



Buckeye Bulletin

Ohio Water Environment Association | Volume 82:3 | Issue 3 2009



Were You Registered?
2009 OWEA Annual Conference
Recap and Photos
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Featured Plant
Tri-Cities North Regional
Wastewater Authority
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Sandusky River Watershed
Focus on BMP's
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Rewards of an Electric
Demand Response Program
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Preserving & Enhancing
Ohio's Water Environment

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Ohio Operations Challenge Results page 19

Plant Operations & Laboratory Analysis Workshop, September 23-24
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On the Front Cover

2009 Ohio Operations Challenge

Judi Henrich, OWEA EA

Contact Hour Information:

All OWEA training is submitted for contact hour approval.

Check out OWEA's website at:

www.ohiowea.org for a complete listing of OWEA approved training.

Article Deadlines: 1st day of January, April, July, and October

Publication Dates:

Spring, Summer, Fall, and Winter

2009 Ad Rates Per Year (4 issues)

		Black & White	Color
Full Page	(7½" x 10")	\$1,450	\$1,700
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Disclaimer

The *Buckeye Bulletin* (BB) is the official publication of the Ohio Water Environment Association, Inc., a nonprofit corporation founded in 1926, dedicated to the improvement of water quality in Ohio and the continuing education of water professionals. It is one of the top five member associations of the Water Environment Federation. Subscription is through membership in OWEA.

The ideas, opinions, concepts and procedures expressed in this publication are those of the individual authors and not necessarily those of the Ohio Water Environment Association, its officers, general membership, or the editor.

For further information on submitting articles or advertising, please contact our organization at:

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Judi Henrich
Executive Administrator

OWEA is a Member Association of the

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601 Wythe Street
Alexandria, VA 22314-1994
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Fax: 703-684-2492
Website: www.wef.org



2009 - 10 Calendar of Events

September 2009

- 9 Executive Committee Meeting
- 11 Lab Analyst Exam Application Deadline
- 11 NE LAC Meeting
- 11 NWOWEA Executive Committee Meeting
- 23-24 Plant Operations/Lab Analysts Workshop
- 26 NEOWEA Clam Bake

October 2009

- 1 Buckeye Bulletin Deadline
- 2 NE LAC Review
- 10-14 WEFTEC Orlando, Florida
- 21 NWOWEA Section Meeting
- 22 SWOWEA Fall Operator Education Day
- 23 Lab Analyst Exam
- 23 NWOWEA Operator Education Day

November 2009

- 4 OhioEPA Wastewater Exam
- 6 NE LAC Meeting Method Update Review
- 12 SWOWEA Operations & Maintenance Seminar
- 18 Executive Committee Meeting

December 2009

- 10 Biosolids Specialty Workshop

January 2010

- 20 Executive Committee Meeting
- 29 NWOWEA Executive Committee Meeting

Get Involved

Join a Committee Today

The Ohio Water Environment Association has 23 Committees with focus on wastewater, stormwater, and association operational issues. See the list of committees on page 5. Three committee chair positions are currently vacant.

OWEA needs your skill, experience, and energy. Contact President Mark Livengood at livengoodm@mcOhio.org or the OWEA office at info@ohiowea.org for more information on committees of interest to you.

2009-2010 Executive Committee

President Mark Livengood, Montgomery County
Phone/Fax: 937.781.2559/2685
Email: livengoodm@mcOhio.org

President-Elect Dale Kocarek, Stantec
Phone/Fax: 614.486.4383/4387
Email: dale.kocarek@stantec.com

Vice President Doug Clark, City of Bowling Green
Phone/Fax: 419.354.6274/1521
Email: douglas.clark@bgohio.org

Past President Dianne Sumego, ARCADIS
Phone/Fax: 330.434.1995/374.1095
Email: dianne.sumego@arcadis-us.com

Secretary-Treasurer Jane Winkler, Retired
Phone: 513.910.3775
Email: jwink1127@aol.com

Senior WEF Delegate Steve Morrison, Woolpert
Phone/Fax: 513.272.8300/8301
Email: steve.morrison@woolpert.com

Junior WEF Delegate Phil Anderson, ARCADIS
Phone/Fax: 419.473.1121/2108
Email: phil.anderson@arcadis-us.com

NE Delegate Tom Angelo, City of Warren
Phone/Fax: 330.841.2591 ext.110/2717
Email: tangelo@warren.org

SW Delegate Dan Sullivan, Sullivan Environmental
Phone/Fax: 859.426.5178/5177
Email: danny.sullivan@fuse.net

SE Delegate Mike Frommer, URS
Phone/Fax: 614.464.4500/0588
Email: mike_frommer@urscorp.com

NW Delegate Elizabeth Wick, Ohio EPA, NWDO
Phone/Fax: 419.373.3002/352.8468
Email: elizabeth.wick@epa.state.oh.us

Executive Committee Meeting Dates

September 9, 2009

November 18, 2009

January 20, 2010

Meetings will be held at the OWEA Office unless otherwise noted. Check the OWEA website for meeting details.

Committee Chairs

Annual Conference	Mike Frommer, URS Phone/Fax: 614.464.4500/0588 Email: mike_frommer@urscorp.com
	Cindy Jacobsen, Malcolm Pirnie, Inc. Phone/Fax: 614.430.2710/888-6711 Email: cjacobsen@pirnie.com
Archive	Tom Kutcher, CH2M Hill Phone/Fax: 513.337.9341/489.0807 Email: thomas.kutcher@ch2m.com
Auditing	Tom Fishbaugh, Ohio RCAP Phone/Fax: 419.332.2032/334.5124 Email: webmaster@ohiowea.org
Awards	Phil Anderson, ARCADIS Phone/Fax: 419.473.1121/2108 Email: phil.anderson@arcadis-us.com
Certification	Kathy Cook, Retired Phone: 937.878.1924 Email: kathy.cook8@gmail.com
Collection Systems	Bill Horst, Montgomery County Phone/Fax: 937.781.2636/2681 Email: horstb@mcoghio.org
Contact Hours	Marc Morgan, City of Mansfield Phone/Fax: 419.589.2830/7984 Email: mmorgan@ci.mansfield.oh.us
Finance	Steve Morrison, Woolpert Phone/Fax: 513.272.8300/8301 Email: steve.morrison@woolpert.com
Governance	Mark Livengood, Montgomery County Phone/Fax: 937.781.2559/2685 Email: livengoodm@mcoghio.org
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Laboratory Analysts	Eva Hatvani, NEORS Phone/Fax: 216.641.6000/8118 Email: hatvanie@neorsd.org
	Nancy Taylor, City of Newark Phone/Fax: 740.349.6774/6771 Email: ntaylor@ci.newark.oh.us
Member Support	Tom Kutcher, CH2M Hill Phone/Fax: 513.337.9341/489.0807 Email: thomas.kutcher@ch2m.com
Plant Operations	Jim Borton, City of Wooster Phone/Fax: 330.263.5293/5291 Email: jborton@woosteroh.com
	Kim Riddell, City of Delphos Phone/Fax: 419.692.0991/695.5102 Email: kriddell@cityofdelphos.com
Pretreatment/Industrial	Vacant
Publications	Vacant

Committee Chairs

Residuals	Dave Brewer, Montgomery County Phone/Fax: 937.496.7096/7358 Email: dbrewer@mcoghio.org
Safety	Ed Nutter, City of Newark Phone: 740.670.7950 Email: enutter@newarkohio.net
Science Awards/SJWP	Vacant
Utility Enhancement	Doug Clark, City of Bowling Green Phone/Fax: 419.354.6274/1521 Email: douglas.clark@bgohio.org
Water for People	Keith Riley, OhioEPA, NEDO Phone/Fax: 330.963.1111/487.0769 Email: keith.riley@epa.state.oh.us
	Cindy Jacobsen, Malcolm Pirnie, Inc. Phone/Fax: 614.430.2710/888-6711 Email: cjacobsen@pirnie.com
Watershed	John Aldrich, Camp Dresser & McKee, Inc. Phone/Fax: 216.579.0404/0414 Email: aldrichja@cdm.com
	Phil Anderson, ARCADIS Phone/Fax: 419.473.1121/2108 Email: phil.anderson@arcadis-us.com
Webmaster	Tom Fishbaugh, Ohio RCAP Phone: 419.680.4707 Email: webmaster@ohiowea.org
Young Professionals	Dan Martin, RA Consultants, LLC. Phone/Fax: 513.469.6600/2684 Email: dmartin@raconsultantsllc.com

**Section Presidents**

NW President	John Motycka, American-Bath WWTP Phone/Fax: 419.225.8048/6092 Email: johnmotycka@wcoil.com
NE President	Bob Hrusovsky, MWH Phone: 216.621.2407 Email: robert.r.hrusovsky@us.mwhglobal.com
SW President	Carl Gatton, Warren County W & SD Phone/Fax: 513.925.1643/695.2995 Email: carl.gatton@co.warren.oh.us
SE President	Greg Otey, URS Corporation Phone/Fax: 614.464.0588 Ext 7730/464.0588 Email: greg_otey@urscorp.com



Mark Livengood
OWEA President

I am writing my first President's Message less than a week after OWEA completed its 83rd Annual Conference in Cincinnati. OWEA last held a Conference in Cincinnati in 1997. Final revenue and expense numbers will become available in August, but preliminary data indicates the conference was a great success. Special thanks to 2009 Conference Co-chairs Dan Sullivan and Tim Shaw, as well as the entire conference committee.

Thanks to the City of Mason for hosting a plant tour on Tuesday. Thanks to Rebecca West, President of Water Environment Association (WEF), for attending what was her last Member Association visit during her tenure. Thanks to the award winners and nominees for attending the Awards Breakfast. Thanks to the 62 exhibitors and 53 sponsors—without your support the conference could not be held in high-quality venues like the Hyatt in Cincinnati. Thanks to the 360 registrants for learning and sharing your knowledge and experiences. Finally, I and every member of OWEA, should thank outgoing President Dianne Sumego for her leadership and dedication during the past 12 months. Thank you Dianne!!

