

President's Message

What Has O2WA Been Doing for Members This Summer?

It has been a busy summer for the Leaders and Volunteers of O2WA.

First off we are excited to announce that the decision was made this summer to hold the 17th Annual Onsite Wastewater Conference & Tradeshow on March 11 and 12, 2011 in Eugene, OR at the Valley River Inn. This is a great opportunity to network, earn 12 hours of continuing education units and explore the tradeshow. We hope to see you there.

First time event took place this summer, O2WA sponsored a community outreach booth at the Oregon State Fair. Our goal, as per our mission, is to provide education to the public. We accomplished this through hand outs and Home Owners Guide published by the USDA, EPA and O2WA. The homeowners were directed to find a septic service provider at the O2WA website. Over 500 home owners throughout Oregon and Washington stopped by the booth in the 5 days we were there. It would not have been possible without the commitment of the members: Zan Ewing, Chair, Michelle Anderson, Randy Arts, Will Austin, Robb Barnes, Liz Blain, Dan Buss, Trent Clinkscales, Felice Cooper, Chuck Costanzo, Mike Hamer, Brannon Lamp, Alex Mauck, Ryan Meyer, Larry Olander, Mike Olmsted, Phillip Rissel, Steve Rose, Terry Shankle, John Smits, Richard Taylor, Robert & Barbara VanCreveld, Rod Widows and Jan White.

O2WA Planning Session - Two additional activities that will support our members. "Day at the Capitol" & the Annual Members Meeting to be held in the fall separate from the annual conference. More information will be coming out on these two events. Watch for how you can get involved.



Enclosed in this newsletter is a Ballot for member approval to change the number of board members. The goal is to have a member at large fill a seat. Please send in your vote by October 12th.



Summer Issue 2010



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Water Tightness – It's Not Just Important, It's Critical

by Brian Rabe, CPSS, WWS

The concept of water tightness is talked about in general terms quite often and I think everyone would agree it is important. However, I don't know that the specifics and details get enough attention. Since I started working in this industry 24 years ago, I have observed too many instances where what looked tight during construction turned out to be less so when the rains started and the water table appeared. The testing criteria in the rules are focused on the tanks and piping. That being said, I believe the testing techniques and consistency with which they are applied varies tremendously.

The impact of any leaks is potentially huge. Any of us that have worked with pressure distribution know that a small hole (1/8-inch diameter) with only 5 feet of head will pass nearly half a gallon per minute. That is over 700 gallons per day, or about 3 times the average usage of a typical residential system. Leaks that small can be hard to detect, but the impact on the system is tremendous. And the potential magnitude of the problem gets bigger in a hurry. I have seen leaks amounting to tens of thousands of gallons per day. Finding them can sometimes be a challenge.

Another point to remember is that places that allow water in during the wet weather can let water out during dry weather. Exfiltration can represent as much of a risk to human health and the environment as infiltration.

About 15 years ago, after experiencing a number tanks that leaked after initially passing a water tightness test, I developed an approach that I have used and expanded ever since. The initial experiences started with two-piece tanks that were assembled in the field. Each manufacturer had their own seam design and sealing technique. Some worked better than others. But depending on workmanship and attention to detail, any one of them could turn into a "leaker."

I was aware of a material commonly used in well construction, called bentonite, from working with my geologist co-workers. Bentonite is a naturally occurring clay that has an extreme ability to swell when it absorbs water. It is used to create a seal along the well casing to prevent surface and near-surface sources of contamination from short-circuiting down the bore hole to the aquifer. Initially, I started specifying a band (about 6 inches wide by 6 inches tall) all the way around field seams on tanks. This works great as an insurance policy against infiltration. I now also include specifications for factory seams (cold joints) and would recommend using it around any patches of cracks, rock pockets, or other imperfections.

However, as one installer pointed out to me, it may not be as effective going the other direction (exfiltration). He is right. That is why the critical detail to remember is that bentonite is no substitute for proper initial construction (materials and workmanship). The bentonite is effective at sealing small cracks and other minor imperfections, but the larger the opening and the greater the pressure the less likely the bentonite will hold.

Bentonite in place around riser connections and field seam prior to backfill.



