

# THE PIPELINE

SWWA Office: 46 Windfield Road, Regina, SK S4V 0E7  
Phone: (306) 761-1278 Fax 761-1279 E-mail: swwa.office@sasktel.net

SWWA

Saskatchewan Water  
And Wastewater  
Association  
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Birch Hills, SK S0J 0G0  
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E-mail: swat1@sasktel.net  
www.swwa.sk.ca

APRIL 2009

2nd Edition

SWWA ANNUAL GOLF TOURNAMENT

Saturday, June 6, 2009 in Prince Albert, Saskatchewan  
Kachur's Country Club Golf Course  
Shellbrook Hwy – 8 Km. West on Hwy #3  
Registration 9:00 a.m. & Tee-Off Times 10:00 a.m.

Cost: \$60.00 plus \$3.00 GST per person if payment & registration received by May 6  
\$75.00 plus \$3.75 GST per person if payment & registration received after May 6

(GST Registration # R124095159)

**Includes: 18 holes of golf, steak supper, and prizes**

Transportation provided from Marlboro Inn to golf course.

Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
Address: \_\_\_\_\_ Employer: \_\_\_\_\_  
Number Golfing: \_\_\_\_\_ Attending banquet only, not golfing (\$15.00 + \$0.75  
GST) per person: \_\_\_\_\_  
Handi-cap : \_\_\_\_\_ OR average score: \_\_\_\_\_

**Texas Scramble  
Limited Space  
Available**

### Banquet at the Golf Course

Please make cheques payable to:  
**Saskatchewan Water and Wastewater Association**  
Submit this form and your cheque to:  
**SWWA**  
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Thank you to ClearTech Industries Ltd., sponsor of the tournament beer cart

#### Accommodations:

Block of Rooms set aside under SWWA at Marlboro Inn, 67 – 13<sup>th</sup> Street East, 763-2643

**Group Block #1255.** Please give this number when booking your room.

#### Camping:

Shell River Campground, Highway #3 West, across from golf course, 763-3465

Mary Nesbit Campground, Highway #2 North, 763-5454

Note: A limited number of carts will be available for rental on a first come first served basis on Saturday morning after 7:00 a.m. Sorry no reservations will be accepted for carts.



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2 prizes of \$4,000 could be won at this year's tournament. See you there!



# NEW WATER SAMPLING VIDEO

When it comes to measuring water quality, carefully collecting and handling water samples is crucial to ensuring they represent their original environment.


Saskatchewan Research Council's Analytical Laboratories has a video on their website for viewing to help operators follow proper procedures when collecting and submitting a water sample to any lab.

The 15-minute video features employees demonstrating sampling procedures inside the lab and at a nearby pond. The video and additional resources are available online at [www.src.sk.ca/water-sampling](http://www.src.sk.ca/water-sampling). Also on the website, there is a complete alphabetical parameter listing that links to a page that gives complete requirements such as bottle type/storage conditions/preservatives/maximum holding times.

A DVD is also available and SRC will be including it in some bottle orders. It can also be requested at 306-933-6932, or toll free at 1-800-240-8808, if someone doesn't have internet access.


## WORKSHOP CANCELLATION POLICY

Due to an increasing number of short notice cancellations in workshop registrations the SWWA Executive has adopted a no refund policy. There will be no refunds for registrations cancelled in the two weeks prior to the date of the workshop. This policy is effective immediately.



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# Communities of Tomorrow Seeking Municipal Partners

Water infrastructure is an important area of interest for Communities of Tomorrow and its partners. Communities of Tomorrow is a public-private not for profit entity formed to assist in the development of a cluster of companies in Saskatchewan with world-leading expertise in innovative sustainable infrastructure.

“When we talk to municipalities, water and wastewater always emerge as critical areas of interest,” said John Lee, president of Communities of Tomorrow. “As a result we are involved in numerous projects looking at innovative solutions to the challenges in those areas.”

Representatives of Communities of Tomorrow recently met with engineers from Saskatchewan’s 13 largest urban municipalities, both one-on-one, and as a group. Veteran infrastructure engineers Bland Brown and Harlan Ritchie travelled to all of the cities to discuss the status of innovation in their infrastructure, and gauge interest in working with Communities of Tomorrow.