During my President's Luncheon and in my remarks at the Banquet, I outlined several key issues that I believe OWEA needs to address in the coming year. For those who could not attend this year's Conference, my comments included the following:

- All members need to let your Section leaders or a member of the OWEA Executive Committee know what you expect from OWEA. OWEA cannot work toward meeting and exceeding your expectations unless we know what they are. Let us know what OWEA is doing well, wrong, or what services OWEA should cut back on.
- OWEA will increase and improve its outreach in providing education and information through two fronts—OWEA

will increase training and education opportunities by expanding the number of webinars provided. Our excellent quality and number of in-person specialty conferences and workshops will not decrease. Second, it is my goal to provide each member of the Ohio State Legislature a complimentary subscription of Buckeye Bulletin for their office reception area. It is time for OWEA to actively communicate to our state elected officials the high-quality environmental protection and educational opportunities OWEA supports each year. This will create the demand for an additional 132 copies of BB (99 representatives and 33 senators), but I believe the cost is worthwhile.

- OWEA will take concrete steps to enact a web-based, turn-key contact hour tracking system to enhance information storage we are required to maintain (as an approved training provider) as well as enhance member operator certification renewals with Ohio EPA.
- Our membership is slightly down over the past two years. This is a common theme among all volunteer organizations across the country. The average age of a WEF and OWEA member is close to 50 years. An attainable goal is to attract at least one new member from each of Ohio's 88 counties. This goal will be easier to attain in urban areas and more difficult in rural counties—but it is attainable. Please do your part in helping attract new members and retain current members.
- In order to improve OWEA's sustainability, OWEA has adopted Rules and Regulations that replace the Constitution and Bylaws, and streamlined Policies and Procedures are being adopted by the Executive Committee to outline important activities that are critical to smooth and continued business activities of OWEA.

I look forward to visiting each Section at one of your meetings during the coming months. In the mean time, please do not hesitate to contact me with any questions or concerns you may have.

Mark Livengood
livengoodm@mcOhio.org

CERTIFICATION CORNER

Kathy Cook

The program offers exams in three certification areas: Laboratory Analyst; Industrial Waste Operator; and Industrial Waste Inspector. There are over 850 people certified under this program. Please check the OWEA website at www.ohiowea.org for certification requirements.

Congratulations to the recently certified Industrial Waste Inspectors – Mark A. Ciccone and William J. Collins.

Exam Dates

Fall 2009	October 23
Spring 2010	April 23

Don't Miss Out On Important News Update Your Membership Profile

Maintain an accurate mail and email address so you receive timely communications from OWEA regarding upcoming events, important news affecting water environment issues, and your copy of the Buckeye Bulletin.

Please check your member profile at: www.wef.org by clicking on the Membership link. You can also make changes to your OWEA/WEF membership account by contacting WEF directly at 1.800.666.0206 or by email at csc@wef.org.

OHIO 5S REPORT

By Mark Livengood, Primary Influent Integrator

During the 83rd Annual Conference, the following Ohio 5S nominees were duly inducted, harassed, belittled, and summarily ridiculed:

NW Inductee:	Doug Clark
NE Inductee:	Patrick Gsellman
SW Inductee:	Danny Sullivan
SE Inductee:	Mike Frommer
At-Large Inductee:	Cindy Jacobsen
WEF Honorary Inductee:	Rebecca West

The inductees collected \$1,300 for 5S activities. At the annual Ohio 5S Breakfast (sponsored by Jones and Henry Engineers), it was voted to donate \$500 to Water for People and earmark \$500 toward a scholarship to be given to a worthy student enrolled at one of Ohio 2-year community colleges studying a wastewater treatment curriculum.

A new style jacket was presented to each inductee, along with the standard lapel shovel and a really neat wall plaque for each new member to proudly hang in the basement or musty garage. There is a supply of new-style jackets available for purchase (\$40 each). Only 5S members may purchase and wear these unique items. If interested, please contact:

Mark Livengood
livengoodm@mcOhio.org



5S Inductees (left to right) Doug Clark, Patrick Gsellman, Cindy Jacobsen, Danny Sullivan, Mike Frommer and Rebecca West



True Dedication to the Bucket: Danny Sullivan (l) and Mike Frommer (r)

OWEA OHIO SCIENCE DAY AND SJWP AWARD WINNERS

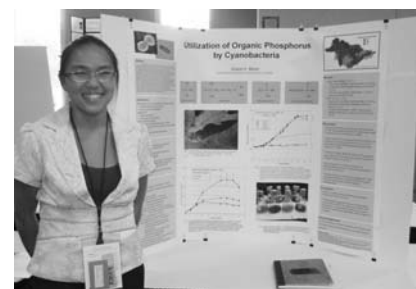
On May 9th, the OWEA judging committee, headed by Dale Kocarek, assisted by Jim Demboski and Judi Henrich, selected the 2009 Ohio Science Day awardees at the 2009 Ohio Science Day held at The Ohio State University.

Winner of OWEA \$1000 Scholarship and Ohio Stockholm Junior Water Prize Winner

Grace Miner

"Utilization of Organic Phosphorus by Cyanobacteria"
Bowling Green High School, Bowling Green
11th Grade

Ms. Miner attended the OWEA Annual Conference Awards Breakfast and represented Ohio at the National SJWP Competition in Anchorage, Alaska June 24-26.



Grace Miner competes in the National Stockholm Junior Water Prize competition in Anchorage, Alaska (WEF photos)

SAVINGS BOND WINNERS

\$500 Savings Bond Winner

Joseph Demboski

"Testing Water Quality with Green Hydra"
St. Vincent St. Mary, Akron
10th Grade

\$300 Savings Bond

Traven W. Towns

"How Does Environmental Pollution Affect Daphnia's Heart Rate?"
Hilltop High School, West Unity
11th Grade

\$200 Savings Bond

David Shen

"The Effect of Temperature on Small Scale Water Treatment Efficiency"
Upper Arlington High School, Upper Arlington
11th Grade



Steve Morrison, Sr.WEF Delegate

WEF DELEGATE REPORT



Phil Anderson, Jr.WEF Delegate

The Ohio Water Environment Association has just completed another successful Annual Conference in Cincinnati. The Annual Conference Committee under the direction of Co-Chairs Tim Shaw and Dan Sullivan; Judi Henrich, OWEA Executive Administrator; and all the many volunteers deserve our thanks for their efforts. We are also very thankful to WEF President Rebecca West and Kelsey Brown, WEF staff member for attending this year's conference.

OWEA's successful Young Professional's program at the Annual Conference was recently featured in this month's addition of WEFLeader. The YP Program put on by Committee Chair Dan Martin and all of the YP volunteers was a huge success and most of the sessions were standing room only.

We hope everyone has made plans to attend this year's WEFTEC in Orlando. It will be held October 10-14 at the Orlando Convention Center. Initial returns are indicating that this year's WEFTEC will be another record setting year. Hope to see everyone in Orlando.

The WEF Board of Trustees (BOT) continues to address service to the member associations (MA), such as OWEA. WEF Executive Director Bill Bertera recently created a staff position to be directly responsible for addressing MA concerns. Your WEF Delegates and the OWEA Executive Committee consider this a positive step in addressing our concerns.

OWEA Executive Administrator Judi Henrich was recently selected to represent OWEA on a working group of 12 member associations to provide input to WEF staff on the MA reporting and access needs as WEF implements a new membership data base software program. Our congratulations to Judi and we look forward to her reports on the status of that effort.

If you have any questions pertaining to this report or any other WEF activities please don't hesitate to let us know.

Steve Morrison
steve.morrison@woolpert.com

OWEA Meeting Space and Online Meeting Service Available

The Ohio Water Environment Association moved to a new location in February 2009. Take advantage of the available conference room (with wireless internet access and web/conference call facilities) for your next OWEA committee or workgroup meeting. The office is conveniently located near the Ohio State University campus and just few miles from downtown Columbus. Ample free parking is available.

Or save on time and mileage expenses - hold your committee or workgroup meeting online with OWEA's web based meeting service. Contact the OWEA office to schedule a time and receive assistance in setting up your meeting.

For more information, contact:
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1890 Northwest Blvd, Suite 210
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THE “ERA OF GOOD FEELINGS”

by Dale E. Kocarek, P.E., BCEE - OWEA President-Elect

In this article, I depart from my traditional commentary about technology, the world water environment, and the role that the Water Environment Federation (WEF) plays to advance the cause of clean water around the world. Instead, I focus my attention on the Ohio Water Environment Association (OWEA) and what we have accomplished over the past year.

Many who know me understand my passion for American History, beyond the simple recalling of facts and dates. I am motivated by relationships, irony, intrigue, and how accidental circumstances can, seemingly in an instant, have the propensity to change the world forever—for good or for bad. We have all heard of the “shot heard around the world” which happened at Lexington Massachusetts on April 18, 1775, which invoked a new way of thinking about governance called “democracy” and began the tumultuous downfall of the feudal system in Europe.

With that brief introduction, I recall one special period in American History analogous to where OWEA traveled this year called the “Era of Good Feelings.” The “Era of Good Feelings” is associated with the Presidency of James Monroe (1817-1825) and his horseback tour of America in 1817. This period defines a period of unprecedented prosperity, advancement, and national pride as the United States began to grow and expand west beyond its eastern seaboard. By the time Monroe became President in 1817, the political divisiveness of the Washington, Adams, and Jefferson administrations was in the past and the War of 1812 was over. Americans could finally breathe a sigh of relief and focus on the happy task of “nation building.”

While this analogy is by no means perfect, it helps illustrate where we have come over the last year as an organization. All organizations go through periods of introspection, planning, set backs, and the need to devote time to making sure that the mechanics of day-to-day work are in good working order before taking on larger things. OWEA is no different. However, what has been different this year in contrast to others is that we have finally emerged into a period of increase.

The roots of our beginning of our “Era” were established in March 2007 when OWEA President Sheree Gossett-Johnson commissioned the Governance Committee to develop a policy and procedures manual, and job descriptions for OWEA staff. This effort prepared OWEA to hire Judi Henrich in June 2008. Last year, this enabled President Dianne Sumego to devote attention away from the day to day mechanics of running OWEA to a program of outreach, modernization, expansion, and enhanced service to our members.

