

NWMOA Newsletter

Volume 1, Issue 1

Summer 2012



Message from the President

By: Jan Wellman, City of Cottage Grove

Dear Northwest Membrane Technology User,

These are exciting times for membrane technology users! This region of the country is experiencing tremendous growth in the number of membrane-based treatment plants being designed, constructed, and operated. Great news for our industry! Yet this growth gives rise to a new set of questions. How do we maintain a healthy pool of skilled membrane plant operators? Where can we go to network with other users who share our goals and challenges? And how can we make it as easy as possible for our operators to earn the CEUs they need to maintain their licenses?

In part, the answer to those questions can be found in the Northwest Membrane Operator Association (NWMOA), the newest affiliate of the American Membrane Technology Association (AMTA). Our organization was conceived by membrane operators and is run by membrane operators. Our goal is simple: an unparalleled dedication to the education, training, and networking of people involved in membrane technology in the northwestern United States.

We will meet that goal by working hard to bring training and networking opportunities close to you. This year, we have three 1-day hands-on training workshops planned in Fruitland, Idaho (August 7th); King County, Washington (September 18th); and Cottage Grove, Oregon (September 20th). We are planning more regional hands-on workshops for next year, as well as our first annual conference.

In addition to training opportunities, NWMOA's other initiatives include:

- Regulatory networking in the northwestern United States,
- Operator training schools (3-day programs on MBRs, MF/UF (drinking water), or RO/NF,
- An awards program to recognize membrane plant operators and treatment plants, and
- Exposure to national and international membrane technology applications through our affiliation with AMTA.

These are all achievable goals and objectives, but we need your help. We need members who are willing to host a workshop, who can bolster membership, and who can help in the myriad ways an organization such as ours requires. The value and longevity of NWMOA depends on your involvement, your dedication, and your passion to see that membrane treatment continues to be a vital solution for our region's diminished and overburdened water supplies.

As the director of a utility using membrane technology, I'm looking forward to the benefits that NWMOA can provide to my operators and agency. I look forward to meeting you, sharing experiences, and seeing you become active in this organization. Please contact me at admin@nwmoa.com for more information on our programs or to find out what you can do to help.

Sincerely,

Jan Wellman, NWMOA President

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Please Visit NWMOA
on the Web !

<http://www.nwmoa.com/>

Upcoming Events:

Workshop flyers & registration are available: www.nwmoa.com

August 7, 2012

Fruitland, ID:

Membrane Operation
Basics Workshop

Sept 18, 2012

King County, WA:


Membrane Bioreactors - Operator
Training Workshop

Sept 20, 2012

Cottage Grove, OR:

Operations, Chemical
Pretreatment, Pumps & SCADA
Operator Training Workshop

Member Spotlight - City of Cottage Grove, Row River Water Treatment Plant






Row River Water Treatment Plant
Dedicated October 2008

Gary Williams - Mayor

City Council
Wayne Clark Diane Conrad
Lynn Miller Thomas Munroe
Heather Murphy John R. "Pat" Patterson

City Manager - Richard Meyers
Public Works Director - Jan Wellman
Plant Superintendent - Ray Pardee

Design/Builder
BLACK & VEATCH 




The most recent achievement is The City of Cottage Grove Participation in the "2012 Best Tasting Water Contest" sponsored by our local AWWA PNWS Cascade-To-Coast Subsection winner 3rd place honors out of 13 participating utilities. Two of the top three winners this year were membrane water treatment plants.



Row River WTP converted from a conventional granular media filtration process to pressurized MF membranes.

The Row River Water Treatment Plant was originally constructed and then dedicated in October 1993. At that time the plant utilized a single packaged rapid sand filtration unit with production capabilities of 2 million gallons a day. The plans back then were to expand the plant in two more phases to a final build out of 6 million gallons a day utilizing 3 package rapid sand filtration units. In 2008 the plant was converted to microfiltration membranes. The first phase of the conversion gave 4 million gallons a day of production capacity. This is supplied by 2 Pall Corp. racks containing 89 low pressure modules each. There will be 2 additional racks added in the future in phases for complete build out of 8 million gallons a day production capacity.



Pall Microfiltration Membrane 4 MGD

City of Cottage Grove PUBLIC WORKS

Cottage Grove wins Second Place at Top Projects Awards

The City of Cottage Grove's Row River Water Treatment Plant (RRWTP) was awarded a second place trophy at the annual Daily Journal of Commerce (DJC) Top Projects competition. The Daily Journal of Commerce Top Projects competition is the premiere building and construction award program in the region. The awards ceremony was held on Thurs. April 30th at the Governor Hotel, Heritage Ballroom, in Portland. Competition categories included private buildings (three divisions), public buildings (two divisions), renovation (two divisions), and public works, infrastructure, and transportation (two divisions). The RRWTP was in the public works, infrastructure, and transportation category for projects between \$5 and \$15 million. Preliminary judging resulted in 81 projects being selected to move-on in the competition as finalists. Finalists were judged by a panel of professionals from the local built-environment community. Judging criteria included scope of work, challenges and obstacles, budget and schedule considerations, and quality. Category winners and the overall winner were announced at the Top Projects awards reception on Thursday evening, April 30th. The RRWTP project was submitted to the Top Projects competition by Black and Veatch Engineers. Public Works Director, Jan Wellman attended the event to represent the City and accept the award.



The ribbon cutting ceremony by Mayor Gary Williams during dedication on 10/27/2008.