“Bland and Harlan found an enthusiastic interest in pursuing innovative approaches to infrastructure maintenance and construction,” said John Lee. “As a result we’ve had a group meeting with the engineers to look at next steps.”

There is a tremendous opportunity for municipalities to move new ideas forward, by working with Communities of Tomorrow as “living labs”, to field test new concepts initiated by researchers and companies. The result of these field tests can be new practises that save public dollars, extend the life of municipal systems, and ultimately become commercially viable products or processes for communities throughout Saskatchewan and around the world.

“It doesn’t take much to get a living lab partnership going,” said Harlan Ritchie. “Really just an agreement that there is a mutual interest in working together. From there we can move on to connecting municipalities with specific projects that might benefit them.”

Communities of Tomorrow currently has an interest in some twelve projects involving water treatment concepts at various stages of development and completion. They

include: assessment of integrating waste water irrigation with biomass co-generation, development of new sustainable technology for the removal of phosphorus from stormwater runoff, and development of a new treatment method to eliminate pathogens from drinking water, among others.

A full list of projects underway in this field is available at [www.communitiesoftomorrow.ca](http://www.communitiesoftomorrow.ca) (click on Information for Stakeholders).

Communities of Tomorrow provides direct funding to many such projects, but is also critical in building relationships between players in the infrastructure sector. The objective is to match needs with innovative ideas.

“When we innovate, good things happen,” said Communities of Tomorrow President John Lee. “It is through partnerships between researchers, municipalities, and industry that we find the markets for new developments in sustainable infrastructure. In the end it means better services for Saskatchewan people, more efficient municipalities, and economic development as our companies grow.”

If your local administration is interested in working with Communities of Tomorrow contact them at:

## Bland Brown


Phone: 306.949.9536

e-mail: [bbrown@communitiesoftomorrow.ca](mailto:bbrown@communitiesoftomorrow.ca)

## Harlan Ritchie


Phone: 306.536.9961


e-mail: [hritchie@communitiesoftomorrow.ca](mailto:hritchie@communitiesoftomorrow.ca)



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Susan Dobrowney & Rick Hanson, SWWA board members, providing association information to one of the delegates at SUMA Conference trade show, Saskatoon, February 2 & 3, 2009

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Cross Connection Control Awareness	April 6	crn 03-605
Class 2 Water Treatment & Distribution	April 14 – 16	crn 03-606
Class 2 Wastewater Treatment & Collection	April 20 - 23	crn 03-610
Distribution System Maintenance	June 1	crn 03-613
Lagoon Operation & Maintenance Workshop	June 8	crn 03-615

**Palliser Campus**

Lagoon Operation & Maintenance Workshop	April 3	crn 03-780
Cross Connection Control Awareness	April 20	crn 03-776
Distribution System Maintenance	April 21	crn 03-769
Surface Water Treatment Workshop	April 30 – May 1	crn 03-771

**Wascana Campus**

Class 2 Wastewater Treatment & Collection	April 14 – 17	crn 03-764
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Register by phone: 1-866-goSIAST

Note: For Moose Jaw and Regina Workshops phone 1.866.467.4278 contact Bonnie Hagan  
For Prince Albert Workshops phone 1.866.467.4278 contact Karla Smytaniuk  
For Saskatoon Workshops phone 1.866.467.4278 contact Kelsey Campus Registration

Note: When registering for a course or workshop, please use the Course Registration Numbers (CRN#).


Additional course information may be obtained by contacting:

Regina/Moose Jaw	Richard Egroff	1.866.467.4278 or 306.691.8417
Prince Albert	Les Erikson	306.765.1719
Saskatoon	Cal Hicks	306.659.4101

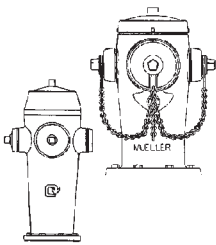
SIAST Water & Wastewater Training Website:  
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# 2009 WORKSHOP CALENDAR