Under Dianne’s presidency, the OWEA, its staff and its officers accomplished a number of important projects and assignments. A few of the most important ones include the following:

1. Organize and conduct a retreat for officer training with a WEF representative
2. Establish online registration for conferences and workshops
3. Modernize the OWEA website to make it easier to use
4. Attend many Section EC meetings to share information and build unity between the State organization and our Sections, who supply valuable member services
5. Enter into a Memorandum of Understanding (MOU) with the water research laboratory of USEPA in Cincinnati, which we believe is the first time that any WEF member association (MA) has done this
6. Establish a Technical Review Group under the Government Affairs Committee and complete technical reviews of USEPA’s Nutrient Control Manual (Draft Report) and two round of comments on Proposed Rule Revisions for the Sewage Sludge Rules for the Ohio EPA
7. Establish a Utility Enhancement Committee(UEC) to give a voice to utilities concerns in the modern day world
8. Oversee OWEA’s first webinar, sponsored by the UEC
9. Oversee the passage of new Rules and Regulations (R&Rs) to replace the outdated Constitution and Bylaws and create conformance with the requirements for non-profits under the Ohio Revised Code (ORC)
10. Create approximately 30 Policies and Procedures that will help streamline normal operations and build and create more accurate and timely responses to questions that arise from our members, committee chairs, and our EC
11. Attend WEFMAX to meet with WEF leadership to learn ways to build and better promote OWEA in harmony with WEF
12. Conduct four successful Specialty Workshops: Plant Operations, Biosolids, Government Affairs, and Collection Systems
13. OWEA participated in a Stormwater Symposium with other watershed groups in Cincinnati

continued on page 10

14. Send a SJWP candidate to the National competition
15. Award the OWEA Water Environment Science Awards to four students

Of all these accomplishments, I believe that work to create the Memorandum of Understanding (MOU) with USEPA, establishing the Technical Review Committee, on-line registration, and our first webinar best symbolize our forward movement. This is significant, because without the ability to participate actively as a voice of authority in our industry, OWEA and WEF will not be the leaders that we say we are.

On behalf of OWEA, I wish to thank Dianne Sumego for her years of service to OWEA and to her employer, Arcadis, for allowing her the ability to participate and contribute so much to OWEA, beginning with the Northeast Section and then becoming an effective and passionate member of the State Executive Committee. Fortunately for us, Dianne will remain one more year as a voting member of the EC. While no one can predict the future with certainty, I am sure that Dianne is destined for great things in WEF.

Dianne would be quick to point out that each OWEA President's term is only one year, so it is necessary that the EC work together as a unified group to undertake projects, which will often not be completed in one year, but rather require multiple years to achieve fruition. Therefore, the success of OWEA is really due to the work of many, united in common purpose. By the time a person becomes President, he or she is molded by many experiences and people and learns a lot about WEF. The key to successful leadership in OWEA is for EC members to view themselves not as individuals, but as participants in a continuing caravan of talent dedicated to building and improving on the good works done by our predecessors. This way, we maintain continuity that links the past to the future.

Over the past year I have changed as well. For one, I have grown more deeply appreciative of our patrons who help fund our organization and our employers who make it possible for us to participate in the governance of OWEA. It is not a widely known fact that OWEA constitutes a second job for us, and that at certain times, involvement of senior officers can be in excess of 20 hours per week with time being spent in evenings or on weekends. Without the support of our employers and families, who are the true unsung heroes of OWEA, this organization could not exist, let alone thrive.

My Kocarek Korner began five years ago as the Southeast Section's Delegate report in the Southeast Section Point Source Newsletter, but was only in 2007 that this article became a regular feature in the *Buckeye Bulletin*. I look forward to continuing my column in the *Buckeye Bulletin* for the third year. This time, my title will change from Vice President to President Elect. In addition to writing this column and

remaining Chair of the Government Affairs Committee, I will be assisting President Mark Livengood in carrying forth his message to our Sections and members, participating with Mark in meetings, and assisting with his work on the Governance Committee. Also, I am beginning to give thought on principal areas of focus for when I am President next year. If any of you have any suggestions, I welcome to hear them.

On a personal note, I spent much of my time for OWEA in the last year as Chair of the Governance Committee, where I oversaw the finalization of the Rules and Regulations and the development of approximately 30 new policies and procedures. The policies and procedures are written as one to three page "fact sheets" to keep format simple and clear. Each document is a stand alone mini "how to" manual to assist staff, officers, chairs, members and our President to provide appropriate and consistent instructions on how we operate as an organization. They cover many topics ranging from "who is authorized on OWEA to executive contracts," and "how do we approve articles for the Buckeye Bulletin," to "key roles of officers." Each one is a living document that is intended to serve the needs of our organization for our betterment. They may be changed at any time by the EC to reflect new knowledge or changing conditions. If a policy and procedure needs to be changed, that one document can be changed easily without having to address all at once. While we have written and adopted most of the essential policies and procedures, I estimate that there are others that need to be written and approved this year for this task to be substantially complete.

In addition to continuing work on the policies and procedures, I will spend the remainder of my time in the next year working with 2010 Annual Conference Co-Chairs Cindy Jacobsen and Michael Frommer preparing for the 2010 Annual Conference in Columbus Ohio. The conference will be held at the Renaissance Hotel June 14 - 17, 2010. The location is where OWEA held its Annual Conference in the 1980s when it was in Columbus. I attended one there when it was a Sheraton in 1986.

The 2010 Annual Conference theme is CLEAN WATER COLUMBUS 2010. The Golf Outing will be on Monday, June 14, 2010, the Conference will be held on Tuesday, June 15, 2010, and ending on Thursday, June 17, 2010.

About the author:

Dale E. Kocarek is the author of the Kocarek Korner, and currently serves as President-Elect of OWEA. He is also the Chair of the Government Affairs Committee. Dale is employed by Stantec Consulting, Inc. and can be reached at dale.kocarek@stantec.com



OHIO WARN: UTILITIES HELPING UTILITIES

by Karen Hawkins, Utilities Superintendent City of Fairborn Division of Water & Sewer

“Hurricanes don’t hit Ohio.” That is what we all thought before September 14, 2008. However, after feeling the impact of the leftovers of Hurricane Ike, many of us now know differently.

On that date the National Weather Service reported:

“The remnants of Hurricane Ike merged with a frontal boundary across the lower Ohio Valley Sunday morning. Due to the very low pressure of this system, the pressure gradient to the south and east of the surface low remained very tight as it raced into northwest Ohio through Sunday evening. This led to widespread damaging winds across much of the Ohio Valley, with gusts in excess of 70 mph reported. These severe winds persisted for several hours which resulted in much more widespread damage than typical severe thunderstorm winds, which usually last a matter of minutes.

The heaviest damage occurred roughly along a corridor extending along and just north of the Ohio River through Indiana and Kentucky, and along and just north of the I-71 corridor into central Ohio. The Cincinnati, Columbus and Dayton metro areas were all strongly impacted. Damage to trees and structures across this corridor was widespread and there were numerous injuries.”

Widespread power outages affecting more than 1 million people have been reported, and numerous roads and highways were blocked or closed due to debris and fallen power lines. Total restoration of power will likely take a week or longer.”

The City of Fairborn felt the initial punch and lost power over the entire city. However, much to our relief it was restored to all of our primary facilities within 6 hours. Some of our neighbors were not as fortunate as we found out the next day when contacted by the City of Hamilton looking for a portable generator. Since many of the communities immediately surrounding them were in similar circumstances, local contacts had proven fruitless so they turned to OH WARN. As members, they were able to expand their search outside of their immediate area using the OH WARN membership directory. This directory, accessible only by members, includes 24/7 emergency contact information for all participating agencies.

With our emergency situation behind us, we were able to provide a portable generator for their use. Typically, the utility loaning equipment delivers it with a crew to operate the equipment as the owner is familiar with the operations and safety concerns of their own equipment. Also, the

receiving utility is often too busy to operate the equipment or to take the time to pick up the equipment, particularly if it is some distance away. However, in our particular case, we reviewed our equipment operation procedures with Hamilton, and the Hamilton crew was familiar with the type of generator being borrowed. Therefore, unit was picked up by Hamilton personnel within 2 hours of the initial contact. It was deployed for four days at their East Reservoir Booster Station and was utilized to fill a 75,000 gallon elevated storage tank. In a thank you letter written by Jim Collins, Hamilton’s Director of Gas and Water, it was noted that “without this generator approximately 350 residents would have been without water for several days while waiting on repairs from Duke Energy.”

Many of you may wonder why it would benefit you to join OH WARN. This example exemplifies how the system can assist members in times of need no matter how small or large or distant your system. Even though Fairborn is almost half the size of Hamilton, we both perform similar functions in our mission of providing drinking water to our customers. No matter how big or small, we all have resources that may prove critical to other utilities in a time of crisis.

For more information on OH WARN, visit the interim website at:

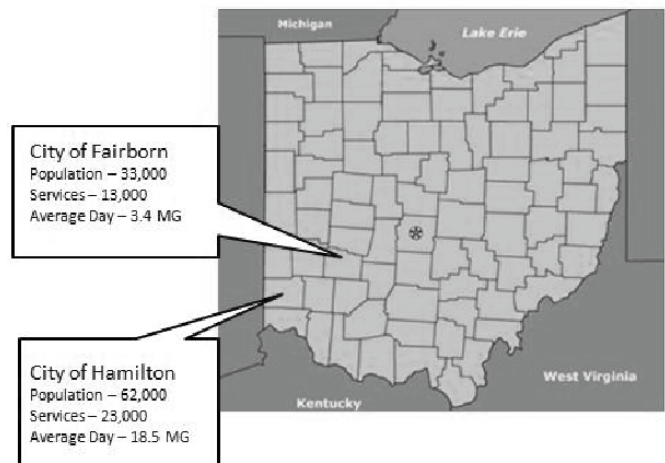
www.ohiowater.org/oawwa/OH%20WARN/OHWARN.htm

The official OH WARN website (www.ohwarn.org) will be up and running later this summer.

You may also contact the OH WARN Chair:

Robin Halperin - 216.881.6600 x 6465

HalperinR@neorsd.org.



NWOWEA Section President John Motycka is a Wastewater Treatment Superintendent for the Allen County Sanitary Engineering Department. He holds a Class III Water Supply Operator license, a Class III Wastewater Treatment Operator license, and a Class II Wastewater Laboratory Analyst certification. In 1987, he obtained an Associate's Degree from Wright State University in Electronics Engineering Technology.