Over time, I have experienced numerous other instances where other underground elements of the system have experienced infiltration. Examples include pipe penetrations, both through the tanks and through the risers. Grommets only start watertight if they are installed properly which includes creating a smooth hole of the proper dimensions coupled with maintaining material cleanliness throughout the installation process followed by proper bedding and support throughout the backfilling process. It doesn't take much of an imperfection to have a grommet end up a potential leaker from the start and a little differential settling after the fact will only make matters worse. This applies to gasketed joints and rubber couplers on gravity piping as well. I began specifying the placement of bentonite around pipe penetrations a few years ago as insurance, but again, it is no substitute for proper workmanship.

Risers are another potential source of leaks. Even PVC riser material can have imperfections. I have seen ribbed risers (spiral type) weep at the factory seams, although I think that phenomenon is rare. More often, I have seen leaks through the epoxy at connection points and splice joints. This is most often due to poor workmanship.

Water Tightness continued...

Close attention to detail is necessary to make sure that any air pockets in the epoxy are sought out and addressed. It is far easier to get it right during the initial installation than to have to dig it up, often in less than ideal conditions, to fix it. Care needs to be taken during storage of riser stock since it doesn't take much time on a hot summer day for the material to become distorted (out of round) if laying on its side. This results in a tight fit for a portion of the joint where there ends up being very little epoxy coupled with very large gaps elsewhere that must be filled with epoxy. It is also critical to allow enough time for the epoxy to cure in order to attain sufficient strength prior to applying sources of stress, such as installing splice boxes, hose and valve assemblies, or backfilling. I also specify a ring of bentonite around riser joints and splices, just in case.

A good example of properly supported and bedded pipes with the risers and pipe penetrations reinforced with bentonite.

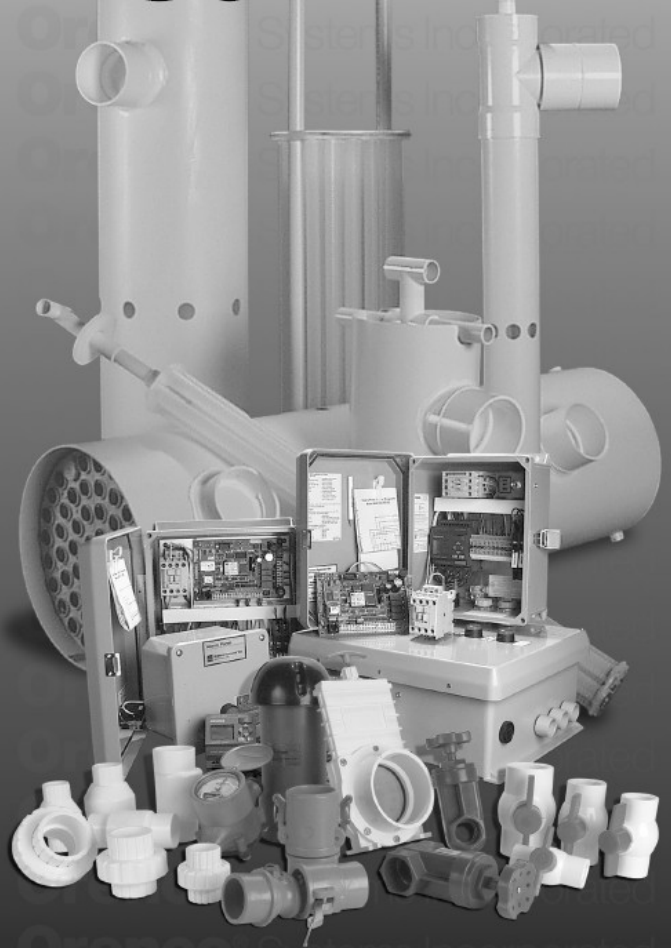


Note the field seam on the tanks has not yet had bentonite applied. A couple of seemingly minor air pockets in the epoxy resulted in leaks (I hope you can see at least two steady streams in the photo) amounting to thousands of gallons per day for a couple of weeks when the water table temporarily rose up during a period of very high rainfall.