## APRIL 2009

- April 7: Cylinder-mount Chlorinators, (0.6 CEU); Watrous; presented by Dale Heshka
- April 21: Jar Testing (0.7 CEU); Saskatoon; presented by Rick Hanson, Optimize Consulting
- April 22: Jar Testing (0.7 CEU); Saskatoon; presented by Rick Hanson, Optimize Consulting
- April 23: Lagoon Operation (0.6 CEU); Langenburg; presented by Peter Thiele, Ministry of Environment
- April 28: Iron & Manganese Removal (0.6 CEU); Saskatoon; presented by ATAP
- April 29: Lift Station Operation & Maintenance (0.5 CEU); Saskatoon; presented by ITT Water & Wastewater

## MAY 2009

- May 6: Valves, Meters & Piping Attachments (0.6 CEU); Saskatoon; presented by ClaVal, Keystone, Mueller and Robar
- May 6: Math for Operators (0.5 CEU); Whitewood; presented by Sean Bayer, MR2 McDonald & Associates
- May 7: Valves, Meters & Piping Attachments (0.6 CEU); Regina; presented by ClaVal, Keystone, Mueller and Robar
- May 12: **CANCELLED** Valves, Meters & Piping Attachments (0.6 CEU); Weyburn; presented by Sean Bayer, MR2 McDonald & Associates

## JUNE 2009

- June 5: Aging Infrastructure (CEU – TBA); Prince Albert; presented by Al Turner, Al Turner Consulting; Rodger McDonald & Sean Bayer, MR2 McDonald & Associates; and Bland Brown, Communities for Tomorrow. A 5 hour workshop



## ATAP Infrastructure Management Ltd.

### Upcoming A.B.C. Operator Certification Preparation Courses Spring 2009

Jan. 19-23	Class I - Water Treatment & Distribution
Feb. 16-20	Class II - Water Treatment & Distribution
Mar. 9-13	Class I - Wastewater Treatment & Collection
Mar. 23-27	Class II - Wastewater Treatment & Collection
Apr. 20-24	Class III-IV Water Treatment *

(\*If you are interested in ATAP's Class 3-4 Water Treatment Certification Preparation Course, please contact our office directly for information on registration.)

Jan. 14	Confined Space Entry
Jan. 15	WHMIS & Safety
Feb. 11	Spring Maintenance (Collection Systems)
Feb. 12	Water Main Swabbing
Apr. 15-16	Gas Chlorination (2-day)

*(All courses and workshops will be held in Saskatoon.)*

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# Cylinder-Mount Chlorinators

This one-day workshop is aimed at operators of water/wastewater systems where chlorine gas is dispensed with a cylinder-mount vacuum chlorinator. Theory, operation, maintenance and troubleshooting of cylinder mount chlorinators will be discussed and a number of chlorinators will be disassembled and reassembled. One-day workshop.

## WORKSHOP REGISTRATION FORM

**Cylinder-Mount Chlorinators (CEUs to be attributed) - Class Size: Minimum 12, Maximum 15, Lunch Included**

**March 31 – Melville**

**Location:** Community Works Building, Frog Room  
800 Prince Edward Street, across from water tower

Sign In Time: 8:00 a.m. – 8:30 a.m.

Start Time: 8:30 a.m.

End Time: 4:00 p.m.

**April 7 – Watrous**

**Location:** Heritage Room  
Watrous Civic Centre  
404 Main Street, use North entrance

Sign In Time: 8:00 a.m. – 8:30 a.m.

Start Time: 8:30 a.m.

End Time: 4:00 p.m.

---

**Name:** \_\_\_\_\_

**Street Address/Box Number:** \_\_\_\_\_

**City:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_

**Work Phone:** \_\_\_\_\_ **Home Phone:** \_\_\_\_\_

**Deadline for workshop registration:** two (2) weeks prior to date of workshop. All workshop attendees must pre-register and pre-pay. No walk-up registrations allowed and no cheques are to be submitted at the workshop.