He began his career in 1986 as an assistant to the Water/Wastewater Treatment Superintendent for the Village of Convoy. In 1991 he was promoted to the Superintendent position. His duties included operation and maintenance of the village's groundwater treatment plant and distribution system, operation and maintenance of the village's extended aeration activated sludge wastewater treatment plant and collection system, laboratory analysis, and reporting to regulatory agencies and village officials. He left in 2005 for the position in Allen

NW SECTION

John Motycka, NW President



County. His current duties include supervision of the operation and maintenance of the American-Bath Wastewater Treatment Plant, two package treatment plants, the biosolids land application program for all five of the Allen County treatment plants, and the county's central laboratory.

John has been active in the NWOWEA, serving as co-chair of the biosolids and lab analysts committees, chairman of the membership committee, secretary, first vice-president, and second vice-president. He is a member of the American Water Works Association and is a wastewater treatment instructor for the Operator Training Committee of Ohio.

John and his wife, Rosemarie, enjoy spending time at the lake with their three children. He also enjoys hunting, fishing, and playing golf.

John Motycka
johnmotycka@wcoil.com

NEOWEA Section President Bob Hruvosky is a Vice President at the Engineering consulting firm of MWH Americas Inc. He has a Bachelor of Science in Civil Engineering from Cleveland State University (BSCE – 1981), is a Professional Engineer State of Ohio (1985), and is a Board Certified Environmental Engineer (BCEE) with The American Academy of Environmental Engineers 2001.

The primary focus of Bob's career has been the design of wastewater and water treatment facilities ranging up to 350 MGD in capacity. With his expertise, he has saved clients millions of dollars in value engineering sessions. He is presently the senior project manager for the Midwest Region overseeing over 30 project managers.

NE SECTION

Bob Hruvosky, NE President



Bob has presented at our state conference as well as national conferences and is a member of the task force reviewers of the WEF Manual of Practice 1998. He has been a member of WEF for approx 20 years, has served as the State Conference Co-Chair and also the Co-Chair of the state golf outing. Bob is also a member of ASCE and AWWA.

When he is not working or volunteering for OWEA, Bob enjoys fishing on Lake Erie for walleye and perch.

Bob Hruvosky
robert.r.hrusovsky@us.mwhglobal.com

SEOWEA President Greg Otey is starting his second tour of duty with the SE Section. Mr. Otey previously served as the SE Section President in 1997-1998. Back by semi-popular demand and a very close vote, Mr. Otey has been a member of OWEA since 1978. He served as the Assistant Secretary/Treasurer for the OWEA Executive Committee for several years in the early 1980's, is a member of the 5-S Society, and has served on the Local Arrangement Committee on numerous occasions for the OWEA State Conference.

Mr. Otey has spent his entire career in the consulting engineering business. He was with Clyde E. Williams & Associates in Indianapolis, IN and Columbus, OH for 9 years as a Business Development Representative and has spent the last

SE SECTION

Greg Otey, SE President



23 years with URS as Vice President of Business Development for Municipal Water / Wastewater Projects. His area of expertise has been securing grants and project funding for clients.

Greg grew up in Indiana and graduated in 1976 from Marion College (Indiana Wesleyan University) with an Economic Business Degree. He has lived in Columbus for the past 31 years with his wife, Mara, and their four children, Christina (22), AJ (21), Allyson (18), and Stephanie (16). In his spare time, he enjoys traveling with his family, playing tennis and an occasional round of golf, investing, reading, collecting classic cars, bartending, and bird watching.

Greg Otey
greg_otey@urscorp.com

SWOWEA President Carl Gatton is the Operations Superintendent for Warren County's Wastewater Treatment and Laboratory facilities. He has a BS in Environmental Science, a diploma in Electronic Engineering Technology, and is a registered Engineer-in-Training in the State of Kentucky. Carl holds Class III Water Supply Operator, Class III Wastewater Treatment Operator, and Class IV Laboratory Analyst certifications.

He began his career in the wastewater field in 1963 with the Water Management Laboratory at the General Electric Company's Major Appliance Division in Louisville, Kentucky as a member of an applied research team working to develop an innovative residential wastewater treatment system. Carl progressed over the years to become the Manager of Assembly Quality Control for General Electric's Major Appliance Division in Louisville. He left GE in 1985 to accept a position as the Industrial Electronics Business Unit Manager at Xetron Corporation in Cincinnati. Reentry into the wastewater field happened when he joined the City of Hamilton as Laboratory Technician. In 1998, Carl took the position of Laboratory Supervisor for Warren County's water and wastewater laboratories, and in 2003 became the Operations Superintendent.

SW SECTION

Carl Gatton, SW President



Carl is an evening Adjunct Instructor at Cincinnati State Technical and Community College where he has taught General Microbiology, Environmental Chemistry, Environmental Statistics, and Water and Wastewater Technology for the past seven years. He serves as a Curriculum Advisor at Cincinnati State. He also served as the Laboratory Analyst Chair for the SWOWEA for 3 three years and taught in the OTCO WET Program at the Greene County Career Center for two years.

In his spare time, he has authored and co-authored three text books, Science: Inquiry and Investigation, Chemistry: Write to Know, and Biology: Write to Know, for the science education of middle and high school students. He is single and enjoys the natural world, loves animals, and primitive camping. His home companions are a dog and three cats.

Carl feels very honored to serve as President of the SWOWEA for the 2009-2010 term.

Carl G. Gatton
gatteg@co.warren.oh.us

The Southeast Section of the Ohio Water Environment Association held its final section meeting for the 2008-2009 calendar year on May 21, 2009 at the Buckeye Lake Yacht Club in the Village of Buckeye Lake. The meeting was hosted by Stantec Consulting, Inc. who did the planning for the event, and helped offset the cost of the event with a generous donation of \$1,800.

The location was chosen to allow touring the newly completed Buckeye Lake Wastewater Treatment Plant (WWTP), off of Hilton Road. This plant is a 2.0 MG two cell oxidation ditch system that has the ability to route storm flow through the facility to comply with wet weather flow requirements stipulated in Licking County's consent order. Sludge is stabilized by aerobic digestion and stabilized material is dewatered to a cake and stored on site in a custom storage building constructed next to the dewatering room.

Tours were led by Dale Kocarek and Mark Hudak of Stantec. Dale was the project manager for the planning and design, and Mark was the Stantec project manager for construction administration and observation.

Tours of the new Buckeye Lake WWTP were followed by a lunch and business meeting at the Buckeye Lake Yacht Club, with the election of 2009-10 officers and presentation of Section awards. Three Technical Presentations: *Buckeye Lake WWTP Upgrade and Expansion Project* by Mark Hudak and Dale Kocarek of Stantec Consulting, Inc., *Succession Planning Issues for Plant Maintenance* by Dale Kocarek of Stantec Consulting, Inc. and *Young Professionals Presentation on the Fairfield County Tussing Road WWTP* by Brandon Fox

Southeast Section Delegate Michael Frommer and Past President

SE SECTION REPORT

Dale Kocarek

Jim Hays led the Business Meeting. Since this was the last meeting of the year, we elected a new slate of officers for 2009-2010 and thanked Paul Matrka

of Smith Environmental for his service to the Section. We also awarded Section Awards to deserving individuals from the past year who demonstrated excellence in their profession to the water environment in various ways including operations, education, laboratory, and design. It should be noted that winners from the Section Awards become part of the pool of candidates for State Awards at the Annual OWEA Conference the following year. This system of identifying deserving members in our section has led to a number of those members being awarded as winners at the Annual Conference Awards Breakfast the following year.

We wish to point out that one of the nicest things that we do as a Section and as OWEA is recognize deserving individuals with awards for consistent and exemplary service. In most cases, we require that award winners be members of WEF as a "value added" service to our members.

Position	Name	Employer
President:	Greg Otey	URS Corporation
1st Vice President	Steve Elliott	City of Marietta
2nd Vice President	Tyler Linton	GLEC
Treasurer	Mel Weaver	SWLCW&S District
Secretary	Brian Curry	City of Newark
Past President	Paul Matrka	Smith Environmental
3rd Year Director	Matt Boone	Malcolm Pirnie
2nd Year Director	Fred Smith	MS Consultants
1st Year Director	Brandon Fox	Fairfield County
Section Delegate	Michael Frommer	URS Corporation

YOUNG PROFESSIONALS

by Dan Martin

Special thanks to the two dozen attendees who participated in the Young Professionals Committee Meeting at the OWEA State Conference on Tuesday, June 22, 2006. Attendees came up with some great ideas that we will wade through and hone for implementation in the coming year.

- A big idea was an Ohio YP get-together complete with contact hours, a service project, and potential other events.
- Another suggestion was to attempt to organize a YP team for the Operators Challenge competition. This may help smaller municipalities participate in the challenge by contributing one or two participants to a larger group.
- A possible idea was some sort of nomination or prize for a YP to attend the State Conference from each section.
- Finally, there are some collegiate initiatives: The student papers and a possible student design competition to consider. Perhaps one or both of these could take place during the Ohio YP get-together or the State Conference.



Some big ideas to be sure. We may not be able to implement these in the next year, but as we charge into the future, hopefully these will be markers to head toward. If any of these events would be of interest to you, please contact Dan Martin: dmartin@raconsultantsllc.com, 513.469.6600.

Our YP conference experience was enriched by presentations from three University of Cincinnati researchers. Fee Mtshiya discussed green roofs, Ting Lu presented on how bacterial analysis can identify toxins in wastewater, and Woo Hyoung Lee discussed an analysis of sludge flocs at the microscopic level. The ideas in these presentations could be forerunners to the technologies and trends our industry will take in the future. Thanks for the great presentations Fee, Ting, and Woo Hyoung!

Congratulations to the Northwest YPs who held their first event this spring: A plant tour and happy hour. A great start to grow from.

The Southeast YPs had a successful event on May 15th. Great job and special thanks to Brandon Fox for providing this write-up:

The SEOWEA Young Professionals Committee had perfect cooperation from mother-nature as they held the first annual plant tour and golf outing. Fifteen YP's from SE visited the Village of



Hebron WWTP for a great discussion of the plant upgrade and tour of the plant that was completed in 2007. I would like to offer a special thank you to David Robertson and the Hebron staff for donating their time to put on a great tour.

