onSITE
treatment • technology • innovation • reuse • recycle
Ontario Onsite Wastewater Association Newsletter

inSIDE

4 Message from the President
6 News from the ORWC
7 Rob's World
9 New 2006 Building Code

Vol. 7
Issue 3
December 2006

To submit an article or place an advertisement, contact us.

P.O. Box 599,
5524 Dickinson Street
Manotick, Ontario
K4M 1A5

Technical Review: Terry K. Davidson

Design: RVCA Production Centre

Visit us: www.oowa.org

onSITE is published three times a year by Ontario OnSite Wastewater Association.

OntarioOnsite WastewaterAssociation

Decentralized Technology and the Anti-Growth Backlash

LEGAL COMMENTARY-Part 1

By Elizabeth Dietzmann
Courtesy Forest Communication Onsite Water Treatment Newsletter, Sept/Oct 2006

Recently I had an interesting conversation with Joseph Hankins of the Conservation Fund's FreshWater Institute. For those of you who may not be familiar with the group, it has an informative Web site at www.freshwaterinstitute.org. As stated on the web site, the Freshwater Institute combines applied research, engineering design, and economic development strategies to demonstrate a new vision of conservation that achieves a balance between economic growth and environmental goals. Naturally, with that mission statement, I assumed that Joe would be a fan of decentralized clustered systems—and he is. However, I was surprised to hear that he shared my view that while decentralized technology is less costly and more versatile than gravity sewer, it may be a contributor to urban sprawl if it is not utilized as part of a comprehensive land-use plan. In fact, there is a growing backlash in many parts of the country against decentralized technology precisely because it is so versatile and cost-effective that developers are eager to use it without considering the big picture.

The anti-sprawl movement is gaining momentum in many parts of the country. Loudoun County, VA, has made headlines in a prolonged and heated dispute over lot size. Loudoun County's controversial rural zoning ordinance has been the product of three years of deliberations and public protest, which has included sheep and goats at the county commission offices. Under the new ordinance the existing lot size of three acres was changed to much larger lot sizes. The ordinance was recently tossed out on a technicality by the Virginia Supreme Court, which has caused a modern-day land rush as developers hurry to get subdivisions platted under the old zoning ordinance. A second new zoning ordinance, which the county planning commission began reviewing in January, is not quite as restrictive as the first one but would achieve largely the same goal: to radically limit home building and preserve the rural nature of the west part of the county. A Jan. 8 article in The Washington Post summed up the new ordinance: "The ordinance proposes to divide the western part of the county into two large areas. In one, the proposal would allow lots of 10 acres each, and in the other lots of 20 acres each, as long as developers clustered their homes and preserved open space. Lot size would fall to 7.5 and 15 acres respectively in the two areas if developers agreed to pay the county a cash fee of about $37,000 per home. With neither clustering nor cash payments, minimum lot size would rise to 20 and 40 acres respectively."

This new "anti-sprawl" ordinance has received widespread support from the folks already living in Loudoun County. I am sure the western part of the county looks much like it did 200 years ago with its stone farmhouses, rolling horse pastures, and quaint, unpaved roads. Who could blame the people who already have their piece of paradise for basically wanting to shut out newcomers? That is the typical NIMBY mentality. And the Loudoun County folks are willing to take pretty draconian measures in order to preserve it. At least they have the courage to come right out and say, "Hey, we don't want that many new residents, and we are willing to limit our property rights in order to preserve things the way they are." The problems start when communities are both anti-sprawl and pro-property rights. Make no mistake, there are many rural communities like this in the United States. As Joe Hankins

pointed out, only two out of 50 counties in West Virginia have countywide planning and zoning, and West Virginia is by no means unique. The majority of people in rural areas do not want to be told what to do with their land. Just try to get easements signed for a rural water or sewer project!