**Per Workshop Cost:**

**Member Price:** \$125.00 plus \$6.25 GST - \$131.25 \_\_\_\_\_

**Non-Member Price:** \$175.00 plus \$8.75 GST – \$183.75 \_\_\_\_\_

**2009 Membership + Member Price:** \$165.00 plus \$8.25 GST – \$173.25 \_\_\_\_\_

---

**Complete the following IF you are purchasing a 2009 Membership AND attending the workshop as a member.**

**Work Fax:** \_\_\_\_\_

**Employer:** \_\_\_\_\_

**Position/Title:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

Submit this form and your cheque made payable to:

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# Jar Test Workshop

This one-day workshop is of particular interest to operators working in a surface water treatment facility. It teaches the theory of coagulation, flocculation, sedimentation, dosage calculations and basic laboratory procedures. Participants will actually perform jar tests that will allow them to determine the most economical dosage of coagulant to use for efficient coagulation and flocculation. Commonly available water treatment plant test equipment and chemicals are used. Each person **MUST** bring 20 litres (5 gallons) of their plant's RAW water and samples of their plant's coagulants and coagulant aids to test at the workshop. Also bring a hand-held NTU meter (if you have) and your plant's current coagulant dosage. **Also bring a pen, notebook and calculator.**

## WORKSHOP REGISTRATION FORM

### Jar Test workshop (0.7 CEU) - Class Size: Minimum 10, Maximum 16, Lunch included

**April 21 – Saskatoon**

**Location:** Water Treatment Plant

1030 Avenue H South,  
corner Avenue H South & 11<sup>th</sup> Street West;  
turn South off 22<sup>nd</sup> Street West, West of Idylwyld Drive

Sign In Time: 8:00 a.m. – 8:15 a.m.

Start Time: 8:15 a.m.

End Time: 5:00 p.m.

**April 22 – Saskatoon**

**Location:** Water Treatment Plant

1030 Avenue H South,  
corner Avenue H South & 11<sup>th</sup> Street West;  
turn South off 22<sup>nd</sup> Street West, West of Idylwyld Drive

Sign In Time: 8:00 a.m. – 8:15 a.m.

Start Time: 8:15 a.m.

End Time: 5:00 p.m.

**Name:** \_\_\_\_\_

**Street Address/Box Number:** \_\_\_\_\_

**City:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_

**Work Phone:** \_\_\_\_\_ **Home Phone:** \_\_\_\_\_

**Deadline for workshop registration:** two (2) weeks prior to date of workshop. All workshop attendees must pre-register and pre-pay. No walk-up registrations allowed and no cheques are to be submitted at the workshop.

**No refunds for cancellations within the two (2) weeks prior to date of workshop**

**Per Workshop Cost:**

**Member Price:** \$110.00 plus \$5.50 GST - \$115.50 \_\_\_\_\_

**Non-Member Price:** \$160.00 plus \$8.00 GST - \$168.00 \_\_\_\_\_

**2009 Membership + Member Price:** \$150.00 plus \$7.50 GST – \$157.50 \_\_\_\_\_

**Complete the following IF you are purchasing a 2009 Membership AND attending the workshop as a member.**

**Work Fax:** \_\_\_\_\_

**Employer:** \_\_\_\_\_

**Position/Title:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

Submit this form and your cheque made payable to:

Saskatchewan Water and Wastewater Association  
46 Windfield Road  
REGINA SK S4V 0E7

# Lagoon Operation

This one-day workshop is designed for operators whose community or employer treats wastewater with a lagoon system. It teaches operation and maintenance of wastewater lagoons. Design, construction, theory of operation, maintenance and troubleshooting are discussed.

## WORKSHOP REGISTRATION FORM

### Lagoon Operation (0.6 CEUs) - Class Size: Minimum 15, Maximum 30, Lunch Included

**April 23 – Langenburg**  
**Location:** Langenburg Community Centre  
101 Carl Avenue West

Sign In Time: 8:00 a.m. – 8:30 a.m.  
Start Time: 8:30 a.m.  
End Time: 4:00 p.m.

**Name:** \_\_\_\_\_

**Street Address/Box Number:** \_\_\_\_\_

**City:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_

**Work Phone:** \_\_\_\_\_ **Home Phone:** \_\_\_\_\_

**Deadline for workshop registration:** two (2) weeks prior to date of workshop. All workshop attendees must pre-register and pre-pay. No walk-up registrations allowed and no cheques are to be submitted at the workshop.

