

DOWRA
P.O. BOX 1696
DOVER, DE 19903
WWW.DOWRA.ORG

DOWRA News

Delaware On-Site Wastewater Recycling Association

Letter From the President – Let's Look Ahead



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2013 is here, but before we go forward, we need to look back at 2012. The Board worked very hard in obtaining national speakers for our 2012 conference in October. We have tried to listen to what the members wanted. An association is only as strong as its members. The more people you have working on a goal, the more you will reap from it. The industry is changing and we must stay up-to-date with the changes.

That is why it is important for you to get involved in your state association (DOWRA) and the national association (NOWRA). You as an environmental technician need to have all the right tools to do the best job for your customers.

Our first meeting of the new year will be March 12, 2013 at the Delaware State Fairgrounds at 6:00 pm. This will also be our first annual business meeting where we will show you where the money has been spent. We will also discuss what we need to do to keep the association strong. This is your association and it will be a good time for you to tell the Board what you would like to see us doing. Don't be the one who stands around and let your business be run by someone else. Have a say in where it is going. I look forward in seeing you at the next meeting.

Your DOWRA President, Hollis Warren

DOWRA Committees Seek Volunteers

In order to shape the organization, DOWRA relies on its committees for direction. Currently we have the following active committees: Education; Bylaws; Membership; Del Tech; Conference; Activities; DOWRA/DNREC Partnership; Website; and Newsletter. We are always looking for committee volunteers, so if you would like to participate please contact the corresponding committee chair:

Education

Eric Valentine, ericv@epandsweb.com or Dan String, dstring@greenstone-eng.com

Bylaws

Hollis Warren, htwarrent430@aol.com

Conference

Niki Glanden, firelady49@aol.com

Website/Newsletter

Steve Rohm, rohmassociates@yahoo.com

DOWRA/ Del Tech

Dan String, dstring@greenstone-eng.com

Membership

Ken Walsh, mks1@aol.com

Activities

Kevin Sockriter, kevinncp@verizon.net

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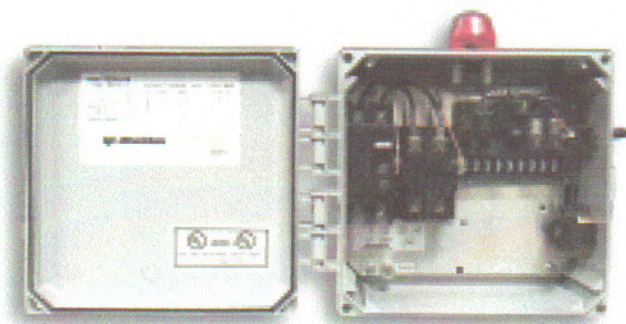
RELAY LOGIC VS. DIGITAL CONTROL PANELS

Which One is Right for My Application?

In our industry, control panels are widely used in many onsite applications to control pump functions, monitor pumps, and alarm when certain conditions occur. Control panels also provide the user accessibility to service the application such as electrical disconnects, manual override, and testing functions.

One of the most frequently asked questions about controls panels is "Which one is right for my application?" The sheer number of control panel products available in the market today can be overwhelming and confusing to customers.

The good news is, with a little guidance, a solution is available to meet most application needs. After determining basic application needs, customers are faced with the decision of relay logic vs. digital control panels. Often they don't understand the difference. In this article, we will review the advantages and disadvantages of basic relay logic control panels compared to the more "advanced" digital control panels.



Single Phase Simplex Motor Contactor Control Panel

Let's Review Relay Logic Control Panels

In our industry, relay logic panels have a long history and are known for reliability and being easy to service. Relay logic circuits use a method of basic control by using simple electronic circuits with on and off contacts. The relay contacts are used to control certain functions; let's use the example of a latching circuit in a control panel.

The latching circuit uses a stop and start float working together to provide a greater pumping range. When liquid enters the pump tank, the stop float rises; the pump does not run yet. When the liquid reaches the start float, the float rises and the pump starts. As the pump runs, the liquid level falls and the start float drops. The pump continues running until the stop float drops. The advantage of using the latching circuit is the increased pumping range between the start and stop floats. Relay logic can be used to control test, silence, and auxiliary contact functions, among others.

Typical control panel options for relay logic panels include; alarm flashers, elapsed time meters, cycle counters, and auxiliary contacts. Many of these options require a separate component to be mounted inside the control panel. When a number of options are used in one control panel, the size of the panel enclosure must be increased to accommodate these components. Many installers like larger enclosures, because there is more working room for wiring and servicing.