Another good reason to make sure the materials and workmanship are the best they can be prior to applying bentonite for insurance is repair conditions. If you ever have to dig into the area where the bentonite is, it will be a sticky, gooey mess. If you can, it is always best to install system components as shallow as possible to reduce the exposure of potential sources of leaks to the water table as well as the driving force (head or pressure) that affects the rate of flow. I could easily go on for an hour . . . and maybe I will at the next conference!

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Recent Enforcement Actions at DEQ

By Randy Trox

Below is a list of enforcement actions that occurred in the Onsite Program between 5/01/10-7/31/10. There's nothing special about those dates, I am just framing recent activities. Enforcement actions take time and some may not be resolved as of this writing.

Formal Enforcement

DEQ performed the following enforcement actions:

Department of Environmental Quality has issued a \$94,283 penalty to Yumyung Corporation of Beaverton for failing to comply with conditions of the wastewater discharge permit for the septic system that serves the Warren County Inn located in Clatsop County. DEQ issued a penalty to Yumyung Corporation for failing to ensure proper operation of the septic system and allowing it to fall into a state of disrepair. In addition to receiving a penalty, Yumyung is now required to submit construction plans for repairs for DEQ approval and to perform the necessary upgrades in accordance with a corrective action plan developed in May 2008. The amount of the civil penalty represents the estimated economic benefit Yumyung gained by failing to take steps to correct the problems with the septic system. However, DEQ may reduce the penalty if upgrades are completed as outlined in the corrective action plan. Yumyung Corporation appealed the penalty on June 15, 2010.

Expedited Enforcement Offers (EEOs). Generally, it is a more efficient process designed for violations with low environmental impact and a first time offense. There is a reduced penalty (40% of the Class I Moderate base penalty amount). The Onsite Program's costs are paid 100% by fees and any civil penalty money collected is paid to the state's General Fund. EEOs help address program violations in an efficient manner.

DEQ's Onsite Program issued 8 EEOs:

- 1 was for a contractor who installed a septic system without a license or a permit.
- 1 was for a licensed pumper who disposed of septage in a location not approved by DEQ
- 2 were for installing without a permit
- 4 were performing sewage disposal services without a license.

Other Enforcement:

- A Pre-Enforcement Notice, also called a PEN, was issued to a pumper for continuing to perform sewage disposal services without a current license. This pumper had previously received an EEO and will be subject to formal enforcement action.
- A PEN was issued to a mobile home park for operating a septic system that was discharging sewage to the ground surface and will be subject to formal enforcement action.
- 1 Warning Letters w/Opportunity to Correct was issued for installing a septic system without a permit in southern Oregon.
- 3 Warning Letters for WPCF-onsite permit violations; including failing to meet permit requirements, exceeding design flow to the system and failing to monitor and maintain the system

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Onsite Sewage Disposal System Funds (LC 848)

Oregon Legislatures will reconvene in February 2011.

Watch for more information and how you can make a difference.

O2WA leaders are tracking Rules and Legislation that will impact members and the onsite industry.

What is the Onsite Wastewater Management Program?

Over 30 percent of Oregonians dispose of wastewater from their homes and businesses through the use of onsite wastewater treatment systems (septic systems). The siting, design, installation and ongoing operation and maintenance of septic systems are all aspects of wastewater treatment regulated by DEQ. Without this oversight septic systems can fail or malfunction, pollute Oregon's land and waterways with raw sewage and create public health hazards.

DEQ directly manages Oregon's septic system program – often referred to as the “Onsite Program”- in fourteen counties. These counties are called “direct service counties.” Twenty-two counties manage the program under contract with DEQ and these counties are called “contract counties”.

DEQ and the contract counties are also responsible for ensuring that septic tank pumpers have the necessary equipment to safely pump, transport and dispose of the waste from septic systems. This waste is often called “septage.”

In addition, DEQ certifies and licenses installers and pumpers, and reviews and approves products such as septic tanks, alternative treatment technologies and alternative drainfield products.

What is Legislative Concept (LC) 848?