So for counties or townships like this, the easy solution is to control growth through infrastructure or service function limitations. They do not have the courage to plan, because planning and zoning can be a political hot potato in a strong property rights climate, but it is easy to use restrictions on sewer as de facto zoning. That has worked fairly well. Developers are simply told that they cannot build new subdivisions until central sewer is extended into an area. Central sewer is controlled by local government entities and is expensive to build, so until the political climate changes, growth is indirectly controlled. However, decentralized cluster technology is changing this. With the wide acceptance of decentralized technology by regulators and the management models put forth by the EPA, developers have a great new tool in their toolbox. They can circumvent the de facto zoning by installing affordable clustered systems. This panics the locals, who are suddenly faced with the growth that they hoped to avoid. In addition, as Joe Hankins and I discussed, because these developments are being built in unincorporated areas where there is not any planning and zoning, they are going in without thought to big-picture issues of watershed protection, land use planning, green design, or water reuse, to name a few.

"In clustering arrangements in the designated rural residential areas, a minimum lot area should be required for each dwelling unit, to assure that sufficient land area will be available to provide adequate separation between water wells and drain fields, and a setting for each dwelling that is consistent with the rural character of the Township. A well and septic tank/drain field, or other system approved by the County Health Department should be provided for each dwelling unit in a cluster.... Each dwelling unit and non-residential development should have its own on-site water supply and sewage treatment system that is approved by the Washtenaw County Health Department. Private community systems (water and sewage treatment systems that serve more than one dwelling unit or non-residential use) shall not be permitted in Webster Township.

The Webster Township Master Plan is an incredibly good example of really bad planning, and it has clearly been drafted out of fear of decentralized clustered systems. While I cannot fault the good people of Webster Township from trying to preserve the rural nature of their community, it is too bad that they have taken such a misguided approach. To acknowledge on the one hand that family farms are not going to survive, that population is increasing, and then to condemn the future residents to life on septic systems and private wells as a solution to preserving open space is just ludicrous. Who will monitor the wells? Who will make sure that septic systems are inspected and pumped? Imagine how things will look in 30 years. Family farms will be gone and houses will be scattered all over the township on one-acre lots. The mowed yards and manicured minifarms will do little if anything to protect the natural features and the wooded and wet soil areas referred to in the master plan. Instead, Webster Township should look at truly preserving its rural nature by stepping up to the plate and embracing development.

Instead of allowing folks to put in hundreds of residential wells, and create potential public health problems, which flies in the face of everything Rural Development has tried in the last 50 years to do by the creation of rural water supply districts, they should form a public water supply district and set up a township-wide watershed protection plan. They should insist developers install clustered wastewater systems with increased lot density, and the Township should work with them in the siting and operations and maintenance of those systems. Those clustered systems can be sited in areas that are determined in advance to be less desirable for farming or to have less impact on open spaces. Webster Township should look around at other models. They could follow the Massachusetts or Georgia models and set up safeguards in the event that a centrally owned clustered system was not properly managed. They should also assess impact fees to reflect the cost to the community of new residents on roads, schools, and traffic, instead of trying to limit growth. Clustering development actually makes it easier to deal with the impact on schools, roads, and public services of increased population. Imagine how much harder it will be to plan bus routes, trash pick-up and police and fire protection for hundreds of minifarms versus clustered subdivisions.

Clustered systems as we in the decentralized wastewater field define them, not as Webster Township defines them, can promote water reuse, reduce the impact of manicured yards, and allow agricultural lands to remain as open conservation space if nothing else. It makes no sense to prevent or control growth by relying on backward and primitive solutions for wastewater. On the other hand, it also makes no sense to start shoving decentralized clustered systems in the ground without a plan in place for management, as well as some consideration of the big-picture issues such as watershed protection and open-space preservation. Just because you can use clustered systems anywhere, does not mean you should use them anywhere. The good news is that this type of planning can be done.

Next time I will discuss a county-wide development plan that embraces decentralized clustered systems and review some of the system management requirements that certain states are imposing.

ELIZABETH M. DIETZMANN is an attorney in Rolla, MO. Write to her at edietzmann@earthlink.net

Look for Part 2 in our next issue

EZflow CANADA
The alternative drainage solution to traditional gravel aggregate systems.
Nayadic Wastewater Treatment System

The Future of Drainage...NOW!
Time tested wastewater solutions!
Phone: 519.726.6444 | Fax: 519.726.6211 | Toll Free: 866.303.5692
Email: email@ezflowcanada.com | Websites: www.ezflowlp.com www.nayadic.com

Make-Way Environmental Technologies Inc.