Disadvantages include a higher cost and many homeowners do not like to see the large panel in their yard.

RELAY LOGIC VS. DIGITAL CONTROL PANELS (CONTINUED)

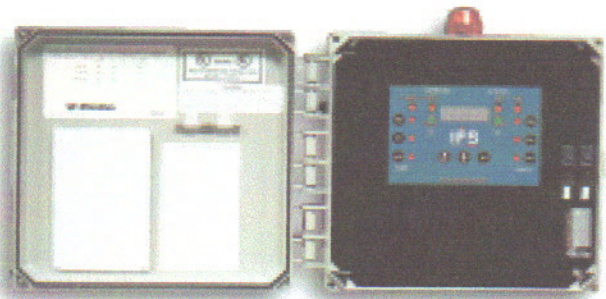
Now Let's Review Digital Control Panels

Digital control panels have been used in our industry for well over a decade. Digital panels use a digital controller, or a "mini computer", to control the logic of the panel. A single digital controller can perform all the functions of a relay logic panel, plus more. Most digital control panels have what is referred to as an HMI (Human Machine Interface) which is typically a display with push buttons. By using this display, we can look at all types of data, such as elapsed pump run time, number of cycles, alarm counts, and float errors. These "standard" features on a digital panel would be "options" on a relay logic panel.

Digital panels are flexible in the field; the panels can be converted from demand dose to timed dose (or vice versa) with the simple push of a button. This is a great advantage for wholesalers who want to stock one panel that can perform both applications; and also for the installer to remedy a troubled drain field by converting the panel from demand dose to timed dose.

Many customers like the small size of digital panels. The digital display reads all of the panel's data, so there isn't a need for separate components, like elapsed time meters or cycle counters that can increase enclosure size for relay logic panels.

Local and state onsite code requirements can influence panel selection. Recently, some codes require panels to include more pump monitoring (ETMs) or alarms for both the pump tank and effluent screen or filter device. These options are available for both relay logic panels and digital panels. Digital panels include pump monitoring as a standard feature and have the option of two separate alarm inputs so you can see what alarm occurred by looking at the panel data.



Single Phase Duplex Digital Control Panel

Troubleshooting onsite systems can be challenging. The first thing to do when troubleshooting is to review the panel information available, including elapsed time meters and event counters. This information can help in determining if the system was overused, water ingress into the tank, or incorrect float settings. Digital panels have an advantage, as they typically have more historical data available. In addition to the elapsed time meter and event counter information, they also offer float error and alarm count information which can be helpful.

There are many variables in selecting the correct panel for your application. We, as manufactures, are here to help you make a good decision and guide you to products that will make your installations easier.

Contact your distributor or panel manufacture if you have any questions. To contact Joe, call 1-888-342-5753 or email joe.zimmerman@sjerhombus.com. To learn more about SJE-Rhombus pump controls, visit www.sjerhombus.com. ■



Joe Zimmerman
Sales Manager, SJE-Rhombus

Joe Zimmerman is Sales Manager for SJE-Rhombus, a leading global supplier of water, wastewater and embedded controls located in Detroit Lakes, MN. Joe's responsibilities include working with OEMs, reps, wholesalers and contractors throughout the United States and Canada.

Joe holds a B.S. degree from Bemidji State University (MN) and has over 15 years of sales experience in the water/wastewater industry. In addition to sales, Joe specializes in helping customers find solutions to their needs and product training.

In his spare time, Joe enjoys hunting, fishing, working on boat motors and spending time with family.



DNREC Regulation Update!- Jack Hayes

please feel free to contact Jack Hayes at John.hayes@state.de.us. Check out www.dowra.org for the link to the reg changes .



Nominations for On-Site Professional of the Year —Steve Rohm

DOWRA and Delaware Tech have partnered together again to honor one of our outstanding industry leaders by awarding them with the On-Site Professional of the Year Award. This award will be presented to someone who has demonstrated outstanding technical excellence and an exemplary work ethic in the field.

Please take a look around you, and decide if someone you know: has made a positive impact on the industry in some way; donates time above and beyond their call of duty; continues to do outstanding work; strives for the best; promotes the industry; and/or takes on innovative or challenging projects. If you answered yes to any of these, then maybe that person should be nominated!