LC 848 authorizes the Environmental Quality Commission, DEQ's rulemaking and policy board, to adopt rules for DEQ to make grants or loans available for the repair, replacement or decommissioning of septic systems. The funds may also be used for the development of community-based solutions for sewage disposal problems provided those solutions comply with applicable land use regulations. The grants or loans would

be based on hardship and would be used to protect public health by helping to fund the repair, replacement or decommissioning of failing septic systems.

LC 848 also establishes a fund (the Subsurface Sewage Disposal System Improvement Fund) that would be used to assist communities in addressing health or water quality problems associated with individual septic systems. A portion of the fund must be dedicated to training programs related to installation, operation, maintenance and technical assistance on individual septic systems. Civil penalties collected from onsite septic system fines would go into the fund, as well as any gifts or grants.

Why is LC 848 needed?

Oregon's onsite wastewater management program receives multiple requests for assistance from many communities in Oregon with known pollution problems from septic systems. Currently all revenue comes from application fees for permits, reports and licenses and the program does not have the funding or capacity to engage in these activities, including outreach and education, training, and coordination with communities.

In addition, DEQ estimates that 10 percent of existing septic systems around Oregon are in need of repair or replacement to protect human health and the environment. Replacing septic systems can be very expensive (generally starting at \$3,000 and can go up to over \$20,000) and there are many property owners in Oregon that cannot afford to replace/upgrade the failing systems.

Alternative Formats

Alternative formats of this document can be made available. Contact DEQ Public Affairs for more information (503) 229-5696.

Last Updated: 8/3/2010
By: Randall Trox
10-WR-002

O2WA At The Oregon State Fair

For the first time, the Oregon Onsite Wastewater Association has placed an informational booth at the Oregon State Fair. We were pleased with the enthusiastic support of members volunteering their time and effort to staff the booth. Since this was our first attempt at this type of activity, and having somewhat limited resources, we decided on a 5-day booth option. The booth was open beginning opening day, Friday August 27th running through Tuesday August 31st of the 11 day fair run

O2WA attempted to provide at least 2 volunteers to staff the booth on each of the 4 x 3-hour shifts. We tried to get people paired from different segments of our industry to give a broader range of experienced people to answer questions and help explain some of the mysteries of the septic system. A number of interesting and helpful brochures and packets were available for visitors to take with them as well as some equipment.

We would like to thank all the people who made this a very successful first attempt! First, Belinda Rasmussen, our executive secretary worked tirelessly soliciting and contacting prospective volunteers, talking with the fair people arranging the booth, finding and obtaining hand-out information to give out at the booth and contacting and working with our sponsors.

All in all, we think this was a very useful and successful first informational fair and learned a lot that will be useful for future events. If you are a member and would like to participate in activities such as this in the future, please email Belinda at info@o2wa.org and let us know.

Special thanks go out to our booth sponsors:

ADS

Aerobic Septic Systems

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King's Pumping Service

Septech Inc

Willamette Greystone

SaniTech Consulting

Volunteers serving the booth over the 5 day

Kim Aldrich	Mike Hamer
Michelle Anderson	Mike Olmsted
Randy Arts	Alex Mauck
Will Austin	Ryan Meyer
Robb Barnes	Larry Olander
Liz Blain	Phillip Rissel
Dan Buss	Steve Rose
Trent Clinkscales	Terry Shankle
Felice Cooper	John Smits
Chuck Costanzo	Richard Taylor



Weird Onsite Stuff

Painful Situations.

So last issue's Weird Onsite Stuff Article was way too serious and fact filled. The whole point of writing this article was to keep septic life fun and weird. So I have decided to share with you my ability to get into weird and sometimes painful onsite situations. I am not choosing to share all of my experiences, because some experiences just shouldn't be shared.

Advice on staying out of painful situations.

1.) Don't wear metal bracelets and stand too close to a hot fence.

So on your very first time going out to evaluate soils on your own, don't get too close to a hot wire when you are wearing a large quantity of metal bracelets on your wrist. If you do, the electricity may arc from the fence to your bracelets, at that time you may fall to your knees and throw up. Its not good, its hard to be excited about evaluating soils after that. Do you stop wearing too many metal bracelets?, No.

2.) Don't assume that brand new soil knives are not sharp.