**No refunds for cancellations within the two (2) weeks prior to date of workshop**

#### Per Workshop Cost:

**Member Price:** \$90.00 plus \$4.50 GST - \$94.50 \_\_\_\_\_

**Non-Member Price:** \$140.00 plus \$7.00 GST - \$147.00 \_\_\_\_\_

**2009 Membership + Member Price:** \$130.00 plus \$6.50 GST – \$136.50 \_\_\_\_\_

**Complete the following IF you are purchasing a 2009 Membership AND attending the workshop as a member.**

**Work Fax:** \_\_\_\_\_

**Employer:** \_\_\_\_\_

**Position/Title:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

Submit this form and your cheque made payable to:

Saskatchewan Water and Wastewater Association  
46 Windfield Road  
REGINA SK S4V 0E7

# Iron and Manganese Removal Workshop

This one-day workshop is designed to help operators of water systems removing iron and manganese from their raw water: to identify taste, odour & staining problems caused by iron and manganese; to identify removal processes; to provide proper chemical addition; to provide effective filter and backwash control; and to optimize treatment processes and diagnostic techniques. Manganese Greensand operation & maintenance and safe handling of potassium permanganate will also be covered.

## WORKSHOP REGISTRATION FORM

**Iron and Manganese Removal (0.6 CEU) - Class Size: Minimum 15, Maximum 30; Lunch Included**

**April 28 – Saskatoon**

**Location:** Heritage Inn

Airport Drive just off Circle Drive  
turn off Circle Drive toward Saskatoon Int'l Airport;  
Heritage Inn is on west side of road

Sign In Time: 8:00 a.m. – 8:30 a.m.

Start Time: 8:30 a.m.

End Time: 4:00 p.m.

**Please bring a notebook, pen and calculator.**

**Name:** \_\_\_\_\_

**Street Address/Box Number:** \_\_\_\_\_

**City:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_

**Work Phone:** \_\_\_\_\_ **Home Phone:** \_\_\_\_\_

**Deadline for workshop registration:** two (2) weeks prior to date of workshop. All workshop attendees must pre-register and pre-pay. No walk-up registrations allowed and no cheques are to be submitted at the workshop.

**No refunds for cancellations within the two (2) weeks prior to date of workshop**

**Per Workshop Cost:**

**Member Price:** \$165.00 plus \$8.25 GST - \$173.25 \_\_\_\_\_

**Non-Member Price:** \$215.00 plus \$10.75 GST - \$215.75 \_\_\_\_\_

**2009 Membership + Member Price:** \$175.00 plus \$8.75 GST – \$183.75 \_\_\_\_\_

**Complete the following IF you are purchasing a 2009 Membership AND attending the workshop as a member.**

**Work Fax:** \_\_\_\_\_

**Employer:** \_\_\_\_\_

**Position/Title:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

Submit this form and your cheque made payable to:

Saskatchewan Water and Wastewater Association  
46 Windfield Road  
REGINA SK S4V 0E7

# Lift Station Operation and Maintenance

This workshop is aimed at operators of small wastewater lift stations. Operation, maintenance and troubleshooting of end-suction submersible sewage pumps will be explained. A number of small (2.5HP) end-suction pumps will be disassembled and reassembled, and pump rating will be demonstrated.

## WORKSHOP REGISTRATION FORM

**Lift Station O & M (0.5 CEUs) - Class Size: Minimum 12, Maximum 15, Lunch Included**

**April 29 – Saskatoon**

**Location: ITT Water & Wastewater**

3111 Millar Ave. Bay 10  
turn North off Circle Drive, West of  
Saskatchewan R. & railroad track.

There is a large car dealership on turnoff.

Sign In Time: 8:00 a.m. – 8:30 a.m.

Start Time: 8:30 a.m.

End Time: 4:00 p.m.

**Name:** \_\_\_\_\_

**Street Address/Box Number:** \_\_\_\_\_

**City:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_

**Work Phone:** \_\_\_\_\_ **Home Phone:** \_\_\_\_\_

**Deadline for workshop registration:** two (2) weeks prior to date of workshop. All workshop attendees must pre-register and pre-pay. No walk-up registrations allowed and no cheques are to be submitted at the workshop.