Make-Way Environmental Technologies Inc.

P.O. Box 1869, Exeter, ON N0M 1S7

Phone. (519) 235-1176, Fax. (519) 235-0570

Toll Free. (866) MAKE-WAY (625-3929)

E-mail, itech@makeway.ca Web Site www.makeway.ca

The Most Trusted Name in On-Site Sewage Systems!

"Protecting Our Environment"

We Specialize in On-Site Sewage Treatment!

- Residential
- Commercial
- Communal

1. Whitewater Aerobic Treatment Units.
2. Enviro-Septic Tertiary Treatment Systems. *NEW!

(Small Foot Print, No Electrical or Mechanical Components, Produces Tertiary Quality Effluent)

3. Aquamend Denitrification Units.

1-866-MAKEWAY (625-3929)

www.MAKEWAY.ca

Message from the President (Elect)

This is an exciting time this is for our industry and our association. In our industry we are seeing more new products and innovation, from logic controls and equipment to revolutionary treatment processes and reuse. The challenge for all of us is how to share the information, both technical and practical.

The wealth of knowledge within the minds of our members is a vast resource which can be shared to benefit our industry in so many ways. The commitment to quality and professionalism is a trend that we are seeing more as we become recognized as an industry with a purpose. We do important work, and our future depends on all of us to continue being responsible and conscientious in our endeavours.

We are happy that Al Brown's heart surgery went well, and that Al is feeling much better. At Al's request, I have been handling the President's duties for him the past few months. I am looking forward to Al's return to duty after the conference, and on behalf of the entire membership, wish him a speedy recovery.

I am also very excited about the recent hiring of Mr. Denis Orendt as our Business Development Manager. Denis' business experience and time in the wastewater industry is proving to be a considerable asset to our objectives of increasing our membership base and lifting our level of exposure publicly. On behalf of everyone, I wish a warm welcome to Denis. Please take the time to introduce yourself to Denis when you see him at the upcoming conference.

Thanks as well to all the Members of the Board of Directors for their participation and commitment to the success of our association.

On a final note, our Spring Conference is shaping up to be an excellent one. With the new code changes on the horizon, the topics for discussion are many, and the Conference Committee has developed a great agenda for this year. You should have received your first information cards by now, so book early. I look forward to seeing you all at Deerhurst!

Happy Holidays

JD

Denis Orendt

OOWA Bio:

OOWA is pleased to introduce Denis Orendt as the associations new Business Development Manager.

He started his career in the Process Control Industry working for an engineering firm, doing service and installation of equipment in Ontario's water and waste water treatment facilities. After a number of years he returned to school to complete programs in communication studies and business administration.

He returned to the engineering firm to their sales and marketing department introducing new technology to the marketplace before moving onto business development in other industries.

Denis has more than twenty years experience in sales, marketing, project management, as well as event management experience for both large multinational corporations and small entrepreneurial companies. He is a licensed On Site Waste Water installer and comes to us with sales, design and installation experience.

We look forward to having Denis on board and members are free to contact him at 905-372-2722, fax: 905-372-0322, email dorendt@yahoo.ca

Waterloo Biofilter® Septic System

Residential & Communal

Sewage Treatment Systems

- above or below ground units
- seasonal or year-round cottages & resorts
- 99% fecal coliform removal
- small disposal area, easy maintenance

