

THE PIPELINE

SWWA

Saskatchewan Water
And Wastewater
Association
Editor: Bob Turnbull
Box 322,
Birch Hills, SK S0J 0G0
Phone: 749-3532
Fax: 749-3336
E-mail: swat1@sasktel.net
www.swwa.sk.ca

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

MAY, 2008

3rd Edition

SWWA ANNUAL GOLF TOURNAMENT

(Texas Scramble)

Limited Space Available

SATURDAY, JUNE 7, 2008, WEYBURN GOLF & COUNTRY CLUB

Registration 9:00 a.m. and Tee-off Times 10:00 a.m.

COST: \$45.00 plus \$2.25 gst per person if payment and registration received by May 9th, 2008
\$60.00 plus \$3.00 gst per person if payment and registration received after May 9th, 2008

(GST Registration No. R124095159)

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

~ **REGISTRATION FORM** ~



Name: _____ Phone Number: _____

Address: _____ Employer: _____

Number Golfing: _____ Number attending banquet only
(\$15.00 + \$0.75 per person) _____

Handicap: _____ Or average score: _____

BANQUET AT THE GOLF COURSE



Please make cheques payable to **Saskatchewan Water and Wastewater Association**

Submit this form and your cheque to

SASKATCHEWAN WATER AND WASTEWATER ASSOCIATION

46 Windfield Road, Regina, SK S4V 0E7

Thank you to CLEARTECH INDUSTRIES LTD., sponsor of the tournament beer cart

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and

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Waterworks Group

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Two prizes of \$4000 could be won at this year's tournament. See you there!

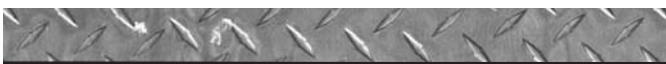
2008 SWWA CONFERENCE TRADE SHOW REPORT

Plans for the 2008 Trade Show are well underway. With the continued use of the huge Salon area of TCU Place this year, our trade show can once again be a great success. We will have 97 booths of equal size to offer our suppliers. Suppliers, watch for your invitation letters to be arriving in early May.

Remember that booths are sold on a first come – first served basis and that faxed in registrations need to be accompanied with payments to hold your booth space. I look forward to seeing everyone in November.

Cory McMahon

Director – Trade Show Chairman



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SWWA CONFERENCE 2008

NOVEMBER 5th & 6th at TCU Place
NOVEMBER 7th at the Hilton Garden Inn
Saskatoon, Saskatchewan

Type of Member: (check one)

Regular:

A VOTING member of SWWA and is an employee involved in the O & M of water and/or wastewater systems within Saskatchewan.

Agency:

A NON-VOTING member of SWWA and is not employed in the O & M of water and/or wastewater systems, but has an interest in this field.

Name:	Employer:
Street Address / P.O. Box:	Position:
City:	Phone (work):
Postal Code:	Phone (home):
	Fax:

Conference Registration Booth will be open

Tuesday, November 4th in the lobby of the Hilton Garden Inn from 6:30 p.m. - 8:30 p.m.
Wednesday, November 5th at TCU Place from 7:30 a.m. - 10:00 a.m.

Regular and Agency Member Conference Package:

All days, all meals, 2009 SWWA Membership, Trade Show & Banquet
All conference information sessions and workshops

FAXED REGISTRATIONS ARE NOT ACCEPTED

	Fee	5% GST R124095159	TOTAL	Amount Paid
Early Bird Conference Package For registrations & payments postmarked by October 1, 2008	<input type="checkbox"/> \$272.00	\$13.60	\$285.60	_____
Conference Package For registrations & payments postmarked after October 1, 2008	<input type="checkbox"/> \$422.00	\$21.10	\$443.10	_____
Additional Options for Conference Delegates:				
<u>Extra</u> Banquet Ticket (per extra ticket)	<input type="checkbox"/> \$40.00	\$2.00	\$42.00	_____
<u>Extra</u> Meal Package (banquet ticket <u>not</u> included)	<input type="checkbox"/> \$90.00	\$4.50	\$94.50	_____
<u>Extra</u> Meal Package (banquet ticket included)	<input type="checkbox"/> \$130.00	\$6.50	\$136.50	_____
SPOUSAL PROGRAM (Maximum Number 45) Name of attendee: _____	<input type="checkbox"/> \$40.00	\$2.00	\$42.00	_____
			TOTAL	_____