After the tour, the YP's then headed to the Cumberland Trail Golf Course for 18 holes and some quality networking. Mike Frommer, Bill Johngrass, Tiffany Maags, and John Krinks from URS comprised the winning team. Thanks to Henry P. Thompson, Malcolm Pirnie and Smith Environmental for donating prizes. Thanks again to all the participants.

SE Young Professionals Committee is still in the process of trying to locate new young water professionals that are interested in getting involved in OWEA. If your email address has changed or you know of someone who may be interested in joining in our fun and is not currently on our email list, please send contact information to Brandon Fox (bfox@co.fairfield.oh.us).

Contact your Section YP representative to become more involved in the Young Professionals Committee:

- **SE** - Brandon Fox: bfox@co.fairfield.oh.us
- **SW** - Dan Martin: dmartin@raconsultantsllc.com
- **NW** - Walter Ariss: Walter.Ariss@epa.state.oh.us
- **NE** - Nick Bucurel: NBucurel@pirnie.com
- **OSU Student Chapter** - Nick Elmasian. Please contact Nick if you or a Student/YP you know would be interested to develop a **student chapter** at a local university: nelmasian@gmail.com

Special thanks to all the committee volunteers who make the YP committee vibrant! As always, if you have any suggestions or questions, please contact Dan Martin at: 513.469.6600 / dmartin@raconsultantsllc.com

WELCOME

*new members who joined OWEA
in April, May and June.*

Maya Abi Aad	Kelly Kaufman
Margie Anderson	Michael Killian
Justin Bahar	Chad Lampe
Chad, Bailey	Kari Long
Bruce Bassett	Hannah Lubbers
Charles Bauer	Donald Ludwig
Richard Bennett	Pasquale Monfreda
Jeff Blair	Marc Nusser
Brian Blum	Greg Petredis
Sean Borgman	Lisa Pine
Ron Broyles	Shayam Rajadhyaksha
James Davis	Scott Rardon
Andrew Feicht	Jeff Rathge
Dennis Few	Katie Roedersheimer
Dale Filby	Dan Schreck
Daniel Freedman	Latosha Sigler
Chad Hall	Kenneth Simpson
Richard Harrison	Ron Spring
Keith Heffner	Darren Thayer
Ronald Howard	Daniel Vorell
Chris Hubner	Ryan Welsh
Randy Jackson	Mengling Yi
Carrie Johnson	Bobby Zackel
Ted Jones	Thomas Zompero

Career Opportunities

Does your organization have a position to fill?

Are you looking for a position?

Take advantage of the Ohio Water Environment Association's Career Opportunities Web Page.

Visit www.ohiowea.org
and select Career Opportunities.

Or contact OWEA:
614.488.5800
info@ohiowea.org



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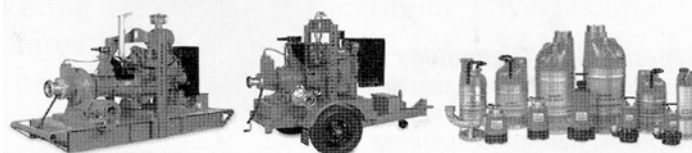
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LAB ANALYST COMMITTEE

by Eva Hatvani, Chair and Nancy Taylor, Co-Chair

SAVE the DATE: September 23-24, 2009

Plant Operations/Lab Analyst Workshop

- The annual lab workshop will be held in conjunction with the Plant Operations Committee.
- Lab Sessions will be on Thursday, September 24.
- Tentative Topics Are:
 - Testing of Rapid Microbial Methods (qPCR) – *M. Citriglia NEORS*
 - What's the Deal with Laboratory Ethics and Data Integrity? – *C. Soltis-Muth NEORS*
 - Key Concepts of Biomonitoring - *Nichole Leiter Alloway*
 - The Hypoxic Zone
 - Biology, Staining, Identifying Filaments, Protozoa, and Why They Are There - *Jon van Dommelen Ohio EPA*
 - Diagnosis on the Fly – Real Time Live Microscopic Analysis of Activated Sludge - *Jon van Dommelen Ohio EPA*
 - Lab Quiz – *Nancy Taylor, Newark and Eva Hatvani, NEORS*

2009 Crystal Crucible Inductees

Congratulations to the following recipients for induction into the Crystal Crucible Society.



Mary Tule	City of Archbold
Dr. John Marks	Zane State College (retired)
Michael Herdlick	Alloway and Tiffen University
Amy Starkey	Stark County Sanitary Engineers
Jim Davis	Montgomery County Water Services – Environmental Laboratory



2009 Crystal Crucible Inductees:

Dr. John Marks, Amy Starkey, Mike Herdlick, Mary Tule, and Jim Davis

Congratulations to the Following Certified Wastewater Laboratory Analysts:

Class I

Benjamin Jackson
Achal Garg
James Klinger
Eric Rogers
Christen Wood

Class II

Martin Bell

Class III

Benjamin Tedrick
Michael Ulatowski

Lab Certification News

Renewals for the certification program will be sent out in Fall 2009. If you did not renew in 2007, you will not be mailed a renewal form because you were removed as your certificate has expired and is no longer valid. Please check the OWEA website for a renewal form.

If you have moved, please contact Eva Hatvani at hatvanie@neorsd.org or 216.641.6000 otherwise we have no way of contacting you.

Upcoming Exam Dates

October 23, 2009

Cleveland and Columbus – Locations TBA

Application Deadline is September 11, 2009

April 23, 2010

Cleveland and Columbus – Locations TBA

Application Deadline is March 12, 2010

For more information visit: http://www.ohiowater.org/owea/For_the_Lab/

NE LAC – Kathy Richards

• **May 29, 2009**

A meeting was held at the Canton WWTP. Two topics were presented for 2 contact hours. The topics were *Pharmaceuticals and Personal Care Products in the Waters of Ohio and the United States* presented by Ralph J Haefner Supervisory Hydrologist, USGS Ohio Water Science Center and *Ohio EPA Surveillance Methods and Quality Assurance Practices* presented by Dave Stroud OEPA-Division of Surface Water, NE District Office.

• **October 2, 2009**

A Wastewater Analyst Certification Review session is planned at the Akron WPCS training facility, 2460 Akron Peninsula Road. Please save the date if you want some last minute training information. Contact Denise Seman or Kathy Richards for more information.

Wastewater Certification Laboratory Review Manuals are still available, either electronically or as a bound copy. There will be an order form available online at the OWEA website very soon. Until then you can always reach me at: NESOWEALAC@gmail.com or 330-928-1164 ext. 484.

continued on page 17

SW LAC – Roger Rardain

There was a meeting scheduled for July 23, hosted by Jim Davis at the Montgomery County Environmental Lab, with 2 presentations followed by a lab tour.

Presentations were:

Bioassay by EnviroScience
Balance usage by Mettler-Toledo

SE LAC – Diana Liston

The Southeast Section of the Lab Analysis Committee will start holding meetings again in 2009. We need to rebuild our membership roster, so please send your contact info (name, organization, phone, fax, etc.). Of course, if you have any particular issues you would like to see covered in our meetings, we want to hear from you!

dliston@co.fairfield.oh.us
614.864.3370, 614.864.1322 (fax)

NW LAC – Kevin Hughes

We would like to welcome Kevin Hughes to the Lab Analysis Committee.

STATE LAC COMMITTEE MEMBERS

State Co-Chair - Eva Hatvani
216.641.6000, *hatvanie@neorsd.org*

State Co-Chair - Nancy Taylor
740.349.6774 Ext. 205, *ntaylor@ci.newark.oh.us*

Northeast Co-Chair - Denise Seman
330.742.8820, *dseman@cityofyoungstownoh.com*

Northeast Co-Chair - Kathy Richards
330.928.1164, *NESOWEALAC@gmail.com*

Northwest Chair - Kevin Hughes
419.488.5440, *watertreatment@tiffenohio.gov*

Southwest Chair - Roger Rardain
937.754.3075, *roger.rardain@ci.fairborn.oh.us*

Southeast Chair - Diana Liston



*LAC at Operations Challenge:
Denise Seman, Eva Hatvani, Nancy Taylor and Terri Brenner*

RESIDUALS MANAGEMENT

by Dave Brewer

The OWEA Residuals Management Committee continues to remain active in the monitoring of issues related to biosolids management and to seek opportunities to serve the membership of OWEA. Since our last update, we have remained active in several main focus areas, including the following:

- **Land Application Rules Revision** – OEPA posted revisions to the land application rules for public comment, based on the comments received on the first draft. The OWEA Residuals Committee met with representatives from OEPA at our May meeting to discuss concerns and issues. A formal set of comments was submitted by OWEA on May 22, 2009. Members of the Residuals Committee and the OWEA Executive Committee contributed to the draft comments. Comments are currently being reviewed and OEPA is also doing a legal review of the potential revisions. It is expected that additional changes to the rule will be made and that a JCARR hearing will be held later in the year. If you would like a copy of the OWEA's comments, please contact Dave Brewer or Jamie Gellner.
- **Farm Science Review** – This year the Farm Science Review will be held near Columbus September 22-24. The Residuals Committee will build on a highly successful public education effort of recent years by continuing to offer promotional flower pots with wildflower seeds and a small amount of potting mix containing biosolids (provided by City of Warren – Nature's Blend™). The OWEA display will also continue to include the popular "wheel of trivia". The Residuals Committee is updating the display and brochure materials. If you are interested in representing OWEA for a brief period in our booth, please contact Dave Brewer or Jamie Gellner.
- **Biosolids Workshop** - Each year, the OWEA Residuals Management Committee organizes the Biosolids Workshop, to be held this year December 10, 2009 in Columbus. Similar to past years, the workshop will be focused on emerging trends and the latest issues in biosolids, and on the benefits, both environmentally and economically of effective biosolids management. If you are interested in presenting or have ideas on topics for the workshop, please contact Dave Brewer or Jamie Gellner.

The Residuals Management Committee is focused on serving the OWEA membership through education, promotion of effective biosolids management, technical information on biosolids, and interface with OEPA on regulatory issues. We always welcome new membership and we would love to have you at our next meeting. If you are interested in getting involved or if you have any questions about the committee, please contact:

Dave Brewer, 937.781.2561, *brewerd@mcOhio.org*

Jamie Gellner, 513.317.0337, *jgellner@hazenandsawyer.com*

PLANT OPERATIONS COMMITTEE REPORT

by Jim Borton and Kim Riddell

The Plant Operations Committee's primary focus in the past and coming year is the Plant Operation's Seminar held in September and the Operations Challenge held in the spring.