A Better Choice for Difficult Sites

bedrock, clay, high water table, small lot

143 Dennis St., Rockwood, ON N0B 2K0
Ph: 519-856-0757 Fax: 519-856-0759
www.waterloo-biofilter.com

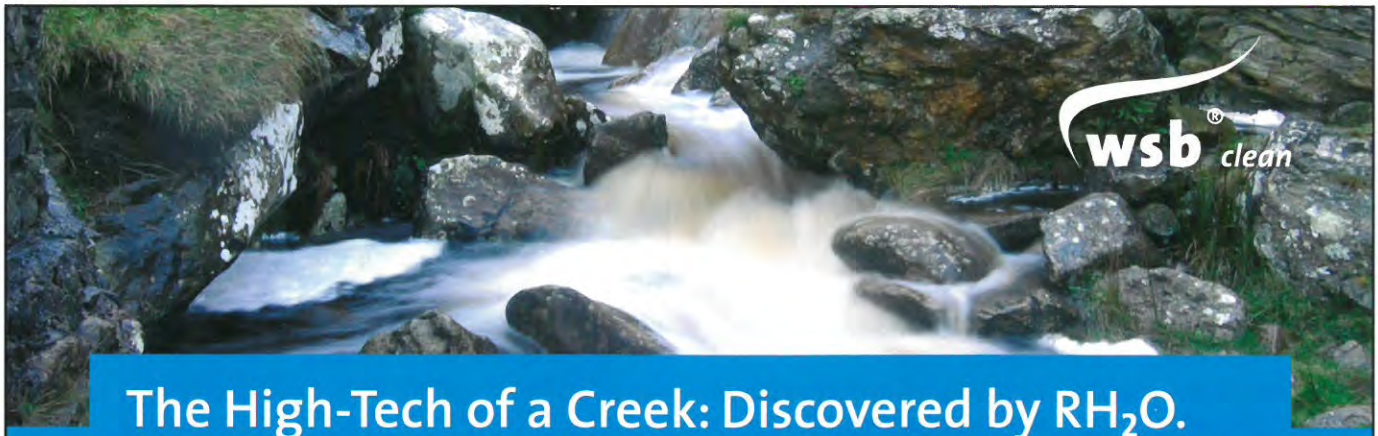
Septic Solutions

The Clearstream Wastewater System uses aeration technology to treat your wastewater.

- **Suits small fully treed lots**
- **Difficult soils**
- **Ideal for cottages, islands and large homes**
- **Unique style**
- **Annual maintenance**
- **Very low operating cost**
- **Environmental enhancements**
- **Excellent reliability**

To order your Clearstream Wastewater System contact:
Northern Purification Systems
Telephone: (905) 729-3212
Toll Free: 1-877-20FECAL (33225)
Fax: (905) 729-4171
E-mail: Tom@norpur.ca

NPS
NORTHERN PURIFICATION SYSTEMS
2614 Concession 4, Loretto, Ontario L0G 1L0



The High-Tech of a Creek: Discovered by RH_2O.

In 2005 a team from Canada searched in Europe for better technology to protect the clean water of North America. They found WSB® clean – a fully biological decentralized wastewater treatment technology. The "fluidized floating bed biofilm process" is a simple robust solution that is modelled on the natural purification process of a creek. The simplicity of this process allows for low maintenance while producing high quality effluent year-round. The WSB® clean system is a long-term and cost effective solution for all wastewater treatment applications. Since 1999, more than 10,000 plants have been successfully installed world-wide. The secret is the High-Tech of a Creek.

RH_2O

THE SYMBOL FOR WATER SOLUTIONS IN NORTH AMERICA

RH2O North America
268 Woolwich Street South
Breslau, Ontario | N0B 1M0

PHONE: (519) 648-34 75
FAX: (519) 648-35 85

WWW.OURH2O.COM
WWW.WSB-CLEAN.COM

News from the ORWC – November 2006

It has been almost a year and a half since I joined Doug, Chris, Anna & Terry at the ORWC, and it has been a busy one! So here is a quick update on what we've been doing this past year.

We have had a lot of exciting research projects on the go this year. In late 2005, we initiated a project with the Ministry of Municipal Affairs & Housing to develop potential technical standards for reinspection of existing onsite systems. After surveying 16 municipalities in the province who are currently conducting their own reinspection program, the project team developed technical standards for all aspects of a reinspection program, including some recommendations regarding risk management. We have submitted the final report to the project team and hope to deliver a talk on the project at next year's conference.

We continue to work with the Ministry of the Environment on developing technical treatment options for septage prior to land application. We have started a new project on Lagoon Stabilization. Thanks to Weber Septic Services in Breslau who provided us with the raw product for our lab trials. Our Alfred team is also conducting a study on the use of reed beds for septage treatment. Our thanks to Goulet Septic Tanking Pumping for their assistance with this project.