2009 SWWA MEMBERSHIP

If you **are not attending** the conference but would like to obtain a 2009 Membership please complete the top of this form and submit with payment

\$40.00 plus \$2.00 GST Total \$42.00

Cheques are to be made payable to: **Saskatchewan Water and Wastewater Association**
Submit form and payment to: SWWA, 46 Windfield Road, Regina, SK S4V 0E7

A limited number "Conference rate" rooms are available until October 1.
Hilton Garden Inn, 90 - 22nd Street East, Saskatoon - Phone: (306) 244-2311
Radisson Hotel, 405 - 20th Street East, Saskatoon - Phone: (306) 667-2365

OPERATOR OF THE YEAR NOMINATION FORM

I WISH TO NOMINATE:

Operator's Name: _____
 Community employed at: _____
 Operator's telephone number: _____
 Years of service: _____
 SWWA member since: _____

Nominator's Name _____
 Nominator's title _____
 Telephone number _____
 Email address _____

CRITERIA Judging will be handled by a committee selected by the SWWA Executive using the following categories for selection. Remember, each category can refer to a Water or Wastewater Plant operator.

1. General Operations (Understands complete operation of the system and equipment.)

10
9
8
7
6
5
Exceptional
Above Average
Average

Comments: _____

2. Aesthetic Quality of Finished Product. (Consistently producing the best possible quality of water the water/wastewater plant allows.)

10
9
8
7
6
5
Exceptional
Above Average
Average

Comments: _____

3. Adherence to Legislative Requirement (Water samples tested regularly, meets min/max requirements of water quality guidelines.)

10
9
8
7
6
5
Exceptional
Above Average
Average

Comments: _____

4. Water/Wastewater Records (Records kept up to date, such as inventory, maintenance, operation logs, lab results, etc.)

10
9
8
7
6
5
Exceptional
Above Average
Average

Comments: _____

5. Preventative Maintenance Schedules (Maintenance performed when scheduled, reviewed and revised annually to meet changing requirements)

10
9
8
7
6
5
Exceptional
Above Average
Average

Comments: _____

6. That "Extra Mile" Service to the Community (Willing to work "above and beyond the call of duty")

10
9
8
7
6
5
Exceptional
Above Average
Average

Comments: _____

To help the SWWA Selection Committee further to judge each nominee please state any pertinent information that you feel the nominee deserves recognition for, such as innovations or cost saving measures used within the operation, any community involvement, volunteer work, etc.

For SWWA office Use Only:	
Operator of the Year Award for the category of (+/- 1,000)	
OCB Certified	

Fax or mail this form to the SWWA office.

Fax Number: (306) 761-1279

Mailing Address; 46 Windfield Road, Regina, SK S4V 0E7

OPERATOR OF THE YEAR NOMINATION INFORMATION

PURPOSE OF THE AWARD . . . Established by the SWWA executive in 1988 to recognize excellence as a water and/or wastewater operator. Two awards will be presented annually: one for populations of 1,000 or less, the other for populations exceeding 1,000.

NOMINATIONS . . . Nominations can be made by: Mayors, Aldermen, Administrators, City/Town Engineers, City/Town Superintendents or Foremen, fellow employees. The nominator will be required to submit written documentation to the selection committee as soon as possible. Deadline is October 15 of each year.

ELIGIBILITY . . . The nominee must be a member of SWWA or affiliate organization and must be certified by the Operator Certification Board. The nominee can be full or part time operator employed by a municipality or industrial water/wastewater utility.

AWARD PRESENTATION . . . The Dale Heshka (over 1,000 population) and the Dave Clark (less than 1,000 population) Operator of the Year Awards will be presented at the annual SWWA Conference.

ATAP Infrastructure Management Ltd.