If you lose your soils knife, you have to buy a new one. If you frequently lose them the county quits buying them for you, just a little piece of info. You should buy the cheap ugly ones, because you are just stabbing them in the soil. These knives may be ugly however they are not dull, they are sharp. Sharp enough to slice the palm of your hand when you are mixing soil to evaluate soils texture. You should have someone take a grinder to the edge, before attempting such a feat. Please remember that it is very hard to texture soil with bandages on your hand.

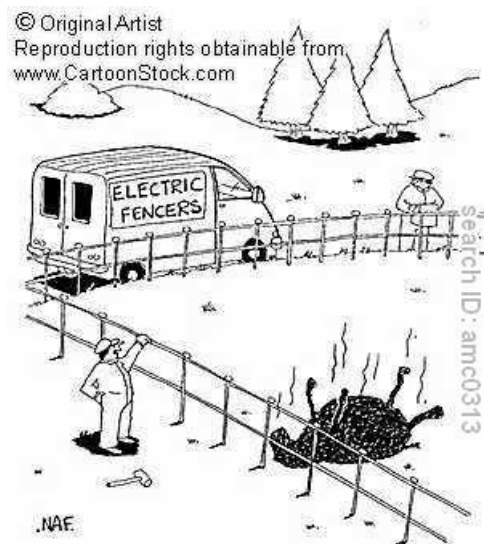
3.) Always know where you throw your soils knife.

Don't get so excited about the soils that you have been looking at, that you don't pay attention where the soils knife lands when you toss it in the front seat of your truck. When the knife gets stuck blade up in between the seat and the seatbelt, and you quickly jump in the truck it can be painful. When you realize that it has cut your pants, and your hip is bleeding pretty good, you also realize that you have to call your boss. That can be painful also, to your ego and pride. Ever think about how you would call your boss and say "Hey Mike, I need to go get a tetanus shot, as I have just sat on my soils knife." Ever think about how that would look on workman's comp paperwork, its not happy.

4.) Never assume that a white string is just a white string.

Electric fences are not just wire anymore, they come in a variety of shapes, sizes and colors. So when you see a white string, wrapped around fence posts, do not lean over it to look at the leaf pattern of a tree. Because if you do, your metal belt buckle may touch it. Depending on the amount of volts running through that baby, it may send you backwards onto the ground and burn your pants in the process. It's hard to look very intelligent lying on the ground after you were shocked so badly that the muscles in your chest hurt and you are lying on the ground amongst the cow patties.

Hope that this advice is helpful.



"Down a few volts yet Harry!"



Oregon Onsite Wastewater Association
 70 SW Century Dr., #353, Bend, OR 97702
 Phone 541-389-6692, Fax 541-389-2832

2010-2011 Class Schedule for the Onsite Wastewater Professionals

Sponsored by O2WA – Instructors: Dan Buss and Zan Ewing

Class Content

Day 1 - #101 NATIONAL INSTALLER COURSE (CIDWT) – 6 Hours CEU's– (OESAC Course #1998)

- INTRO TO INSTALLING WASTEWATER TREATMENT SYSTEMS
- BUSINESS MODELS AND INDUSTRY INTEGRITY
- INSTALLATION PLANNING

Day 2 – #102 NATIONAL INSTALLER COURSE (CIDWT) – 6 Hours CEU's – (OESAC Course #1999)

- SOILS AND SITE CONCEPTS FOR INSTALLERS
- CONSTRUCTION MATERIALS

All courses qualify for continuing education units required by DEQ for renewing your certification and the Oregon CCB extracurricular Continuing Education Requirements.

Course dates and locations subject to change.