We have some new additions at our demonstration site in Arkell. A BioNest treatment unit, the newest alternative unit on the market, has been installed in a 4,500 liter FRALO tank. Thanks to BioNest and Makeway Plastics for their generosity. In addition over the past year we have added a Nayadic treatment unit donated by EZFlow Canada and a FAST donated by Brooklin Concrete. We also welcomed a Japanese delegation to our building last week; they are considering the Ontario market for a new technology!

We had a very busy fall course schedule, and we thank all those in the industry who continue to support us. A special thank you to the City of Hamilton, who sent 25 people this year! We are currently developing a new design course to complement our current advanced design course. This new course will focus on designing for high strength wastewater and larger systems. We are also continually providing specialized courses to various groups around the province, if you are interested please give us a call.

We also have exciting news from Alfred. The ORWC has obtained a significant project to develop training programs for operators of water and wastewater treatment facilities on First Nations. Along with our First Nations partners, ORWC staff will help develop and deliver over 20 courses to First Nations operators across the province.

On a closing note, we would like to extend a warm welcome to Denis Orendt in his new position as General Manager for OOWA. We have also redesigned our website, please visit our new look at www.orwc.uoguelph.ca.

Katherine Rentsch, ORWC

BURNSIDE

Providing Water and Wastewater Solutions

Our On-Site System Specialists can assist you with:

- Approvals and Development
- Design and Operations
- Maintenance and Monitoring
- Sewage Systems Investigation
- Septage Disposal Facilities
- Innovative Technological Solutions

705 446-0515 www.rjburnside.com

Rob's World — Christmas Edition

By Robert A. Passmore, B.Eng.

Well it is almost the end of 2006 and, in the Christmas spirit, I am dedicating this issue of Rob's World to remind everyone of how badly the MMAH has "##@@%%" (censored by editor) on the Onsite Wastewater Industry again this year. Yes, even in the year where the Ministry of Municipal Affairs and Housing (MMAH) rolled out the Performance Based Building Code, Part 8 of the *Ontario Building Code* (OBC), the Onsite Wastewater Industry as a whole, got coal in their stockings again.

Now I cannot say that I was overly surprised by the MMAH's lack of leadership in how they addressed Part 8 of the OBC with respect to the Performance Based Code. MMAH had an excellent opportunity to embrace innovation and provide mechanisms by which new, innovative technologies and design techniques could be seamlessly implemented. Rather the innovative allowance of the MMAH with respect to Part 8 extends only so far as to now require effluent filters, risers to the surface, revised loading rates for shallow buried trenches in low permeable soils and a handful of other "innovative" changes.

Actually, if one looks at what MMAH has implemented in this most recent OBC change, virtually all of these things are already being implemented by many members of the Ontario Onsite Wastewater Association (OOWA). This should come as no surprise to anyone in OOWA, as we have know for many years that MMAH significantly lacks the crucial understanding of the fundamentals of onsite wastewater treatment and disposal technologies and are doing nothing about it.

For years now, I have provided some insight into why I thought the MMAH has done nothing to fill the gap in their understanding, but during this past year, I now believe that I have stumbled onto the answer: The MMAH fears onsite wastewater treatment and believes that if it does nothing to understand or embrace the use of this technology, that it will fall into obscurity and be swallowed up by municipal sewage treatment systems.

Policy advisors at the MMAH respond to issues related to Part 8 of the OBC with a general distain and close mindedness typically associated with those who can't be bothered to think logically about a wastewater treatment issue. MMAH attempts to thwart attempts to introduce innovative treatment technologies by dropping the applicants into a massive series of mazes consisting of deception, confusion and cost from which the applicant seldom escapes with their prize. Moreover, MMAH policy "wonks" in Toronto have become so disconnected from the rest of Ontario, that they fail to make policy that aids the local Regulator in effectively carrying out their jobs.