Upcoming A.B.C. Operator Certification Preparation Courses Fall 2008

Sep. 15-19	Water Treatment & Distribution Class I / Saskatoon
Sep. 29-Oct. 3	Wastewater Treatment & Collection Class I / Saskatoon
Oct. 20-24	Water Treatment & Distribution Class II / Saskatoon
Nov. 3-7	Wastewater Treatment & Collection Class II / Saskatoon

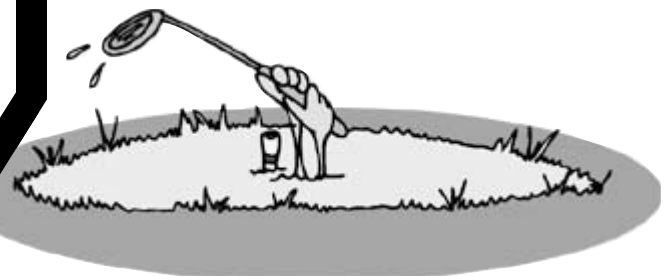
Workshops

Notice of fall workshops will be posted on our website at a later date.

Registration forms and information may be found online (www.atap.ca under "NEWS")

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SWWA CONFERENCE 2008

**NOVEMBER 5th & 6th at TCU Place
NOVEMBER 7th at Hilton Garden Inn**

SUPPLIER WITHOUT A BOOTH REGISTRATION FORM

MEMBER TYPE:

Supplier:

A NON-VOTING member of SWWA and is a company and/or person in the business of supplying goods and/or services to the water and/or wastewater industry.

Company Name: _____

Mailing Address: _____

City / Province: _____ Postal Code: _____

Name: _____ Title: _____

Phone: (work) _____ Fax: _____

Conference Registration Booth will be open

Tuesday, November 4 in the lobby of the Hilton Garden Inn from 6:30 p.m. - 8:30 p.m.
Wednesday, November 5 at TCU Place from 7:30 a.m. - 10:00 a.m.

Supplier without a Booth conference Package:

All days, all meals, 2009 SWWA Membership, Trade Show & Banquet
All conference information sessions, excluding workshops.

***** FAXED REGISTRATIONS ARE NOT ACCEPTED *****

	Fee	5% GST R124095159	TOTAL	Amount Paid
Early bird Conference Package For registrations & payments postmarked by October 1, 2008	<input type="checkbox"/> \$472.00	\$23.60	\$495.60	_____
Conference package For registrations & payments postmarked after October 1, 2008	<input type="checkbox"/> \$622.00	\$31.10	\$653.10	_____
Additional Options:				
<u>Extra</u> Banquet Ticket (per extra ticket)	<input type="checkbox"/> \$40.00	\$2.00	\$42.00	_____
Pipeline Advertisement (Business Card) <i>Submit with form</i>	<input type="checkbox"/> \$150.00	\$7.50	\$157.50	_____
Website Link	<input type="checkbox"/> \$50.00	\$2.50	\$52.50	_____
			TOTAL	_____

2009 SWWA MEMBERSHIP

If additional supplier memberships are required and **are not attending** the conference please complete the top of this form (use separate form per individual) and submit with payment.

\$40.00 plus \$2.00 GST Total \$42.00

Cheques are to be made payable to: **Saskatchewan Water and Wastewater Association**

Submit form and payment to: SWWA, 46 Windfield Road, Regina, SK S4V 0E7

A limited number of "Conference Rate" rooms are available until October 1.
Hilton Garden Inn, 90 - 22nd Street East, Saskatoon - Phone: (306) 244-2311
Radisson Hotel, 405 - 20th Street East, Saskatoon - Phone: (306) 667-2365

CONFERENCE SPONSORSHIP

The SWWA invites your company to participate in sponsorship opportunities for the 26th annual SWWA Conference to be held in Saskatoon, November 5th to 7th, 2008.

Diamond, Gold, and Silver sponsors will be acknowledged in the September issue of the SWWA Pipeline newsletter if sponsorship is received prior to August 22nd.