All nominees will be honored with a Performance Recognition Certificate, and the award winner will receive a Recognition Plaque with a \$500 check. Anyone may submit a Letter of Nomination. In submitting a letter, nominators are asked to: Include his or her full name, business title, and contact phone number, and a brief description of the nominee to include accomplishments, work ethic, etc. Nominees during the competition year (2012) must be either: a DOWRA Member, a DNREC licensed professional in the on-site industry, and/or Regulator or academic professional associated with the on-site industry.

Nomination letters must reach Del Tech by March 15, 2012, for review by the Award Committee. You may mail them to: Delaware Technical & Community College; Attn: Hilary Valentine, Environmental Training Center; P.O. Box 610, Georgetown, DE 19947.

If you do not wish to write a nomination, but wish to put forth a potential candidate, please contact Dan String at: dstring@greenstone-eng.com.

COMPLIANCE WITH THE REGULATIONS MEANS SAFETY ON THE JOB

Safety on the job is everyone's responsibility but safety training is the responsibility of the employer. With less work and higher prices cutting into profit these days, don't let it reduce your safety consciousness. Nothing is worse than the senseless loss of life in a preventable work accident. Most accidents are caused by failing to observe safety precautions. If you aren't sure which regulations apply to your industry, above and beyond common sense, please investigate what safety measures are required in your business. The online locations for applicable OSHA safety REQUIREMENTS are listed below. Several schools and agencies offer inexpensive and sometimes free safety training. When excavation or entering confined spaces, ensure that properly trained and certified personnel are on hand for this type of work,

What makes the loss of life or injury even more devastating to a small business is the loss of credibility in the area and possible loss of the business itself. The cost of safety training and the time it consumes pales in the destructive wake of an accident. As a reminder of what actually can occur (in case you've been lucky) read the attached news articles. There are many more instances that you may have read or heard about. Don't let you employees or your self become a victim.

General Construction Safety & Inspection:

<http://www.osha.gov/Publications/osha3252.pdf>

OSHA Construction Regulations:

[http://www.osha.gov/Publications/Const Res Man/index.html](http://www.osha.gov/Publications/Const_Res_Man/index.html)

Worker Killed in Trench Collapse

Tuesday, November 08, 2005

November 8, 2005 -- New Castle County police say a contractor repairing a septic system died today when a trench collapsed, leaving him trapped beneath more than one thousand pounds of dirt. New Castle County police spokesman Corporal Trinidad Navarro says the 32-year-old New Castle resident was working in the nine-foot-deep, three-foot-wide trench shortly before noon when it collapsed for unknown reasons. The man has not been identified.

Investigators believe the man suffocated and that the death was accidental. They believe the weight of the 13-hundred to three thousand pounds of dirt kept him from moving and breathing. The man was one of two contractors working to repair the septic system behind a home in the 200 block of Sugar Pine Drive. The man's co-worker tried unsuccessfully to dig him out. Investigators from the Occupational Safety and Health Administration were on the scene.

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Confined Space Accident Claims Three

2005-10-01

SAINT-JEAN-BAPTISTE, QUE.

A lack of understanding of a confined space and its associated dangers was at the heart of an accident at a Quebec campsite in the summer of 2004 that claimed three lives.

On August 28, 2004, an employee of Camping Lac du Repos, located in the municipality of Saint-Jean-Baptiste, was trying to unclog the outlet pipe of the campground's septic system when the deadly events were set in motion, says information from the Commission de la santé et de la sécurité du travail (CSST).

Steve Villeneuve climbed down into the pumping station adjacent to the septic tank and unlocked the flow pipe, says CSST spokesperson Eric Arseneault. This released a flood of liquid and H₂S from the septic tank into the station, Arseneault says. Villeneuve, overcome, collapsed on the ladder and died.

Campground owner Réjean Royer tried to rescue Villeneuve, but he too succumbed to the gas. Royer fell to the floor and could not be revived. A camper then descended into the station and passed out on the ladder, but was later rescued and revived. Two more campers attempted a rescue, one perishing, Arseneault says.

The CSST estimated the level of H₂S at more than 500 ppm, far above the workplace limit of 15 ppm for 15 minutes of exposure.

Although volunteer firefighters with the municipality of Saint-Jean-Baptiste intervened, the CSST concluded they lacked the appropriate training and equipment for a confined space rescue. As such, a fine of \$5,000 to \$20,000 was recommended by the CSST.