Approximately 110 wastewater professionals ranging from front line operations staff and management to representatives from consulting firms attended the 2008 seminar. Conference Attendees were treated to presentations from Ohio's own plant operations, engineering and safety experts, Ohio EPA staff as well as nationally renowned operations experts such as Sam Jeyanayagam, Tom Kutcher, Dan Miklos, George Smith and Eric Wahlberg. This conference for several years has been in partnership with the Safety Committee and new to the conference in 2008 was the partnership with the Laboratory Analysts Committee.

While the development of the 2008 seminar/conference took a significant amount of time early in the OWEA 2008-2009 year, the majority of the committee's time has been devoted to this year's version of the conference and the Operations Challenge held in May. **The 2009 Plant Operations/Lab Analyst/Safety Seminar will be held on Wednesday and Thursday, September 23rd and 24th.** There are nationally recognized experts on the agenda again, so plan on attending or sending your employees! Don't worry, there is plenty of topics for the Operations, Laboratory and/or Safety Professional(s) - we didn't skimp on any of them.

For the price and for what is included; up to 13 contact hours, two lunches, an excellent dinner, breaks and a social hour, this seminar continues to be the best bang for the buck for earning your contact hours without breaking the training budget. But don't take the Plant Ops Committee's word for it, come see for yourself and find out what you have been missing! We plan on seeing you there! Register online at www.ohiowea.org

The Plant Operations Committee also has the responsibility of coordinating the annual Operations Challenge. It should be noted that this contest does not work without partnership from the Laboratory Analyst, Safety, and Collections System committee members along with many dedicated individuals. To increase participation in Operations Challenge, this spring the Plant Operations Committee in conjunction with and via the support of the Executive Committee moved the Operations Challenge to May and back to a treatment plant for the first time in 10 years. It was hoped that separating the two events will promote participation in the Challenge by those who have commitments at the State Conference that conflict with supporting a team, as well as allowing those Cities on tight budgets (all of them?), a way to participate in an economically friendly manner. In addition,

the Executive Committee has agreed to continue to fund the full trip to Orlando, up to \$7000 per team for the two winning teams in Ohio. This is accomplished primarily through the generous contributions of individuals and companies in support of the operations professionals comprising the teams. Please note the list of sponsors on page 19 and take a moment to acknowledge their support when you have a moment.

As a committee, we are challenging treatment plant managers to find a team within their ranks (managers can play too) or combine with another utility and show up in 2010 to compete. The committee is even challenging the OWEA State and Section Executive Committees and OEPA to form teams as has been done in previous years. Existing teams are more than willing to help new teams get started; contact Kim Riddell at kriddell@cityofdelphos.com or Jim Borton at jborton@woosteroh.com for a list of team captains nearest you. Remember, participating team members are eligible to earn up to 12 contact hours and at the going rate the contact hours are some of the cheapest around when comparing dollars/hour.

Current Plant Operations Committee Members are: Barb Wagner (SW), Brian Shultz (SW), Jeff Bruggeman (NW), Steve Elliott (SE), Larry Rouhier (NE), Kim Riddell (WEF Operations Committee Representative and Co-Chair), Gary Hickman, Tom Kutcher, Nathan Coey, Chris Ingram, and Dan Wickard. Other individuals acting as their respective Committee Chairs might as well be listed as committee members as the partnerships between the committees run deep: Ed Nutter (Safety), Eva Hatvani (Lab Analyst), and Nancy Taylor (Lab Analyst). Of course we are still looking for more members, so contact one of the section reps or myself for more information.

Jim Borton, jborton@woosteroh.com, 330.263.5293

Kim Riddell, kriddell@cityofdelphos.com, 419.692.0991



OHIO OPERATIONS CHALLENGE/HANDS-ON OPERATOR ED DAY

by Kim Riddell

On May 28th the Ohio Operations Challenge/Hands-On Operator Education Day was held at the City of Delaware WWTP. In addition to moving the contest away from the OWEA Annual Conference in June, the Plant Operations and Maintenance Committee (POMC) added an operator education hands-on training aspect to the day. Participants earned up to 5 contact hours for some classroom and some hands-on training on such topics as confined space entry, portable emergency pump maintenance, laboratory testing including seeded BOD set-up, collections system sewer taps with proper pressure testing and trench control, and process control. The non-team attendees could take some time watching the competitive Operations Challenge teams and root their favorite team to victory.

This new format for the Operations Challenge competition, appeared successful in its first year and will be considered again for 2010. The committee has already heard of several future teams made up of operator education day attendees for next year! We are excited that the changes in the day's activities generated some interest in competing for that "golden" trip to New Orleans in 2010!

4 competitive teams and 45 individuals participated in the day. The competitive teams included three teams from Ohio (Bowling Green, Cincinnati MSD and Wooster) and an exhibition team from Chicago MSD.

The results of this year's competition were as follows:

- Division 1 - Wooster Scrappers
- Division 2 - Bowling Green Wastewater Rangers
- Laboratory Event – Wooster Scrappers
- Safety Event – Chicago MSD
- Process Control Event – Wooster Scrappers
- Maintenance Event – Wooster Scrappers
- Collections System Event – Chicago MSD



Division 1 – Wooster Scrappers



Division 2 – Bowling Green Wastewater Rangers

The committee truly appreciates the City of Delaware Water Reclamation Center staff for all of their hard work in opening their facility up for our use. The facilities were exceptionally clean and everyone was very accommodating. This event could not happen without the teamwork between the POMC, laboratory, safety and collection system committees and some dedicated individuals. The POMC thanks all of those involved and truly appreciates everyone's assistance in making this new event come off without a hitch (despite the rain). Thanks to Judi Henrich for her assistance with registration and coordination. This was a new experience for the committee and she made it that much easier to take on!

And finally, special thanks go out to the generous individuals and companies that sponsored this event and the winning teams' travel to Orlando for the national competition during WEFTEC this year in October! **Please note the list of sponsors below** and take time to thank them for their support of the operations professionals participating with the teams and those involved in putting on this successful event! Also, there is still time to sponsor the teams for WEFTEC 09. If you would like your name to be added to the list below in a future announcement, please contact the OWEA office, info@ohiowea.org or Kim Riddell, kriddell@cityofdelphos.com.



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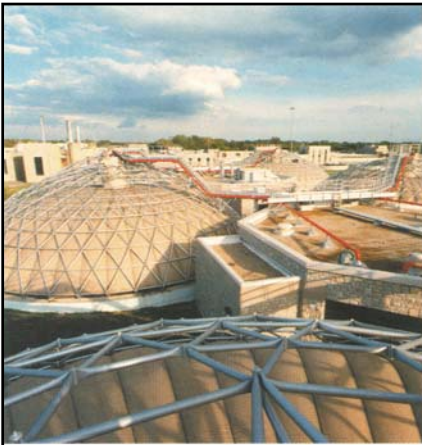


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2009 CONFERENCE WRAPUP - OWEA VISITS THE SOUTH SHORE BY ROUNDING THIRD AND HEADING FOR CINCINNATI

By Dan Sullivan, 2009 Conference Co-Chair, SW Delegate

In June, 2009, over 500 people gathered to participate at the 83rd Annual 2009 OWEA State Conference in Cincinnati, Ohio.

The Conference got underway with a day of golf hosted by Weatherwax Golf Club in Middletown. Forty-six foursomes took on the challenging course, which was in terrific shape, thanks to all the rain that we have had this spring. Many thanks to the sponsors that helped make this a successful event. *(See Golf Sponsors listed on page 26)*

The Conference was officially kicked off with a welcome address by MSD Director, Tony Parrott. Once again, WEF's representative spoke at the Awards Breakfast. This year's speaker, Rebecca West, WEF President from the state of South Carolina, challenged us to promote the great things that WEF and OWEA do. Also, she stressed how each organization relies on the other to operate efficiently and how it brings educational and networking opportunities to its members. She also introduced us to our new member association (MA) liaison Kelsey Brown. Many deserving communities and individuals received awards during this kickoff event. *(See the Award Recipients listed on page 27)*

Thanks to our incoming OWEA President, Mark Livengood, for organizing the most informative and professional group of technical session topics and presenters we have had for this event. We had nearly fifty professional presenters who provided our industry with very current and informative topics.

This year, in conjunction with the exhibits, young professionals presented papers entitled "Tomorrows Technologies and Trends" with YP's enjoying a nice break in the Exhibit Hall. On Tuesday, the Mason WRF hosted the plant tour. This beautiful, state of the art biological nutrient removal facility hosted approximately forty visitors for lunch and a tour of their facility which includes an oxidation ditch, centrifuge and dryer.

After a full day of awards, exhibits, and plant tour, the evening was capped off by the Meet & Greet. In keeping with the conference theme, the event was held at Great American Ballpark, home of the Cincinnati Reds. A cocktail reception was held in the Reds Hall of Fame. Ball game



Tim Shaw and Dan Sullivan
2009 Conference Co-Chairs

inspired finger foods followed in the Champion Club overlooking the field. OWEA's own Tom Angelo kicked the party in gear spinning favorites of the seventies and eighties. The evening closed with coffee and dessert in the Riverfront Room overlooking the Ohio River and skylines of Northern Kentucky and Downtown Cincinnati.

Once again OWEA sponsored a 'Silent Auction' to benefit our adopted charity 'Water for People'. Local merchants, OWEA members and Sections from throughout the state donated items such as game tickets, golf equipment, memorabilia and hotel nights in order to raise nearly \$3000 to provide the opportunity for safe water throughout the world. A special thanks to Keith Riley, Cindy Jacobsen and Jennifer Emerick for all their help.

Also, a big thanks to Jen Kutcher who chaired the Spouses Program. The Spouses Program was, by far, the best in memory. Jewelry making in Mt. Adams, wine tasting in Hyde Park, Newport Aquarium tour, lunch at Brios and a ride on The Duck Tour are a sampling of the fun our many spouses enjoyed over the two days. If you were on the fair

streets of downtown Cincinnati, when the spouses returned to the Hyatt, you saw evidence in their rendition of "YMCA" from the confines of the amphibious bus!