CHECK THE DATE(S) AND LOCATION YOU WANT TO REGISTER FOR:

LaGrande	Course #101 <input type="checkbox"/> November 4 th	Salem	Course #101 <input type="checkbox"/> November 18 th
	Course #102 <input type="checkbox"/> November 5 th		Course #102 <input type="checkbox"/> November 19 th
Coos Bay	Course #101 <input type="checkbox"/> December 2 nd	Central OR.	Course #101 <input type="checkbox"/> December 16 th
	Course #102 <input type="checkbox"/> December 3 rd		Course #102 <input type="checkbox"/> December 17 th
The Dalles	Course #101 <input type="checkbox"/> January 13 th	Eugene	Course #101 <input type="checkbox"/> January 27 th
	Course #102 <input type="checkbox"/> January 14 th		Course #102 <input type="checkbox"/> January 28 th
Portland	Course #101 <input type="checkbox"/> February 3 rd	Grants Pass	Course #101 <input type="checkbox"/> February 17 th
	Course #102 <input type="checkbox"/> February 4 th		Course #102 <input type="checkbox"/> February 18 th

REGISTRATION FORM & PAYMENT DUE 7 DAYS PRIOR TO SCHEDULED CLASS

Name: _____ Company: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone: (____) _____ Fax: (____) _____ Email: _____
 DEQ Installer Certification #: _____ Your number is available at the DEQ website.

MAIL REGISTRATION AND PAYMENT 7 DAYS PRIOR TO SCHEDULED CLASS:
 O2WA - 70 SW CENTURY DR., #353, BEND, OR 97702

OR PAY BY CREDIT CARD 7 DAYS PRIOR TO SCHEDULED CLASS: www.o2wa.org following TRAINING link.
 Class subject to cancelation based on minimum number of attendees registered.
 ? Questions ? Call 541-389-6692

YOU MAY ATTEND ONE OR TWO DAYS OF TRAINING.

Discount for O2WA Members. For member information go to www.o2wa.org and follow the Membership tab.

One Day Registration Fee – 6 Hours

CURRENT O2WA MEMBER REGISTRATION = \$150.00 pp
 NON MEMBER REGISTRATION = \$175.00 pp

Discount for Two Day Registration – 12 Hours

CURRENT O2WA MEMBER REGISTRATION = \$275.00 pp
 NON MEMBER REGISTRATION = \$325.00 pp

O2WA June Training

By Zan Ewing

O2WA held a daylong, 6-hour (.6 CEU) continuing education training session June 2, 2010 for Oregon Septic Installers and Maintenance Providers. The training was held at the Benton County Fairgrounds just west of Corvallis.

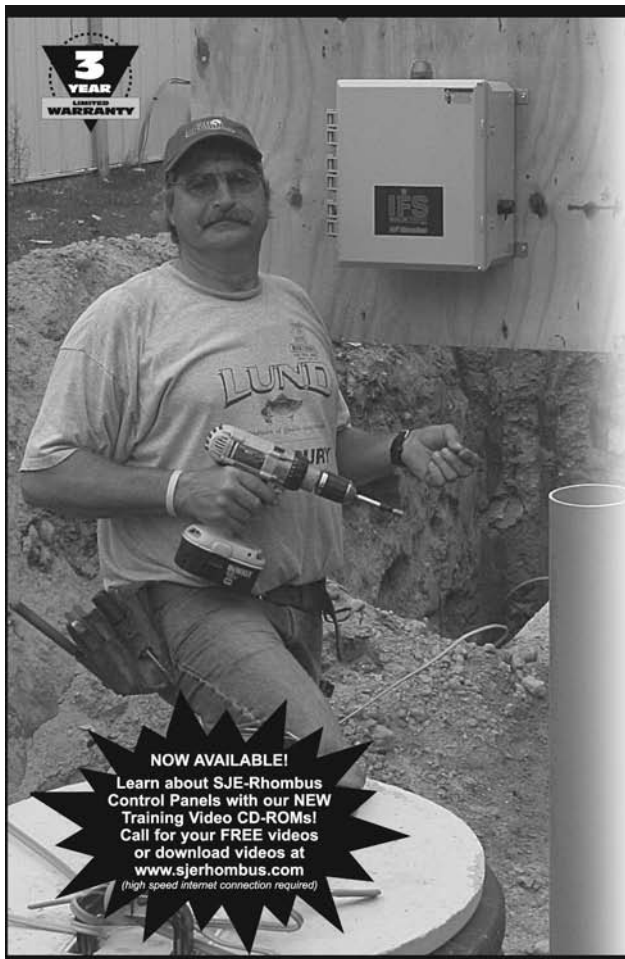
The training was a great success and was a lot of fun for all. Highlighting the program was a 2 hour, hands on soils class given by Will Austin with the Oregon State Soils Department and Kim Aldrich, Yamhill County Wastewater Sanitarian and a former student of Will's. After an hour PowerPoint lecture, Will had the students conduct an evaluation of a soil cross section, attempting to determine a variety of important soil properties including texture, soil colors, structure and estimating drainage properties using criteria given by Will. The students completed a soils worksheet for the soil column that included what they had found in their evaluation. Using the completed soil evaluation worksheets, the students were asked to determine what kinds of septic system might be required in these soil conditions.