Many volunteer fire departments in Canada are ill-prepared for confined space jobs, says Ron Campbell, president of Acute Environmental Services in Waterloo, Ontario. "Most of them, because of budgets, have their standard air packs for dealing with emergencies like house fires or carbon monoxide in homes, but their equipment is not designed for confined space rescue or retrieval," says Campbell, who trains firefighters in confined space rescue.

A bulky, self-contained breathing apparatus is too large to allow easy entry to, exit from, and movement within confined spaces. Supplied airline systems are a safer option, Campbell says.

Saint-Jean-Baptiste firefighters are now trained in identifying confined spaces during emergencies, but crews have yet to be trained in confined space entry.

An integral part of training is use of rescue equipment, such as harnesses and lifelines, and air monitoring equipment, Campbell says. Also, a standard meter should be used to continuously monitor oxygen, methane, H₂S, and carbon monoxide levels, in and around the confined space, he adds. "Air monitoring helps to set up an exclusion zone while the emergency is going on, because the last thing you want is more victims."

The CSST also concluded that Camping Lac Du Repos failed to do everything necessary to ensure worker health and safety. The campground was not fined, however, because the owner died.

ALL SKILL LEVELS WELCOME

7th Annual Sporting Clay Event March 22nd, 2013



Registration begins @ 9:00 am
Shooting begins @ 10:00 am

Where: Owens Station
12612 Hunters Cove Road
Greenwood, DE 19950

When: Friday, March 22nd, 2013

Time: 9:00 am registration
10:00 pm shoot



Lots of prizes to be given away
after the shoot. Prizes include (3)
shotguns and much more.

\$70.00 per Shooter
Includes: Lunch, Beer, Sodas, Raffle ticket for door prizes

Awards to given:

- Best overall shooter
- 1st Lewes Class (3 deep)
- 2nd Lewes Class (3 deep)
- 3rd Lewes Class (3 deep)
- 1st Place Women's Shooter
- 2nd Place Women's Shooter
- 3rd Place Women's Shooter
- "Worst Shooter"

Limited Number of Shooters
Reserve Your Spot Early!

FAX OR EMAIL REGISTRATION FORMS
BY March 8th, 2013

Fax: 1-302-349-9435
Email: kevinncp@verizon.net

Any questions, please call Kevin Sockriter
@ 1-302-841-0957



Owens Station



Hunting Preserve • Sporting Clays • Dog Center



ALL SKILL LEVELS WELCOME

7th Annual Sporting Clay Event March 22nd, 2013



Registration begins @ 9:00 am
Shooting begins @ 10:00 am

REGISTRATION FORM

total # of shooters ____ x \$70 = \$ _____

Shooter Name: _____

Shooter Name: _____

Shooter Name: _____

Shooter Name: _____

Shooter Name: _____

Shooter Name: _____

Please fax registration forms to 302-349-9435

Please make checks payable to DOWRA.

Please mail checks to: P.O. Box 2001
Greenwood, DE 19950



Any questions please call Kevin Sockriter @ 302-841-0957 or email @ kevinncp@verizon.net

PLEASE DON'T BE LATE!

FOR IMMEDIATE RELEASE

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Jennifer Cisneros

Manager, Marketing Communications

jcisneros@biomicrobics.com

Allison Blodig Recognized with Women in Manufacturing STEP Award

Shawnee, KANSAS – January 22, 2013 – Allison Blodig, Director of Regulatory Affairs of Bio-Microbics, Inc. and NOWRA (National Onsite Wastewater Recycling Association) Board Member, was recently recognized by The Manufacturing Institute, Deloitte, University of Phoenix, and the Society of Manufacturing Engineers with “Women in Manufacturing STEP (Science, Technology, Engineering and Production) Award” for her excellence and leadership in manufacturing. Ms. Blodig joins 121 other woman honorees, representing all levels of manufacturing from the factory floor to the C Suite.

“We are thrilled that Allison’s contributions to Bio-Microbics were recognized by this important new initiative,” said Robert J. Rebori, President at Bio-Microbics, Inc. “With her 11-plus years of dedicated service to this industry and our company, we have benefitted greatly with her technical knowledge and commitment to the environment in matters concerning water.” Ms. Blodig’s Award Profile and background: <http://www.themanufacturinginstitute.org/Initiatives/Women-in-Manufacturing/STEP-Award-Honorees/Blodig/Blodig.aspx>.

“These 122 women are the faces of exciting careers in manufacturing,” said Jennifer McNelly, president, The Manufacturing Institute. “We chose to honor these women because they each made significant achievements in manufacturing through positive impact on their company and the industry as a whole.”