Wednesday evening's finale kicked off with a cocktail hour where the 5S awards were distributed. After Rebecca West presented the WEF awards, Dianne Sumego passed the gavel to OWEA's new President, Mark Livengood. Both Dianne and Mark provided wonderfully short speeches and they assured us that the OWEA is in good hands for the foreseeable future. During cocktails and a sumptuous dinner, the attendees were entertained by the jazz trio of Rick & Rick with guitar virtuoso, Scotty. The author was invited to fulfill his lifetime ambition of fronting a rock band. Sorry to those of

you who missed the performance! The evening closed with an hour set of the self-deprecating humor of Tonight Show, HBO, Bob & Tom Show veteran, comedian Drew Hastings. There was not an unsplit side in the ballroom! All in all, this was one of the better attended and entertaining banquets in quite awhile.

article continued on page 25



Outgoing President Dianne Sumego
passes the gavel to incoming
President Mark Livengood

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In keeping with tradition, Thursday's events closed the conference with sponsored breakfasts and technical sessions. In closing this recap article, I wish to remind everyone that events of this magnitude require the efforts of many people. Further, the OWEA could not function effectively without the continued success of the Annual Conference.

Therefore, I wish to thank the following people and their companies, employers and spouses for their support of OWEA.

In no particular order:

Dan Sullivan	Sullivan Environmental
Tim Shaw	HPT
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Mark Livingood	Montgomery County
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Keith Riley	OEPA
Kristen Atha	Malcolm Pirnie
Jane Winkler	Retired City of Hamilton
Jen Kutcher	Spouse Program Chair

Thanks again to all who attended and supported the 83rd Annual Conference. We hope you had as much fun as we had planning it. See you next year when we return to Columbus.

More pictures and award winners on pages 26-27



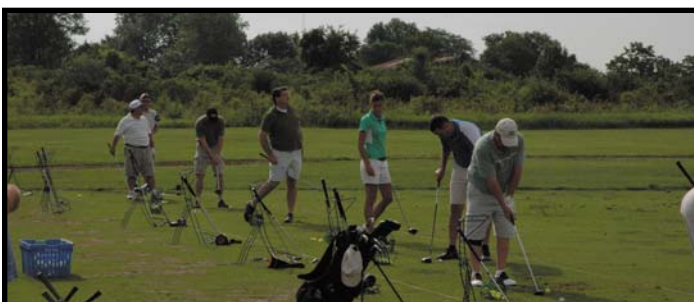


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2009 AWARDS

OWEA Awards

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Dean Stewart	Frank D'Ambrosia Village of Archbold
J.W. Ellms	Keith Riley OEPA-NEDO
F.H. Warring	Guy M. Jamesson Malcolm Pirnie
W.D. Sheets	Carl G. Gatton Warren County Water & Sewer
P.W.O.	Jason Conrad Southwest Licking Water & Sewer
Public Service	Franklin County Commissioners
Lifetime Engineering	David Shank, Burgess & Niple Michael Burgess, URS
L.T. Tom Hagerty	Andy Gall OEPA-NWDO
Engineering Excellence	Tom Voldrich, PE CT Consultants
Laboratory Analyst	Mark Citriglia NEORS
Collection Systems	Tina Wolff Malcolm Pirnie

WEF Awards

Arthur Sidney Bedell	Deborah Houdeshell Stearns & Wheeler
William D. Hatfield	Randy L. Greeno City of Findlay
Laboratory Analyst	Denise Seman Youngstown

WEF Recognitions

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COLLECTIONS

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10-19 Employees	No Award Made
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10-19 Employees	Allen County Sanitary Engineering Dept.
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City of Lebanon WWTP
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City of Zanesville WWTP
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MSDGC Polk Run Treatment Plant
MSDGC Sycamore Creek Treatment Plant
NEORS Southerly WWTP
NEORS Westerly WWTP
Village of Canal Winchester WRF
Village of Yellow Springs Collections
Village of Yellow Springs WWTP



WEF President Rebecca West presents WEF's Arthur Sidney Bedell Award to Deborah Houdeshell



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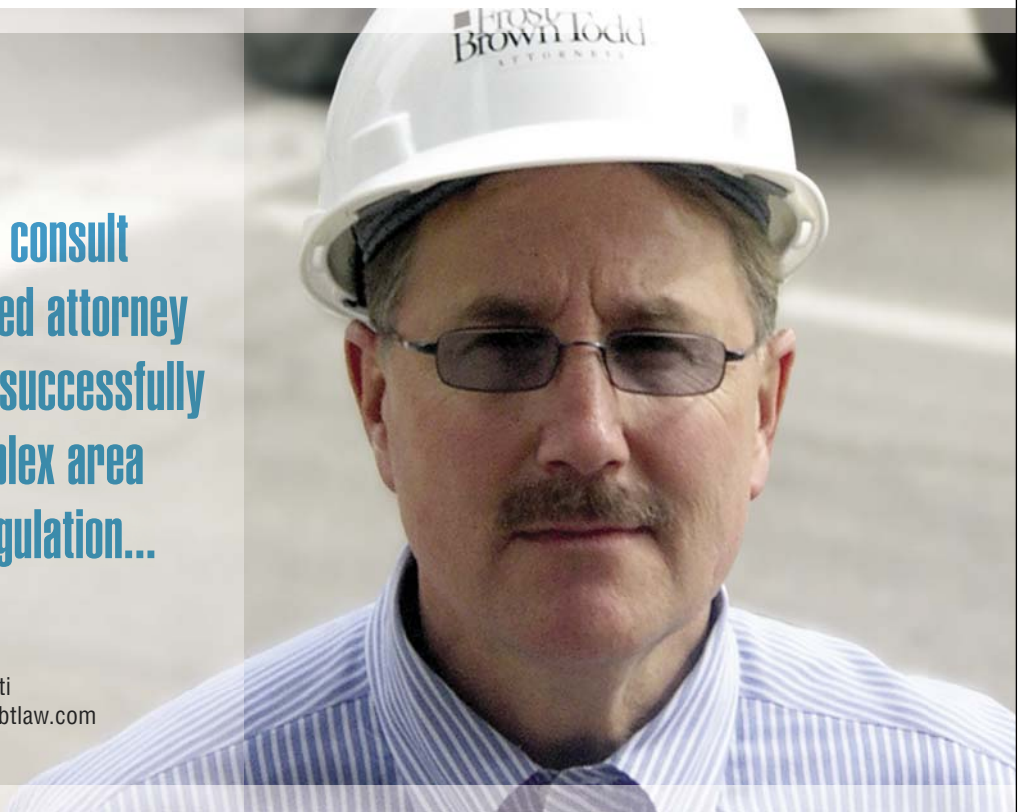
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BEST MANAGEMENT PRACTICE IMPLEMENTATION IS THE FOCUS OF THE SANDUSKY RIVER WATERSHED

by Cindy Brooks, Watershed Coordinator

Sandusky River Watershed Coalition/WSOS Community Action Commission, Inc.

Soon to be celebrating 13 years since its formation, the Sandusky River Watershed Coalition has been through many stages of growth. It has grown beyond a new organization concerned with planning and education to an organization still doing planning and education to now focusing on efforts of implementation of Best Management Practices.

The Sandusky River Watershed is 83% agriculture within its 14 sub-watersheds (See Figure 1), which is why the primary focus involves working with watershed farmers to find ways to reduce the impacts on soil erosion and nutrient losses while maintaining or improving the economics of their farm operations. Over the years, education about reducing soil loss has moved watershed farmers to convert their tillage practices from conventional to no-till or conservation tillage which has reduced the impact of sedimentation into our streams, rivers and lake as well as reduced costs spent on equipment, fuel and time. More recently the push has been focused at nutrient management due to river monitoring showing increased levels of dissolved reactive phosphorus. With all this occurring, the Sandusky River Watershed Coalition and its partners have joined together to be proactive in solving these and other problems.

To help farmers in the Honey Creek Watershed, a US EPA Targeted Watershed Grant administered by Heidelberg University's National Center for Water Quality Research has offered to assist Honey Creek farmers see the benefits of reducing inputs by learning more about the needs of their soil. This grant provides a Grant Technician, employed by the local Soil and Water Conservation Districts, to assist farmers determine the best possible program to assist them in reducing phosphorus and nitrogen loading found in the Honey Creek watershed. Since starting last fall there have been 7 applicants approved into the phosphorus reduction incentive program with more anticipated later this fall. This grant encourages other best management practices as well, including nitrogen reduction, grass and tree buffers, permanent wildlife habitat, windbreaks, wetland restoration, pasture and hayland plantings and controlled drainage to name a few.

While Honey Creek farmers are involved with the Targeted Watershed Grant, across the entire Sandusky River Watershed, farmers are being encouraged to participate in the Great Lakes Protection Fund Grant which is studying more about what is influencing levels of dissolved reactive phosphorus loading to our streams, rivers and the lake. Stratified Soil Testing, taken along side conventional soil testing, and historical field data is used to determine what management styles lead to higher dissolved reactive phosphorus runoff. Best Management Practices for nutrient management, specifically phosphorus, are encouraged through focused educational efforts as a method of reducing this source of non-point pollution. Recent results indicate that fall broadcast application, due to lack of incorporation, can lead to higher loss of fertilizer applications during fall runoff events.

During the summer and fall of 2008 the Sandusky River Watershed Coalition focused their efforts with the assistance of an American Water Grant on educating its residents about the proper disposal of Prescription and Personal Care Products (PPCPs). Coupled with the education, three (3) collections were held at watershed hospitals, collecting

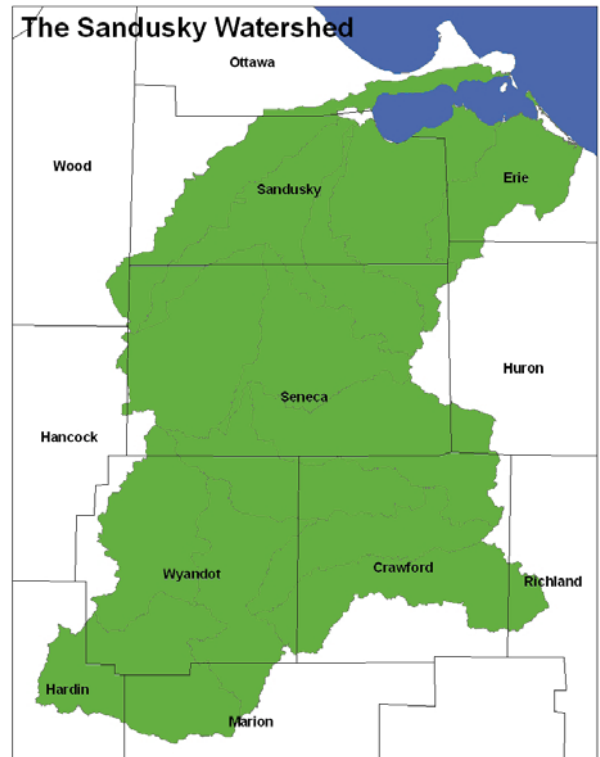


Figure 1

over 84 gallons of PPCPs for incineration. The program is continuing with another watershed hospital planning to hold an event later this fall and the Solid Waste Districts throughout the watershed in the process of planning future events. These collections are important for both urban and rural residents, since flushing of some materials can render a septic system inactive, creating an increased number of contaminants to our waters that must then be treated before distribution. The Coalition has found this program most helpful in bringing together urban and rural residents as partners for both environmental and economic improvements.