For further information, view the SWWA website at HYPERLINK "<http://www.swwa.sk.ca>" www.swwa.sk.ca or contact Karlis Van Caesele, Publicity/Sponsorship Chairperson at HYPERLINK "<mailto:karlisvc@sasktel.net>" karlisvc@sasktel.net

Diamond (\$10,000 investment)

- recognition as a SWWA conference partner.
- opportunity to address the delegates.
- prominent sponsorship signage displayed throughout the conference.
- company recognition on all printed material including posters, conference program, Pipeline newsletter, website and display advertising.
- verbal recognition from conference chair at banquet.
- eight complimentary registrations and banquet tickets.
- complimentary trade show booth.

Gold (\$5,000 investment)

- opportunity to address the delegates.
- company recognition on all printed material including posters, conference program, Pipeline newsletter, website and display advertising.

- verbal recognition from conference chair at banquet.
- four complimentary registrations and banquet tickets.
- complimentary trade show booth.

Silver (\$2,500 investment)

- company recognition on all printed material including posters, conference program, Pipeline newsletter, website and display advertising.
- two complimentary registrations and banquet tickets.
- verbal recognition from conference chair at banquet.

Banquet Entertainment (\$1,000 investment)

- prominent sponsorship signage displayed at the banquet.
- two complimentary banquet tickets.

Lunch (\$750 investment)

- prominent sponsorship signage displayed at the lunches.

Breakfast (\$500 investment)

- prominent sponsorship signage displayed at the breakfasts.

Coffee Breaks (\$250 investment)

- prominent sponsorship signage displayed at the coffee breaks.



LEAK DETECTION & AUDIT (0.5 CEUs)

Class Size Minimum 15, Maximum 30, Lunch Included

This workshop will introduce the operator to anticipate through a heightened level of maintenance the possibility of a problem in the water system and will include step by step solutions. A portion of the afternoon includes hands on field training using various types of leak detection tools.

June 4 - Indian Head

Location: Memorial Hall - 423 Grand Avenue

Sign In Time: 9:30 a.m. - 10:00 a.m.

Start Time: 10:00 a.m.

End Time: 4:00 p.m.

Registration Form available on SWWA website



SWWA CONFERENCE AND TRADE SHOW 2008

November 5 - 7, 2008

TUESDAY, NOVEMBER 4

#	Day / Time	Workshop / Session
	6:30 - 8:30 p.m.	Conference Registration
	7:00 p.m.	Exam Session

WEDNESDAY, NOVEMBER 5

#	Day / Time	Workshop / Session
	7:30 - 10:00 a.m.	Conference Registration
1 - TS	8:30 - 9:15 a.m.	Visual Sidewall Scanning: Streamlining Collection and Analysis of Inspection Data - Mike Russin, EnviroSight, LLC
2 - TS	8:30 - 9:15 a.m.	Filter Optimization through Particle Counting - Paul Wong, Capital H2O Systems, Inc.
3 - TS	8:30 - 9:15 a.m.	City of North Battleford WWTP Construction and Operational Challenges - Dwayne Gelowitz & Alex Muroz, Stantec Consulting Ltd.
	9:15 - 9:45 a.m.	Coffee
4 - TS	9:45 - 10:40 a.m.	Benefits of Standby Power for Sewage Lift Stations - Doug Gomiak, Cummins Western Canada
5 - TS	9:45 - 10:40 a.m.	Reclaiming Wastewater as a Valuable Resource - Rodney Sidloski, HELP International
6 - TS	9:45 - 10:40 a.m.	Non-Contacting Flow & Level Management for Water, Wastewater and Stormwater - Ernest Higginson, Greyline Instruments Inc.
7 - TS	10:40 - 11:25 a.m.	Chlorine Safety - Glenn Denby, Brenntag Canada Inc.
8 - TS	10:40 - 11:25 a.m.	SCADA Systems - Aaron Grohn, Comtech (Communication Technologies) Ltd.
9 - TS	10:40 - 11:25 a.m.	Storage Reservoir Water Quality - Bob Hawboldt, Associated Engineering (Sask) Ltd.
	11:30 - 12:30	Lunch
1 WKSHP	12:30 - 4:00 p.m.	Mechanical Pipe Restraint Design - Murray McLeod, Pipeline Supply International Inc. CEUs Awarded
2 WKSHP	12:30 - 4:00 p.m.	Seals are not just Furry Mammals - Sean Carty, John Crane Ltd. CEUs Awarded
3 WKSHP	12:30 - 4:00 p.m.	Solar Hot Water Heating in Saskatchewan - Craig Shearer, Solar Freedom International Inc. CEUs Awarded
	4:30 - 7:00 p.m.	Free Time (Supper on your own) & Trade Show Booths Open
	7:00 - 9:30 p.m.	Watering Hole Ice Breaker & Trade Show