The *STEP Awards* are part of the larger *STEP Ahead* initiative launched by The Manufacturing Institute, Deloitte, University of Phoenix, and the Society of Manufacturing Engineers, to examine and promote the role of women in the manufacturing industry through recognition, research, and best practices for attracting, advancing, and retaining strong female talent.

“The *STEP Ahead* initiative was founded to change perceptions of the manufacturing industry and create new opportunities for women in the sector,” said Latondra Newton, group vice president at Toyota Motor North America, Inc. and chairwoman of the *STEP Ahead initiative*. “This initiative is the call for action to transform the face of today’s manufacturing talent and ensure that women can contribute to the future of this industry.”

A 2011 survey from Deloitte and The Manufacturing Institute found that nearly 70 percent of American manufacturing companies have a moderate to severe shortage of available, qualified workers. Manufacturing companies cannot fill as many as 600,000 skilled positions, even as unemployment numbers hover at historically high levels. Additionally, labor statistics show that women are underrepresented in the manufacturing workforce and in manufacturing leadership ranks — a situation that must be reversed to preserve and grow the industry.

On February 5, The Manufacturing Institute and its *STEP Ahead* initiative partners will recognize the 122 recipients of the STEP Awards at a reception in Washington, D.C. The STEP Awards program will highlight each honoree’s story, including their leadership and accomplishments in manufacturing.

[View the list and profiles of all STEP Award honorees.](#)

For more information, contact Bio-Microbics, Inc. at 913-422-0707, sales@biomicrobics.com, or visit the website at www.biomicrobics.com.

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About the Manufacturing Institute

The Manufacturing Institute (the Institute) is the 501 (c) 3 affiliate of the National Association of Manufacturers. As a non-partisan organization, the Institute is committed to delivering leading-edge information and services to the nation's manufacturers. The Institute is the authority on the attraction, qualification, and development of world-class manufacturing talent. Visit www.themanufacturinginstitute.org

About Bio-Microbics, Inc.

Headquartered in Shawnee, Kansas with a marine division in St. Louis, Missouri, Bio-Microbics has over 42,000 installations of wastewater, stormwater, and water treatment systems in over 60 countries. Bio-Microbics was named 2011 Kansas Governor's Exporter of the Year and were honored with a 2012 President's "E" Award for Excellence in Exporting. Designed for the single-family homes, multi-family residential properties, small communities, commercial applications, and marine vessels, Bio-Microbics pre-engineered, pre-packaged, certified, "Fixed Integrated Treatment Technologies" (FITT®) are the result of decades of real world operating history and proven results that offer significant environmental benefits...FITT® for the Purpose Intended. Visit www.biomicrobics.com and www.sciencofast.com.

BACKHOE RODEO—2012 WINNER



Brian White of C. White & Sons, Seaford was the 2012 Backhoe Rodeo.

Thanks,

Carol Evans

I do not know who the person is to the left (maybe Hilary might know him)

I'm sure Hollis or someone could give you some info about the other winners.

2013 DOWRA Calendar of Events!

February

February 28 –March 1 , Delaware Rural Water Association Conference
Delaware State Fairgrounds -Harrington, DE

March

March 12, Board/Membership/Annual Business Meeting
6:00 pm Pizza, 7:00 pm meeting starts
Board Room, Exhibit Hall, Delaware State Fairgrounds

March

March 22, 2013 Owens Station Sporting Clays – 12612 Hunters Cove
Road Greenwood, DE 19950 / Contact: Kevin Sockriter: 302-349-5528

May

May ? , On-site professional of the year award
Del Tech, Owens Campus-Georgetown, DE

June

June ? , Board/Membership Meeting,
6:30 pm Pizza, 7:00 pm meeting starts
Board Room, Exhibit Hall, Delaware State Fairgrounds

August

August 14, 2013, 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 ? , Board/Membership Meeting
6:30 pm Pizza, 7:00 pm meeting starts
Board Room, Exhibit Hall -Delaware State Fairgrounds

September TBA DOWRA Annual Golf Tournament
12:00 pm, at Jonathans Landing Golf Course (Shotgun Start) -Magnolia

October

October ___? Annual DOWRA Conference
Location : Dover Downs

CHECK US ON
THE WEB!!!

Find all of our events on
our website at
www.dowra.org



Registration information
will be available for all
events on the web!