Indeed, MMAH believes they have us in the Onsite Wastewater Industry right where they want us: divided, discouraged and downtrodden. While all the while, the municipal sewage treatment industry has been standing in the shadows patiently pulling the right strings to out-maneuver us all. Yes, I believe that the underlying reason that MMAH has failed to fix the problems with Part 8 of the OBC is because they want municipal sewage treatment to flourish at the expense of onsite wastewater treatment. For some inexplicable reason, MMAH believes the two cannot coexist in harmony with one another. So they have chosen sides. Municipal sewage treatment wins, and onsite wastewater treatment loses. More disturbing than this, the Province of Ontario appears to have sealed the victory with the 2005 Provincial Policy Statement (PPS). In that document, municipal services are the "preferred " method of servicing and municipalities are now required to "be consistent with" the PPS.

So it would appear, at first glance, that we are beaten and all is lost for onsite wastewater treatment. The municipalities will slowly replace onsite technology with municipal services and our industry will fall into obscurity. I agree that MMAH and the Province of Ontario have won a significant battle, but they have not won the war. In fact, this fight is very far from over.

The United States of America has had this battle waged many years ago between municipal services and onsite technologies. However, onsite wastewater treatment did not lose the battle. Rather, the municipalities began to understand that onsite water and wastewater treatment were fundamental tools in ensuring their prosperity. These municipalities realized the need for preserving and, in fact, encouraging onsite wastewater treatment technologies in areas where municipal servicing was impractical.

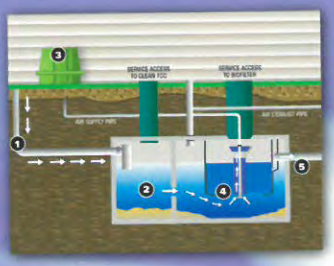
I leave you with this thought. We are in a fight to preserve the onsite wastewater treatment industry in Ontario that we are currently losing. We need to start working together and draw a definitive line at the "grass roots" municipal level. Municipalities are not arrogant and blind to the fact that it costs much more to bring municipal services to a site, then it is to allow the use of onsite servicing. This fact must be exploited.

If you have the opportunity to convey this point to your local municipality, will you step up and help the onsite wastewater industry turn this war around? Now where did I put that bugle and soapbox?

Merry Christmas

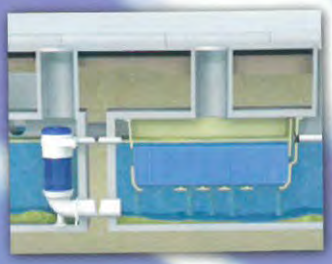
> Your Leader in Wastewater Management

Pinnacle Environmental Technologies offers a diverse range of solutions to meet the needs of you and your clients.



Sanitary Wastewater Treatment

Low O&M secondary and tertiary sewage treatment systems for single family homes, subdivisions, towns and villages utilizing FAST® packaged treatment systems.



Storm Water Treatment

Efficient offline treatment for trash, sand, silt and hydrocarbons using the small footprint BioSTORM® treatment system.

Grease Control

Point of source fats, oils, and grease collection for food preparation and processing businesses.

PINNACLE ENVIRONMENTAL TECHNOLOGIES INC.

Tel: 604.514.7555
Toll Free: 866.514.7555
Fax: 604.514.7595
www.peti.ca

The Quickest Chamber in the Onsite Industry

The Quick4® Equalizer® 36 Chamber is ideal for curved or straight systems, and is the only leaching product installers will ever need.

Quick4 Equalizer 36 chambers are approved under:
BMEC# 01-01-253 for use in Part 8 of the OBC

Benefits:

- Optimal installation flexibility
- Advanced contouring capability
- Multiple piping options

Contact:

Don Krauss, *Area Sales Rep.*
(888) 275-1238
dkrauss@infiltratorsystems.net

INFILTRATOR SYSTEMS INC
1-800-221-4436
www.infiltratorsystems.com

The Final Flush

New 2006 Building Code

The Government of Ontario has introduced a new Building Code with the filing of Ontario Regulation 350/06 (the Building Code) on June 28, 2006.

The 2006 Building Code is written in an objective-based format to promote innovation and flexibility in design and construction. The objective-based Code will continue to contain prescriptive requirements known as "acceptable solutions" that serve as benchmarks for evaluation.