THURSDAY, NOVEMBER 6

#	Day / Time	Workshop / Session
	7:30 - 8:30 a.m.	Breakfast
AGM	8:30 - 9:30 a.m.	AGM - Opening Meeting & Remarks
	8:30 - 12:00 p.m.	Trade Show - Coffee to be served amongst booths at 9:30 - 10:00
	12:00 - 1:00 p.m.	Lunch
4 WKSHP	1:00 - 4:30 p.m.	It's Only Iron & Manganese, It Can Be Treated - David & Phillip Hambley, AWI CEUs Awarded
5 WKSHP	1:00 - 4:30 p.m.	Do you have a Pandemic plan? - Doug Leask, Saskatchewan Agriculture CEUs Awarded
6 WKSHP	1:00 - 4:30 p.m.	Working in Confined Spaces - Marcel Roy, Marcel Roy Safety CEUs Awarded
	6:00 - 6:30 p.m.	Cocktails
	6:30 - 10:00 p.m.	Banquet & Entertainment

FRIDAY, NOVEMBER 7

#	Day / Time	Workshop / Session
	8:00 - 9:00 a.m.	Breakfast
10 - TS	9:00 - 9:45 a.m.	Asset Management for Water & Sewer Utilities - Doug Drever Associated Engineering, IS Strategic Services
	9:45 - 10:15 a.m.	Coffee
11 - TS	10:15 - 11:00 a.m.	Alum Plus - What is it? - Dwight Elmer, Marsulex Inc.
AGM	11:00 - 12:00 p.m.	Reconvene AGM/ Elections
	12:00 - 1:00 p.m.	Lunch - Final Draws & Closing Remarks

SESSION 2 WKSHP – Seals are not just Furry Mammals

This workshop will include the fundamentals of packing and mechanical seals in rotating equipment. The topics that will be instructed will be: packing and flush plans needed; what is a mechanical seal; different configurations of mechanical seals; is my seal working properly; control units to use for water consumption; and when is a system leaking.

SESSION 3 WKSHP – Solar Hot Water Heating in Saskatchewan

Saskatchewan has more sunshine hours in a year than anywhere else in Canada. We therefore are in a perfect position to become world leaders in solar technologies. Solar hot water heating is one of the best places to start because the products are already available. In this workshop you are going to learn why you think solar energy is expensive, why Saskatchewan is prime solar real estate, why solar hot water is a premium investment, and how solar hot water systems work.

SESSION 4 WKSHP – It's Only Iron & Manganese – It Can Be Treated

This workshop will discuss options for removing iron and manganese removal from groundwater. Almost all groundwater treatment systems in Saskatchewan rely on one of three removal processes. The best removal process often depends on the characteristics of the raw water source. The process selection should result in a simple, operator friendly treatment process. A basic understanding of the removal processes and how to determine which process is most suitable for a particular water source can greatly assist the water plant operator in optimizing the treatment process. Also included will be what raw water factors influence process selection. The iron and manganese removal options discussed will be:

Option 1 – Oxidation/filtration; Option 2 – Oxidation/filtration/adsorption; and Option 3 – Adsorption.

SESSION 5 WKSHP – Do you have a Pandemic plan?

Do you have a plan to keep your water plant operational when the Influenza Pandemic strikes? Do you know what Influenza Pandemic is? Citizens need two litres of water per day. Will the source be available? This session will provide you with guidance and direction to develop your plan to keep your water plant operational during an Influenza Pandemic.