Scott Hammerschmith with Orenco Systems Inc. conducted a 2-hour seminar on pumps, panels and controls. The use and benefits of time dosing was discussed as well as how to properly set the timer settings for timed dosing. Calculating hydraulic demand, pump curves, float settings and other pump and control issues were discussed.

Zan Ewing with SaniTech Consulting presented a 2-hour session on septic system troubleshooting. A methodical process of how to approach and investigate septic problems in order to avoid overlooking simple and cheaply corrected problems was demonstrated. It was pointed out that finding and correcting some of these simple problems could result in saving the homeowner thousands of dollars in costly and unnecessary septic repairs. Many photographs and diagrams were shown to illustrate these issues.

O2WA wants to thank Mike Olmsted of United Pipe & Supply who generously provided pizza lunch, coffee and pastries for the enjoyment of the attendees.

Look to the O2WA website at o2wa.org for future training classes to satisfy required continuing education for Installers and Maintenance Providers. Note that these training will also satisfy a major part of the Construction Contractors Board continuing education requirements giving additional value in attending.



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- Hand mode safety feature
- Float status indicators with out-of-sequence alarm
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IFS Duplex Inner Door Shown Here

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2011 Board Member Vacancies

Come be part of the O2WA Board. There will be 3 positions open on the board of directors in 2011. At the 2011 conference we will be voting to fill the following vacancies;



E N G I N E E R

P U M P E R

I N S T A L L E R

This is an opportunity to represent your trade and help make decisions regarding education, design, installation, maintenance, and regulation of onsite septic systems.

Meetings are once a month in Albany or Salem. We need committed individuals, willing to make a difference.

COME JOIN US!

Dennis Hickman, Doug Dilley, Kim Aldrich, Zan Ewing, Robb Barnes, Dan Buss, Scott Davis - Center Randy Trox

Call O2WA @ (541)389-6692 if you are interested or have nominations.

Members Benefit from O2WA Scholarship Program

Congratulations the two scholarship recipients for 2010/11 School year - Kelsey Quinn and Tessa Shankle.

Thank you to the Scholarship Committee - Erik Colville and Brian Rabe for reviewing the applications.

The scholarship program is available to members, family, and those studying in fields related to the onsite industry. The application process starts at the beginning of the year. Members will receive announcement for application. Don't miss this opportunity!

Any student may apply who (1) is an individual, corporate, or honorary member of O2WA in good standing, or a direct relative of an individual, corporate, or honorary member in good standing, who is pursuing an education beyond high school, OR (2) is a non-O2WA member interested in pursuing an education beyond high school through study in fields related to onsite wastewater treatment. In the former case, members or direct relatives of members of O2WA may choose any field of study related or not related to onsite wastewater treatment. In the latter case, students are limited to relevant fields of study that apply to the field of onsite wastewater treatment, including, but are not limited to, public health, environmental science, soil science, engineering, construction technology, or biology. Direct relatives include sons, daughters, grandsons, granddaughters, spouses, and parents (includes step-relatives).

Candidates must be one of the following:

Graduating high school senior or graduate equivalent certified and have been accepted for enrollment in a vocational or trade school, junior college, a four-year college, or a university in any program related to onsite wastewater treatment work, including but not limited to public health, environmental science, soil science, engineering, construction technology, or biology.

Or Enrolled in a vocation or trade school, junior college, four-year college, or university in any undergraduate or graduate program related to onsite wastewater treatment work, including but not limited to public health, environmental science, soil science, engineering, construction technology, or biology. Candidates need not be Oregon residents or attend Oregon schools. Further, O2WA pledges not to discriminate on the basis of race, color, age, sex, marital or veteran status, creed, religion or disability.