The 2006 Building Code also includes over 700 technical changes. These changes include:

- Significant increases in the energy efficiency requirements for buildings;
- Increased accessibility requirements for buildings;
- More flexibility in the design and construction of small care homes; and
- Updating/simplifying the requirements for small buildings, including houses.

Timing:

Most of the requirements in the next edition of the Building Code will come into force on December 31, 2006. This transition period is intended to give building officials, builders, designers and product manufacturers time to become familiar with the objective-based format and the new technical provisions.

In addition, the Building Code contains a transition provision with respect to permits issued before December 31, 2006, or where working drawings, plans and specifications are substantially completed before December 31, 2006, and an application for a permit is made before March 31, 2007.

TSS The SEPTIC STORE

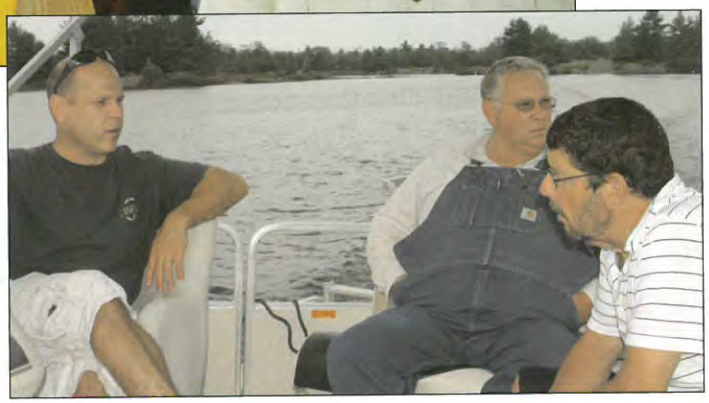
One stop shopping for all your septic needs

Five Locations to Serve You Across Ontario

Distributor of
Tertiary Treatment Systems
Infiltrator Chambers
Septic Tanks • Pipes & Fittings
Effluent / Sewage Pumps & Filters
New Technology Training
Referrals for Engineers & Installers

1•800•798•7472 www.thesepticstore.com

OOWA Board of Directors August 2006 meeting at John Doner's cottage August 2, 2006.



2006/2007 OOWA Board of Directors

Al Brown, President	(519) 743-1780	albrown@limnoterragroup.com
Terry Davidson, Treasurer	(613) 692-3571 ext. 1107	terry.davidson@rideauvalley.on.ca
John Doner, Vice-President	(866) 888-0388	doner@sanitechinc.com
Eric Gunnell	(905) 868-9400	gunnellengineering@rogers.com
Kirk Hastings	(705) 322-0066	kirk.hastings@sympatico.ca
Doug Joy Past President/Secretary	(519) 824-4120 ext. 53048	djoy@uoguelph.ca
Bert Knip	(519) 235-1176	bert@makeway.ca
Philippe Masuy	(613) 738-2991	pmasuy@rogers.com
Tom Musgrove	(877) 203-3225	tom@norpur.ca
Henri Ouellet	(418) 867-8883 ext. 6340	oueh@premiertech.com
Rob Passmore	(613) 226-7381	robsworld@rogers.com
Doug Robinson	(519) 648-2101	info@unitprecast.ca
William Seabrook	(613) 692-2616	w.seabrook@direcway.com
Robert Thomson	(613) 229-9709	linda.thomson@sympatico.ca

Mr. Iggy Ip from Waterloo Biofilter Systems Inc. has stepped down as a director with OOWA to pursue other professional opportunities. We wish Mr. Ip all the best in his future pursuits. Acting in his place until the next annual meeting. is Craig Jowett (519-856-0757).

Ontario Rural Wastewater Centre

On-Site Training, Testing & Research

For current course schedules & research projects, visit our website. Custom courses also available.

www.orwc.uoguelph.ca

Guelph Alfred Baxter

SEPTIC SUPPLY SHOP

- **NORWECO** Treatment Units
- **ADS & INFILTRATOR** Chambers
- **PREMIER TECH** Plastic Septic Tanks
- **ZOELLER** Pumps & Septic Products
- **SIM TECH** Products
- **POLYLOK** Products
- Concrete Septic Tanks
- Septic Tank Manways & Risers
- Effluent Filters
- Control Panels & Timers
- All Pipes & Fittings

Alan Nicholson **(613) 692-2616**

SAND FILTRATION INC.