SESSION 6 WKSHP – Working in Confined Spaces


Confined space legislation and how to comply with this legislation will be covered. This workshop will provide the attendee with a Level 1 certificate for Confined Space Entry. Also included will be how to design and fill in confined space entry permits and the difference between Hazardous and Non-hazardous confined spaces.

SESSION 10 – Asset Management for Water & Sewer Utilities

Asset management is caring for and maintaining the water and wastewater system at the lowest long term cost for a prescribed level of service that our customers approve. This presentation outlines what we all need to know in the industry to help this occur.

SESSION 11 – Alum Plus – What is it?

Marsulex has successfully developed a form of aluminum sulphate called Alum Plus that has been partially polymerized and stabilized at a higher pH and basicity. It was developed by Marsulex for the purpose of preserving some of the beneficial features of alum such as its low cost and effective organics removal characteristics while improving upon its cold water performance and floc formation and settling characteristics, while also limiting its pH reduction effects. The session will include discussion on its application in municipal water treatment and sharing some of the experiences as well as commenting on the unique characteristics that has made Alum Plus successful.



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Howard Kirby A.Sc.t.
General Manager


<p><i>HEAD OFFICE:</i> 9802 Thatcher Ave. P.O. Box 1418 North Battleford, SK S9A 3M1 PHONE: 937-7741 FAX: 937-3766 e-mail: howard@andersonpumphouse.com www.andersonpumphouse.com</p>	<p><i>BRANCH OFFICE:</i> 215 - 38th Street E. Prince Albert, SK S6W 1A5 PHONE: (306) 764-6639 FAX: (306) 763-0663 Res: 386-2001 Cell: 441-9228</p>
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CONFERENCE WORKSHOP AND TECHNICAL SESSIONS

SESSION 1 – Visual Sidewall Scanning: Streamlining Collection & Analysis of Inspection Data

Visual Sidewall Scanning (VSS) relies on the proven inspection crawler platform to gather visual data from within a pipe. The technology implements digital image processing technology to manipulate video frames into a flat digital scan. The camera can be operated at full speed without stopping to pan, tilt, or zoom. The presentation covers the fundamentals of VSS, presents a live demonstration and case studies, and reviews VSS workflow and technology.

SESSION 2 – Filter Optimization through Particle Counting

This discusses drinking water particle detection technologies, particle counting protocols, sampling considerations, equipment, data management and operation & maintenance.

SESSION 3 – City of North Battleford WWTP Construction and Operational Challenges

The presentation will discuss challenges that the City of North Battleford Wastewater Treatment Plant has faced through the construction, commissioning and operation phases. The plant has a peak capacity of 11,000 m³/day and uses a Ludzack-Ettinger Process to meet the required reduction of BOD and ammonia. The plant has been retrofitted with a Rotamix system to improve mixing in the sludge tank and, therefore, the operation of the sludge handling equipment.

SESSION 4 – Benefits of Standby Power for Sewage Lift Stations

This technical session asks when and why standby power is required, what features should be specified, the components to consider, when is a transfer switch required to connect to the load, and sizing the standby power and ATS. Compact Discs will be given out at the session.

SESSION 5 – Reclaiming of Wastewater as a Valuable Resource

Effluent irrigation woodlots are a best practice in wastewater management leading to tax savings, reduction in municipal liability and creation of economic opportunities for municipalities and private landowners. In an effort to stop the release of wastewater into rivers and lakes, the towns of Halbrite and Stoughton, and the ethanol plant at Weyburn, have constructed woodlots that will be watered with municipal effluent. The woodlots, containing over 4,000 hybrid poplars and willows and 6,000 berry bushes, will use 100 percent of the wastewater produced by the towns, and are the first projects of their kind in the province. Additional woodlots to be established in 2008 are in Viscount and Gull Lake.

SESSION 6 – Non-Contacting Flow and Level Measurement for Water, Wastewater and Stormwater

This session will illustrate how advanced new ultrasonic instruments are used to measure flow and level accurately in the tough operating conditions of water and wastewater collection systems and treatment plants. Non-contacting sensors can be applied to measure full pipe flow and open channel flow, to monitor tank levels and control pump stations. It will also look at municipal applications including Stormwater, I & I studies, dry pond monitoring, sludge and sewage flow, chemical flow, pump control and pump protection.