### Per Workshop Cost:

**Member Price:** \$125.00 plus \$6.25 GST - \$131.25 \_\_\_\_\_

**Non-Member Price:** \$175.00 plus \$8.75 GST – \$183.75 \_\_\_\_\_

**2009 Membership + Member Price:** \$165.00 plus \$8.25 GST – \$173.25 \_\_\_\_\_

**Complete the following IF you are purchasing a 2009 Membership AND attending the workshop as a member.**

**Work Fax:** \_\_\_\_\_

**Employer:** \_\_\_\_\_

**Position/Title:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

Submit this form and your cheque made payable to:

Saskatchewan Water and Wastewater Association  
46 Windfield Road  
REGINA SK S4V 0E7

# Valves, Meters & Piping Attachments Workshop

This one-day workshop is of particular interest to operators working in water distribution systems. The workshop will discuss application, operation & maintenance of water meters, butterfly valves and pressure reducing valves. It will also explain the purpose and use of couplings, service saddles, repair clamps and tapping sleeves. A six hour workshop.

## WORKSHOP REGISTRATION FORM

**Valves, Meters & Piping Attachments (0.6 CEU) - Class Size: Minimum 20, Maximum 40, Lunch Included**

**May 6 – Saskatoon**

**Location:** Best Western Inn & Suites  
1715 Idylwyld Drive North

Sign In Time: 8:15 a.m. – 8:30 a.m.  
Start Time: 8:30 a.m.  
End Time: 4:00 p.m.

**May 7 – Regina**

**Location:** Best Western Seven Oaks Inn  
777 Albert Street

Sign In Time: 8:15 a.m. – 8:30 a.m.  
Start Time: 8:30 a.m.  
End Time: 4:00 p.m.

**Please bring a pen, notebook and calculator.**

**Name:** \_\_\_\_\_

**Street Address/Box Number:** \_\_\_\_\_

**City:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_

**Work Phone:** \_\_\_\_\_ **Home Phone:** \_\_\_\_\_

**Deadline for workshop registration:** two (2) weeks prior to date of workshop. All workshop attendees must pre-register and pre-pay. No walk-up registrations allowed and no cheques are to be submitted at the workshop.

**No refunds for cancellations within the two (2) weeks prior to date of workshop**

**Per Workshop Cost:**

**Member Price:** \$60.00 plus \$3.00 GST - \$63.00 \_\_\_\_\_

**Non-Member Price:** \$110.00 plus \$5.50 GST - \$115.50 \_\_\_\_\_

**2009 Membership + Member Price:** \$100.00 plus \$5.00 GST – \$105.00 \_\_\_\_\_

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**Complete the following IF you are purchasing a 2009 Membership AND attending the workshop as a member.**

**Work Fax:** \_\_\_\_\_

**Employer:** \_\_\_\_\_

**Position/Title:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

Submit this form and your cheque made payable to:  
Saskatchewan Water and Wastewater Association  
46 Windfield Road  
REGINA SK S4V 0E7

# Math for Operators

The objective of the “Math for Operators” workshop is to provide water and wastewater facility operators with an introductory understanding of everyday mathematics used in the water/wastewater industry. Over the five hour workshop, operators will be provided with both theoretical concepts and practical examples that can occur in a water or wastewater setting.

## WORKSHOP REGISTRATION FORM

**Math for Operators (0.5 CEUs) - Class Size: Minimum 15, Maximum 30, Lunch Included**

**May 6 – Whitewood**

**Location: Whitewood Inn**

Junction of Highway #1 and Highway #9

Sign In Time: 8:00 a.m. – 8:30 a.m.

Start Time: 8:30 a.m.

End Time: 4:00 p.m.

**Name:** \_\_\_\_\_

**Street Address/Box Number:** \_\_\_\_\_

**City:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_

**Work Phone:** \_\_\_\_\_ **Home Phone:** \_\_\_\_\_

**Deadline for workshop registration:** two (2) weeks prior to date of workshop. All workshop attendees must pre-register and pre-pay. No walk-up registrations allowed and no cheques are to be submitted at the workshop.