35-A Shirk Place
Kitchener. Ontario, CANADA
N2K 1R3
Tel. (519)743-1780
Fax. (519)743-1781
Email: albrown@limnoterragroup.com

Orenco Systems®
Authorized Distributor

Sewage Treatment Solutions

modular designs engineered for phased installations
advanced phosphorous and nitrogen
removal options available
disposal options: sub-surface, surface and/or re-use
seasonal or year round use
remote controls & telemetry available
large communal or residential
low energy, easy maintenance
small diameter collection systems (STEP/STEG)

Wastewater Products Distributor and Engineering Design Assistance

sanitech

SANITECH COMMUNAL SYSTEMS INC.

We provide design-build advanced wastewater treatment systems. We specialize in turn-key solutions for residential, communal, industrial, municipal & retrofit.

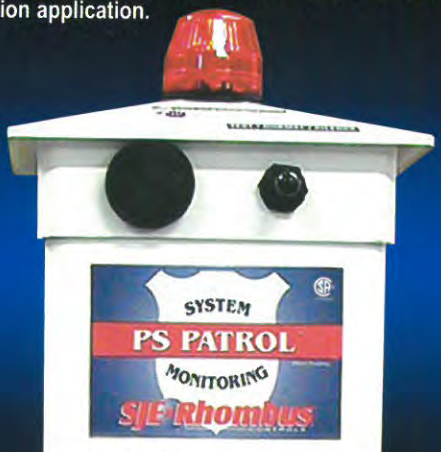
Proven
wastewater
treatment
technology

1.866.888.0388 | wastewater.ca

NOW CSA CERTIFIED

PS Patrol™ Alarm System

SJE-Rhombus announces CSA Certification on the PS Patrol™ alarm system! No more messy wiring or junction boxes! The PS Patrol™ system features a built-in high water alarm and provides a convenient location to connect all wiring required for a pump station application.

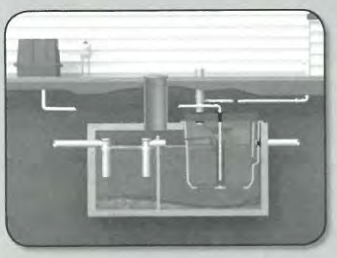


For a distributor near you, please contact:

Jess-Don Agencies, LTD.
Phone: **519-763-1160**
Fax: **519-837-3614**

SJE-Rhombus CONTROLS
www.sjerhombus.com
LR54245

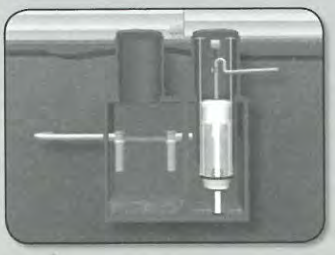
Innovative On-Site Wastewater Products



FAST® Wastewater Treatment Systems:

- Robust, high-performance treatment
- Unmatched nitrogen reduction
- Ideal for single-family homes, clustered subdivisions, high-strength commercial and renovation of failed septic systems.

NSF ETV EPA/ETV Verified Technology



BioSTEP® Screened Pumping Systems:

- An ideal, low-maintenance STEP package for clustered subdivisions
- Exterior cleaning swab for clean-in-place maintenance
- Filtered pump vaults and solids-handling pumps for redundant screening.

Call or e-mail Bio-Microbics today for a FREE information packet.

Better Water. Better World.

BIO-MICROBICS INCORPORATED

1-800-753-3278 • www.biomicrobics.com

OntarioOnsite WastewaterAssociation

Ontario Rural Wastewater Centre

8th Annual On-Site Wastewater Conference & Exhibition

The New Ontario OBJECTIVE BASED CODE "New Challenges & Opportunities"

March 26 - 27, 2007
Deerhurst Resort & Conference Centre
Huntsville, ON