Membership Update

By: Jill Miller, City of Bozeman Water Treatment Plant

NWMOA is only a couple of months old and membership is growing. We have 49 members and counting. Several potential new members were contacted at the AMTA Workshop in Seattle. Members are working to spread the word about the benefits of being a NWMOA member so we can continue to grow our membership. Remember that payment for membership dues is preferred as a check until the credit card processing is available.

We are pleased to announce that we now have 49 Members!

Brian Alex
City of Bozeman

Dave Davis
*North Clackamas County
Water Commission*

Scott MacKenzie
City of Fruitland

Thomas Seacord, P.E.
Carollo Engineers, Inc.

Chris Allen, P.E.
*GE Water & Process
Technologies*

Doug DeCroo
City of Fruitland

Jay MacPherson
*Oregon Health Authority,
Drinking Water Program*

Tim Smith
City of Pendleton

Stoner Bell
Bell Design Company

Jordi Figueras, P.E.
Pharmer Engineering LLC

Jill Miller
City of Bozeman

Steve Stewart
City of Newport

John C. Boyd
City of Jerome

Tim Gross
City of Newport

Ed Mills
City of Cottage Grove

Mike Stocks
City of Bozeman

Ron Bradshy
City of Cottage Grove

Sam Haynes
City of Cottage Grove

Mark Milne
City of Pendleton

Robert Swanson
City of Newport

Cody Brown
Bell Design Company

Dan Hugaboom, P.E.
Carollo Engineers, Inc.

Randy Morin
City of Bozeman

Robert N. Thurston
Correct Equipment

Jim Burns
City of Bozeman

Ted Jones
City of Newport

Rick Moroney
City of Bozeman

Mark VanAntwerp
City of Bozeman

Chad Busch
City of Fruitland

Karen King
City of Pendleton

Steve Norman
City of Cottage Grove

Jan Wellman
City of Cottage Grove

Scott E. Cairl
United Water Idaho

Nathan Kutil
HDR Engineering, Inc.

Cody Olsen
City of Newport

Verena Winter
HDR Engineering, Inc.

Eric Campbell
City of Bozeman

Pierre Kwan
HDR Engineering, Inc.

Ray Pardee
City of Cottage Grove

Michael Zeltner
HDR Engineering, Inc.

Brent Cason
City of Newport

Susanna Leung
Carollo Engineers, Inc.

Bob Pitterson
City of Pendleton

YuJung Chang, P.E.
HDR Engineering, Inc.

Kurt Lindstrom
City of Bozeman

Steve Quinn
City of Pendleton

Casey Currin
City of Pendleton

Jeff Lough
United Water Idaho

Vincent Roquebert, P.E.
Carollo Engineers, Inc.



Let your friends at other water districts know about NWMOA

We are dedicated to providing a forum for membrane system operators to exchange information, experience and knowledge. As important, we provide educational credits through our workshops and hands-on training necessary for Operator Certification. Our goal is to make our vital industry stronger and the technology more reliable. Prospective members can find application information online on our website at www.nwmoa.com

We Need Your Input for the NWMOA News

- Your articles are welcome or if you would like - please join the newsletter committee!
- Contact NWMOA at: adminassist@nwmoa.com

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Operator Association**
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Northwest Membrane Operators Association (NWMOA) formed March 26, 2012 is the newest affiliate of the American Membrane Technology Association dedicated to the Northwest United States region including, but not limited to, Alaska, Idaho, Montana, Oregon, Utah, Washington and Wyoming.

NWMOA is a membrane operators group that has been formed to provide membrane operators a forum to exchange information, share experiences and knowledge, obtain training and acquire continuing education credits necessary for Operator Certification requirements.

NWMOA is an organization that is for membrane operators, run by membrane operators and has been established to meet the technical needs of membrane operators. The number of membrane based treatment plants is growing rapidly in the northwest. With that growth there is a need for an organization dedicated to the education, training and networking of people involved in membrane technology. NWMOA is dedicated to filling that need, with our focus on training membrane plant operators.

Visit NWMOA on the Web

www.nwmoa.com

Newsletter Advertisement Space Available

Job Board Posting

Complimentary For Members and
Available at a Fee for Non-Members

Board of Directors

EXECUTIVE OFFICERS

<u>Member</u>	<u>Term</u>	<u>Company</u>	<u>Phone</u>	<u>Email</u>
Jan Wellman - President	2011-2014	City of Cottage Grove	541-942-3349	pwdirector@cottagegrove.org
Dave Davis - Vice President	2011-2013	North Clackamas County Water Commission	503-723-3505	davedavis2133@comcast.net
Chad Busch - Treasurer	2011-2013	City of Fruitland	208-452-2045	cbusch@fruitland.org
Tom Seacord - Secretary	2011-2014	Carollo Engineers, Inc.	208-376-2288	tseacord@carollo.com

BOARD OF DIRECTORS

<u>Member</u>	<u>Term</u>	<u>Company</u>	<u>Phone</u>	<u>Email</u>
Chris Allen	2011-2013	GE Water & Process Technologies	208-319-3512	chris.allen@ge.com
YuJung Chang	2011-2014	HDR Engineering, Inc.	425-450-6275	yujung.chang@hdrinc.com
Jordi Figueras	2011-2013	Pharmer Engineering LLC	208-433-1900	jfigueras@pharmereng.com
Jill Miller	2011-2014	City of Bozeman	406-586-7158	jmiller@bozeman.net
Bob Patterson	2011-2014	City of Pendleton	541-966-0202	bob.patterson@ci.pendleton.or.us