedconcrete.com.

We ask our members to remember those companies who support our organization.

COWRA's 2015 Installer School

COWRA is accepting applications for our 2015 Installer School. Students enrolled in the Installer School are automatically enrolled in the Pumper/Cleaner School. Both Schools will be held at Wesleyan University in Middletown CT. Classes for the Installer School will begin on Thursday January 15, 2015 and run for 6 consecutive Thursdays.

Topics for the Installers School include: Septic Tanks: design, structure, function; watersheds and drainage profiles; Soils: physical characteristics, profiles and types, identification; Site Conditions: deep hole and percolation testing, plumbing and pipe configuration; Distribution Systems; Leaching fields; Trenches, Dry wells, Galleries; Curtain Drains; Biomat; Septic Failures; Transit work and Surveys; Septic Design: MLSS, plans and sketches, forms, etc.

The school will cover all sections of 19-13-B103 and 19-13-B100a of the CT Public Health Code, Technical Standards and the Design Manual for subsurface sewage disposal systems. Example questions of the type encountered on the Installer exam will be covered. Practical exercises will be

assigned for class work and field-encountered problems will be discussed. Students will need to obtain a calculator and an engineer's ruler for the course.

Materials for School

The materials you will receive include the updated CT Public Health Code 19-13-B103 & Technical Standards for Subsurface Sewage Disposal Systems (SSDS), Design Manual for SSDS, a Study Guide & other handout.

The Cost of the Installers School is \$245.00 tuition fee for COWRA members & their employees. Non-member's tuition fee is **\$450.00**. Manuals are included in the cost of each course.

COWRA 2014 Pumping/ Cleaning School

COWRA is accepting applications for our 2015 Pumper/Cleaner School. This course will be held on February 19, 2015 at Wesleyan University in Middletown CT. Topics included are- Septic Tanks: design, structure, function; Watersheds and Drainage Profiles; Outlet filters; Port-o-lets, etc.

The school will specifically cover sections of the CT Public Health Code 19-13-B103 General Provisions (pages 5 and 6 in the code) and 19-13-B100a, as well as the Technical Standards Section V on Septic Tanks (pages 28-32 in the code), Chapter 9 on Septic Tanks and Grease Traps from the Design Manual. The majority of the questions on the Pumper/Cleaning exam come from the parts of the Code, the Technical Standards and the Design Manual.

The Cost of the Pumper/Cleaner class for students not taking the Installer course is \$80.00.

Pumper & Cleaner Environmental Expo Indianapolis IN, February 23th through February 26th 2015

The annual Pumper and Cleaner Environmental Expo is the world's largest annual convention and trade show for liquid waste management and sewer / drain cleaning professionals. This year there will be over 540 exhibiting companies, 80 seminars for attendees to choose from.

The education day is scheduled for Monday February 23th 2015 and will be devoted entirely to continuing education. Seminars will continue on Tuesday February 24th 2015 and Wednesday February 25th 2015. A wide range of equipment and new technology that will be displayed at the show. To learn more about the Pumper/Cleaner Expo and how to register to attend, please visit them on the web at www.pumpershow.com or call Julie Gensler, Trade Show Coordinator at 866 933-2653.

Dates to Remember

As of January 1st, 2015, the State of Connecticut will revise Technical Standards for Subsurface Sewage

Disposal Systems (SSDS). COWRA will be covering the new Technical Standard provisions in our 6-week Installer School. This course will begin on January 15, 2015.

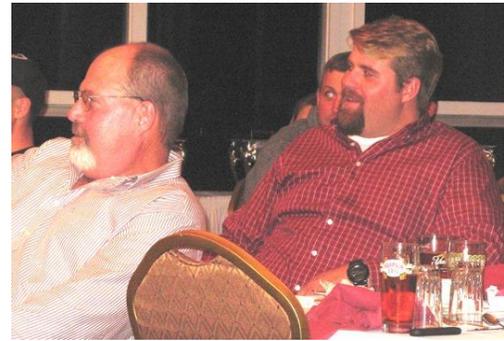
COWRA Membership Renewal Forms must be received by **February 15, 2015**, to guarantee your updated listing in our Consumer Directories. Please return the form promptly.

Installer and Pumper/Cleaner School applications must be in by January 9, 2015 to avoid a \$30 late fee.

A Few More Pics of Our Annual Meeting



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Bill and Jason Walter at the 2014 Annual Meeting

FORWARDING SERVICE REQUESTED

UPDATES!! Registration Information for 2014 State Installers & Cleaners-Exams:
You **MUST** contact the Department of Public Health to register for the Installers & Cleaners Exams. Attendance at the COWRA Installer School **DOES NOT** register you for the State exam. Please contact D.P.H. at 860-509-7296 for any information pertaining to your results and license. You may also contact them by going to www.dph.state.ct.us/licensure/apps/subsew.pdf

2014 Examination Schedule Subsurface Sewage Installer/Cleaner

Exam Date	Application Deadline
December 9, 2014	November 21, 2014

The State has not yet released the 2015 test dates.

Connecticut Onsite Wastewater Recycling Association
For a copy of COWRA's 2014 Study Guide please call (860 267-1057)