**No refunds for cancellations within the two (2) weeks prior to date of workshop**

**Per Workshop Cost:**

**Member Price:** \$60.00 plus \$3.00 GST - \$63.00 \_\_\_\_\_

**Non-Member Price:** \$110.00 plus \$5.50 GST – \$115.50 \_\_\_\_\_

**2009 Membership + Member Price:** \$100.00 plus \$5.00 GST – \$105.00 \_\_\_\_\_

**Complete the following IF you are purchasing a 2009 Membership AND attending the workshop as a member.**

**Work Fax:** \_\_\_\_\_

**Employer:** \_\_\_\_\_

**Position/Title:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

Submit this form and your cheque made payable to:

Saskatchewan Water and Wastewater Association  
46 Windfield Road  
REGINA SK S4V 0E7

# Aging Infrastructure

This workshop discusses the historical reasons for our current water/wastewater infrastructure deficit. The workshop will key in on the status and age of our water treatment/storage systems, distribution systems with an overview on the status of wastewater collection systems. Discussion will include dealing with systems as they are now and how one may deal with future water quality guidelines and standards. Deficiencies and future needs and a number of technology options for rehabilitation will be discussed. There will also be a brief overview of asset management. A five hour workshop.

## WORKSHOP REGISTRATION FORM

### **Aging Infrastructure: (CEU TBA) - Class Size: Minimum 35, Lunch Included**

**June 5, 2009 – Prince Albert**

**Location:** Marlboro Inn  
67 – 13<sup>th</sup> Street East

Sign In Time: 8:00 a.m. – 8:30 a.m.

Start Time: 8:30 a.m.

End Time: 3:30 p.m.

**Name:** \_\_\_\_\_

**Street Address/Box Number:** \_\_\_\_\_

**City:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_

**Work Phone:** \_\_\_\_\_ **Home Phone:** \_\_\_\_\_

**Deadline for workshop registration:** two (2) weeks prior to date of workshop. All workshop attendees must pre-register and pre-pay. No walk-up registrations allowed and no cheques are to be submitted at the workshop.

**No refunds for cancellations within the two (2) weeks prior to date of workshop.**

#### **Per Workshop Cost:**

**Member Price:** \$125.00 plus \$6.25 GST - \$131.25 \_\_\_\_\_

**Non-Member Price:** \$175.00 plus \$8.75 GST - \$183.75 \_\_\_\_\_

**2009 Membership + Member Price:** \$165.00 plus \$8.25 GST – \$173.25 \_\_\_\_\_

**Complete the following IF you are purchasing a 2009 Membership AND attending the workshop as a member.**

**Work Fax:** \_\_\_\_\_

**Employer:** \_\_\_\_\_

**Position/Title:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

Submit this form and your cheque made payable to:

Saskatchewan Water and Wastewater Association  
46 Windfield Road  
REGINA SK S4V 0E7

# SWWA EXECUTIVE 08/09

**Rick Hanson**  
President (term ends '09)  
City of Prince Albert  
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Fax: 953-4915  
Email: rhanson@citypa.com

**Rynette Moore-Guillaume**  
Vice President (term ends '09)  
SaskWater  
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Fax: 694-3207  
Email: rynette.moore@saskwater.com

**Mark Krecsy**  
Past President (term ends '09)  
SaskWater  
Email: krecsy.swwa@sasktel.net

**Karlis Van Caesele**  
Director/Treasurer (term ends '09)  
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**Kelly Kish**  
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**Cory McMahon**  
Director (term ends '10)  
Town of Biggar  
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**Susan Dobrowney**  
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Work: 975-2534  
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**Roberta Sinclair**  
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Fax: 242-5089  
Email: aerickson@muellerflow.com

**Peter Thiele**  
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Work: 787-6170  
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Email: peter.thiele@gov.sk.ca

**Gerry Rupchan**  
SIAST Rep  
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Fax: 798-1411  
Email: rupchan@siast.sk.ca

**Gus Feitzelmayer**  
SWWA Training Coordinator  
Work: 781-4996  
Email: swwa.training@accesscomm.ca

**Monique Will**  
SWWA Office Manager  
46 Windfield Road, Regina, SK S4V 0E7  
Work: 761-1278  
Fax: 761-1279  
Email: swwa.office@sasktel.net

**EMCO** CORPORATION



## WATERWORKS

37410 Yellowhead Road, Saskatoon, Saskatchewan S7K 3J7

### George Tisserand

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Cell: (306) 221-0339  
gtisserand@emcoltd.com

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### D.J. (DAN) LANDRY, B.Sc.A.

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Unit 305, 2265 Pembina Highway  
Winnipeg, Manitoba R3T 5J3