SESSION 7 – Chlorine Safety

Chlorine safety awareness and physical properties. Personal protective equipment, handling, first aid, and storage practices. Emergency response and chlorine emergency capping demonstration.

SESSION 8 – SCADA Systems

SCADA is an acronym for supervisory control and data acquisition, a computer system for gathering and analyzing real time data. SCADA systems are used to monitor and control a plant or equipment in industries such as telecommunications, water and waste control, energy, oil and gas refining and transportation. The discussion topics include automation within the water & waste management market, SCADA and telemetry within automation systems, production efficiency and accuracy, automation system operations and operators, and wireless technologies – current and future.

SESSION 9 – Storage Reservoir Water Quality

Most water storage reservoirs have been designed with storage volume as the primary design criterion with little emphasis on internal mixing. In recent years, the issue of stale water in storage reservoirs is receiving more attention due to the risk of reduced water quality. This presentation discusses some of the issues related to reservoir mixing. These issues are related to the design and operation of the reservoir itself, but also related to the location of reservoirs. Examples of methods used to improve reservoir mixing will be discussed.

SESSION 10 – Mechanical Pipe Restraint Design

This workshop provides detail on installation practices, types of restraint, application and methods of using the products in the field, and understanding the concept. Design criteria are applied to examine real applications, and the differences that occur with different soils.



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SWWA Conference Hotels

Radisson and Hilton Garden Inn

SWWA has booked two blocks of rooms for November 4 – 7, 2008 at the Radisson and the Hilton Garden Inn

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Rooms are held until October 1, 2008 at the SWWA conference rates. Please book early to avoid disappointment.

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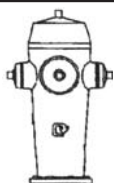
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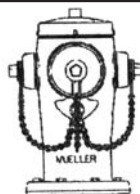
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WATERSHED MANAGEMENT AND PROTECTION WORKSHOP

JUNE 6, 2008 – WEYBURN

Topics Include:

Five Years of Source Water Protection Planning

The presentation will discuss the achievements and challenges in source water protection plans since the spring of 2003. The Saskatchewan Watershed Authority was formed in October 2002 with a strong mandate for watershed and aquifer plans in all Saskatchewan watersheds. Five watershed plans have been completed in the populated areas of the province and several of the stakeholders groups are well advanced in plan implementation. The discussion will review the current plans to date and evaluate some of the challenges to these plans such as public and First Nations involvement.

Local Watershed Plans - A Stakeholders Experience

The presentation will provide a stakeholder's perspective on the development of a source water protection plan with the Upper Qu'Appelle River and Wascana Creek watershed. David Sloan, an agricultural producer and an executive member of the Wascana Creek Conservation and Development Association, has considerable involvement in both creation and implementation of the source water protection plan. The discussion will highlight the extensive volunteer commitment and community leadership involved in the process and several benefits that have been provided to the watershed communities. The speaker has been integral in the organization of two provincial watersheds workshops and the Saskatchewan Association of Watersheds. David will also discuss the real challenges of the plan implementation such as financial support and organization of watershed agency.

Groundwater Protection and Municipal Water Well Assessments

Nolan Shaheen with SWA's Groundwater Management with the Saskatchewan Watershed will discuss the general topic of groundwater protection with a focus on community water supplies and wellhead protection. Nolan will discuss recent initiatives generated from the source water protection planning process on municipal water well assessments.

Partnerships for Stormwater Awareness

The Moose Jaw River Watershed Source Water Protection Plan was the second plan in the province to be published in April of 2006. The watershed is 9,360 km squared in size. This area includes 22 rural municipalities, two towns, ten villages and the City of Moose Jaw. Funding from the City of Moose Jaw allowed our group to educate urban residents on beneficial management practices. To promote a new brochure delivered to each household and Trout Unlimited Canada's Yellow Fish Road, the Moose Jaw River Watershed Stewards held a "Storm Sewer Awareness Day". We continue to promote watershed health to urban residents with news articles and through school activities.