Goal:

(1) Promote education in the environmental sciences or other related academic pursuits that tie into the field of on-site sewage treatment, and

(2) Promote the education of members of the Oregon Onsite Wastewater Association (O2WA) and their direct relatives in any field of higher education.

CHANGES TO THE Oregon Onsite Wastewater Association BYLAWS



REQUIRE MEMBER VOTE – Deadline October 12, 2010

The board of directors has accepted the Revised Bylaws on September 1, 2010 to present to the members for a vote.

Members are required to vote on the changes to the composition of the board of directors. Section 5.2 Number and Qualification of Directors will be replaced by Section 2 and Section 3 as listed below. A copy of the revised Bylaws are available for review at www.o2wa.org.

Voting shall be restricted to individual and corporate members. Associate, student, organizational affiliate, and honorary members shall not be allowed to vote.

Mail your vote to: O2WA – 70 SW Century Dr., PMB 353, Bend, OR 97702

OR Email: info@o2wa.org OR Fax: 541-389-2832.

Your vote must be submitted by mail or email by or before October 12, 2010 at midnight.

I _____ accept OR reject the revised Bylaws Article 5 Directors, Section 5.2 as presented below.

Section 5.2 Number and Qualification of Directors. Section 2. Qualifications of Directors and Composition of the Board.

The authorized number of directors shall be ten including the officers. The directors will be elected at the annual association meeting. Directors must be full members of the association. Nominees for positions on the Board of Directors must have demonstrated a commitment to the mission and purposes of Oregon Onsite Wastewater Association, and must have expertise in areas relevant to the needs of the organization. Directors must be voting members of Oregon Onsite Wastewater Association. There shall be at least one member of the Board of Directors representing each of the following interests: manufacturers, engineers, soil scientists, installers, pumpers, septic tank manufacturers, educators, and sanitarians, environmental health specialists, and there shall be two regulators, one representing DEQ an industry at large position, and one representing contract counties county regulator. In the event that no one from the appropriate interest category runs for an open position, then that position may be filled by an otherwise eligible member from any other category, or that position may be left vacant, until that seat is next up for election. The Department of Environmental Quality is invited to appoint a representative as a non-voting liaison to the Board and share the perspective of the DEQ.

Section 3. Number of Directors. The Board of Directors must consist of no fewer than ten and no more than fifteen Directors.

The voting members may create new positions on the Board of Directors by passing a resolution increasing the size of the Board, and then may appoint new directors at that same meeting or at a later time to fill the newly created positions.

Signature _____ Date _____

O2WA I.N.F.O. Industry News for Oregon

Summer Issue 2010



Oregon Onsite Wastewater Association

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Phone (541)389-6692 - Fax (541)389-2832 - www.O2WA.org - info@O2WA.org

O2WA Officers

Scott Davis, President

Brian Rabe, CPSS, WWS, Past President

Erik Colville, PE, Treasurer

Vacant, Secretary

Board of Directors Representing

Engineer - Dennis Boeger, PE

Manufacturer - Felice Cooper

Soil Scientist - Kimberlee Aldrich, EWST

Pumper - Chris Rhodaback

Installer - Dan Buss

Sanitarian - Dan Bush, REHS

Tank Mfg. - Scott Hammerschmith

Will Austin, Education

Brittany May, REHS County Regulator

Randy Trox, DEQ Exofficio

Staff

Belinda Rasmussen, CMM

Committee Chairs

Kimberlee Aldrich, EWST, Newsletter

Scott Davis, Conference

Chris Rhodaback, Conference Site Location

Mike Hamer, Auction & Day at the Capital

Trent Clinkscale, Tradeshow/Sponsors

Dennis Boeger, PE Membership

Felice Cooper, Annual Members Meeting

Scott Hammerschmith, Rules & Rodeo

Dan Buss, Continuing Education Program

Robb Barnes, O2WA Representative

OR Environmental Services Advisory Council (OESAC)

Brittany May, REHS, Website

Zan Ewing, REHS, State Fair

**We want to hear from you.
Contact Information
Available at www.O2WA.org**