Town of Arcola Source Water Protection Plan – A Case Study

The Town of Arcola worked with the Ministry of Environment to develop a source water protection plan for the community to satisfy the terms and conditions set out by Ministry of the Environment. The water supply for the Town of Arcola consists of two separate supplies, a shallow spring-fed well supply located north east of the town and a deeper (20m) well field located east south east of the Town. The Town prefers to obtain their water from the shallow spring fed wells (15) if moisture conditions allow, and estimate that 60% of their raw water is from this source. The shallow groundwater which feeds the shallow well field is likely recharged by surface runoff along the stream channel. To protect this shallow groundwater source Arcola is undertaking a number of activities including decommissioning observation wells.

Green Initiatives Fund

The Green Initiatives Fund is made up of two programs: the Green Technology Commercialization Grant program and the Sustainable Communities Grant program. The presentation focuses on the Sustainable Communities Grant program and offers information to aid organizations planning to apply for a grant. A short overview of the Green Initiatives Fund and the Green Technology Commercialization Grant program is included.

Planning for an Avian Influenza Pandemic

What is a Pandemic?

What is avian influenza?

Pandemic Influenza History

How does it spread?

What is required from Water Operators?

This session is to provide awareness for Water Operators on an Avian Influenza Pandemic.

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WORKSHOP REGISTRATION FORM

Watershed Management & Protection (0.6 CEUs to be attributed) – Lunch Included

June 6 2008 - Weyburn

Sign In Time: 8:00 a.m. – 8.15 a.m.

Location:

Start Time: 8:30 a.m. - 4:30 p.m.

Public Works Yard
55 - 16th Street

Name: _____

Street Address/Box Number: _____

City: _____ Postal Code: _____

Work Phone: _____ Home Phone: _____

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

PER WORKSHOP COST:

Member Price: \$60.00 plus \$3.00 GST - \$63.00 _____

Non-Member Price: \$120.00 plus \$6.00 GST - \$126.00 _____

2008 Membership + Member Price: \$100.00 plus \$5.00 GST – \$105.00 _____

Complete the following IF you are purchasing a 2008 Membership AND attending the workshop as a member.

Work Fax: _____

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Signature: _____

Submit this form and your cheque made payable to:
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Workshops attendees will be awarded CEUs. Conference enrollment is not required to participate in these workshops. A trade show pass is included in workshop fees. Trade Show hours are September 23, 6 pm - 10 pm and September 24, 10 am - 2 pm.

Registration cost is \$100/workshop. To register please visit HYPERLINK "<http://www.wcwwa.ca>" www.wcwwa.ca or contact the WCWWA office - HYPERLINK "<mailto:member@wcwwa.ca>" member@wcwwa.ca.

Workshop Program – Tuesday, September 23, 2008

Management and Planning

8:30 AM – 12:00 PM

Planning for the Pandemic (0.3 CEUs)

A general overview of pandemic planning and the role of public water and wastewater utilities.

Presenters - The Saskatchewan Ministry of Health, The Saskatchewan Ministry of Corrections, Public Safety and Policing, City of Regina (tentative)

1:00 PM – 4:30 PM

Asset Management - a Prerequisite for Infrastructure Sustainability (0.3 CEUs)

A broad overview of asset management principles and practices and insights on how water and wastewater utility stakeholders can benefit from rigorous application of these principles and practices to utility planning, decision-making and operations.

Presenters - Communities of Tomorrow

Technical

8:30 AM – 12:00 PM

Cross Connection Control (0.3 CEUs)

Topics include: Drinking Water Quality Protection and Treatment, Regulatory and Public Policy, Management and Operations, Small Systems

Presenters - WCS AWWA Cross Connection Control Committee

1:00 PM – 4:30 PM

Emerging Contaminants - Issues for Water Supply and Treatment (0.3 CEUs)

Information regarding emerging contaminants specifically pharmaceuticals and endocrine disrupting compounds in water and treatment.

Presenters - University of Calgary, Southern Nevada Water Authority, Alberta Environment, City of Calgary



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Fax: 761-1279
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