A former Ohio EPA 319 Clean Water Grant provided funding for the repair and replacement of 144 Home Sewage Treatment Systems and it is hopeful that through the American Recovery and Reinvestment Act funds additional systems can be replaced. Work with local county Health Departments is moving forward to encourage participation in this program to further advance implementation in this area of need.

On the ground, best management practices are the visible difference, but in order to get to this point education and planning are still necessary. For this reason the Sandusky River Watershed Coalition, in partnership with Ohio EPA Division of Drinking Water, has been providing Source Water Protection Planning Workshops for municipalities using surface water. Offering a series of five workshops for water operators and local project teams will produce outlines for a Source Water Protection Plan to be endorsed by the Ohio EPA. These plans will assist the Coalition to further identify target areas for future program efforts and assist the communities in protecting their source water now and into the future.

Ground Water Management Systems: Troubleshooting and Maintenance was the topic of a recent training provided to 34 Registered Sanitarians, Water Operators, Engineers, Well Drillers and Water Treatment Service Providers. This training focused on proper well maintenance and cleaning procedures for those using groundwater as their source of water supply.

The Annual River Clean-ups provide ongoing education and outreach with hundreds of watershed residents about the need for a clean, healthy environment. These annual events are held in Crawford County (2nd Annual), Seneca County (12th Annual) and Sandusky County (6th Annual) and achieve removal of tons of trash, metal and tires from approximately 20 miles of the Sandusky River and tributaries.

As with any other organization, the recent economy is creating the challenge for moving forward after the Ohio Watershed Coordinator Grant ends in December 2009. Hard work and commitment of the Coalition's Steering Committee has laid out a fundraising plan they are currently working on in order to continue more planning, education and implementation into the future. This is why it is important to support your local watershed organization so improvements can continue to be made for a safer environment for yourself and all future generations.



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by Holly L. Weatherhead

TCA Plant Manager/Veolia Water North America

History

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TCA Structure

TCA has one full time employee—its General Manager, David Heckler—while the TCA Board, comprised of the member city managers, governs its activities. TCA's committees: Finance, Planning and Development and Technical—provide input to the General Manager and TCA Board on operating decisions while Engineering and Operation of the facility are outsourced. As mentioned earlier, Veolia Water operates the facility for TCA under a 10-year, full risk operations and maintenance contract. Veolia is responsible for the operation of the facility; land application; sanitary sewer inspection for TCA and the member cities; industrial pretreatment; and facility maintenance.

Facility Information

The North Regional facility is an 11.2 million gallon per day (mgd) design, two-stage trickling filter facility. The sludge is stabilized by anaerobic digestion. Flow is received at the North Regional via two locations: the North Regional Interceptor and the Huber Heights gravity line. The North Regional Interceptor (NRI) accounts for approximately 65% of the total facility flow. The NRI collects flow from Tipp City, Vandalia and a portion of Huber Heights and discharges to the facility's Main Pump Building where it is pumped to the headworks. The Main Pump Building is equipped with four electric raw sewage pumps and two gas drives for a total pumping capacity of 30.2 mgd.

A second flow is received via gravity to the headworks from Huber Heights and accounts for approximately 35% of the total flow. The flow is co-mingled at the headworks and moves through grit removal and an in-channel comminutor. Flow then moves to primary clarification. The two primary

clarifiers, measuring 130' diameter with a 15' side water depth (swd), removes 80% of the influent Total Suspended Solids (TSS) and 65% of influent CBOD5. Water then moves from primary clarification to equalization basins (measuring 30' wide with a 7.5' swd) which provide storage for constant flow to the trickling filters. The first stage trickling filter (called Random Media Filters or RMFs) consists of four units that are 90 feet in diameter with 8 feet of media depth. The trickling filter media is a random media dump that reduces CBOD5 by approximately 65% while ammonia is reduced by approximately 18% due to assimilation. The water is then sent to intermediate clarification (2 units with a 130' diameter and 15' swd) for solids reduction before moving to the second stage trickling filter. There are two second-stage trickling filters called Nitrification Towers that provide 95% percent ammonia treatment although usually only one tower is on line at a time. These units measure 100 feet in diameter with 24 feet of media depth. The media—which was replaced in 2002—is block media (6' long x 2' wide x 2' deep). As with the first stage trickling filter, clarification is provided for solids reduction before water is sent to the chlorine contact tank where, using Oxidation Reduction Potential for control, chlorine is injected into the water and allowed to reduce the amount of bacteria. Sulfur dioxide is used for dechlorination to meet the 0.038 mg/L limit for total chlorine.

Sludge is removed from the primary clarifier and is pumped to the primary anaerobic digester. Since sludge from the intermediate and secondary clarifier settles poorly, as is characteristic of solids removed from trickling filters, the sludge is sent to the headworks and for co-mingling with primary sludge. The primary digester is 80 feet in diameter with a 42 foot side water depth. Digestion and significant methane gas production occurs in the primary digester creating approximately 16 to 18 cubic foot of gas per pound of volatile solid destroyed. The primary digester has an insulated, fixed dome and utilizes three mixers and two heat exchangers for maintaining proper sludge temperature. The two secondary digesters measure the same as the primary digester, but the secondary digesters are equipped with floating domes that are capable of storing 110,000 cubic foot each of digester gas. The gas produced from this system is used to fuel four internal combustion engines that drive generators and raw sewage pumps used in the Main Pump Building. Two of the four engines drive generators that provide approximately 1/2 of the power requirement while the other two engines drive direct drive pumps. A heat loop is used to cool the engines and to heat the sludge in the primary digester.

Real Time Monitoring

The North Regional facility experiences periodic effluent ammonia increases a few months each year. It was difficult to fully understand the issue due to sampling limitations and, originally, it was believed this issue was strictly a Nitrification Tower issue. As the need to fully understand

what was occurring in the treatment train increased TCA decided to install a Real Time Monitoring system with sampling stations located throughout the facility. In 2006 a total of six additional (to the already established influent and effluent stations) sample stations were installed that provide continuous monitoring of dissolved oxygen, ORP, temperature, nitrate, nitrite, ammonia, phosphorus and total suspended solids information. Three weather stations were also installed to provide information on what is occurring in the nitrification towers versus ambient conditions. Based on information from the Real Time Monitoring it is now believed that treatment issues originates in RMF which stresses the Nitrification Tower. Staff has been using the RTM information to tweak operations including better RMF flushing.

Municipal Industrial Pretreatment Program

The North Regional Municipal Industrial Pretreatment Program (MIPP) has five Significant Industrial Users that discharge flows less than 150,000 gpd. Of the five, three are Categorical Industrial Users and two are locally limited. The Categorical Users consist of metal finishing, pharmaceutical, and aluminum casting while the locally limited users consist of industrial washing and an airport.

Land Application Program

Liquid biosolids, between 2 to 4% solids, are pumped from the Main facility to one of seven storage tanks via force main. TCA's Class B biosolids classification is achieved through 38% VS reduction and immediate incorporation for vector attraction reduction and anaerobic digestion for pathogen reduction. Biosolids are applied at agronomic rates to 742 acres, divided into twenty-five fields over TCA's three farms using two, 4,800-gallon tankers and a dragline unit. The dragline unit is capable of land applying 65,000 gallons of biosolids per hour. Using this unit cuts down on soil compaction, saves fuel and reduces over the road traffic. Both tankers and dragline utilize a pump to withdraw biosolids from the storage tanks.

TCA has invested time and money into land application management innovations including a GPS system, ground water monitoring, isotopic nitrogen analysis, custom contract farming agreement and filter strips. GPS is used to delineate fields and input soil conditions, collected from soil sampling conducted every three years; biosolids constituents; and crop yield. In the future, the GPS will control the biosolids application rate based on soil and crop needs which will utilize the biosolids maximum nutrient value for crop growth without impacting groundwater.

The groundwater monitoring system utilizes sampling conducted on seventeen wells and other river, creek, tile and spring sites spread throughout land application sites to determine groundwater quality. Wells are sampled two times a year, during the spring and fall. Each sample is analyzed for field parameters such as pH, alkalinity, ORP, conductivity and temperature and laboratory analysis constituents such as chloride, fecal coliform, dissolved solids, ammonia, nitrate, total phosphorus, total potassium and TOC. Any samples with nitrate concentration over 5 mg/L are analyzed for nitrogen isotopic distribution.

Nitrogen isotopic analysis began due to monitoring locations having significant nitrate concentration. Ohio EPA questioned if groundwater nitrates concentration was due to land application, commercial fertilizer use or other reasons. TCA learned from Ohio EPA that there was a way to distinguish source of nitrates and engaged Veolia's technical resources to find a laboratory that conducts such analysis. Boston University and University of Waterloo were identified as two laboratories that conduct the analysis. Analysis indicated that the elevated nitrate levels were due to commercial fertilizer or soil background. Based on that information TCA required their contract farmer to cease using commercial nitrogen. To make this requirement more palatable, TCA had to address the contract farmer's mindset on the need for commercial fertilizer and compensate the farmer for potential loss. TCA agreed to pay the contract farmer for all input costs including equipment and labor. Annually, TCA reimburses the contract farmer's input costs and the remaining crop revenue is split evenly between TCA and the contract farmer.

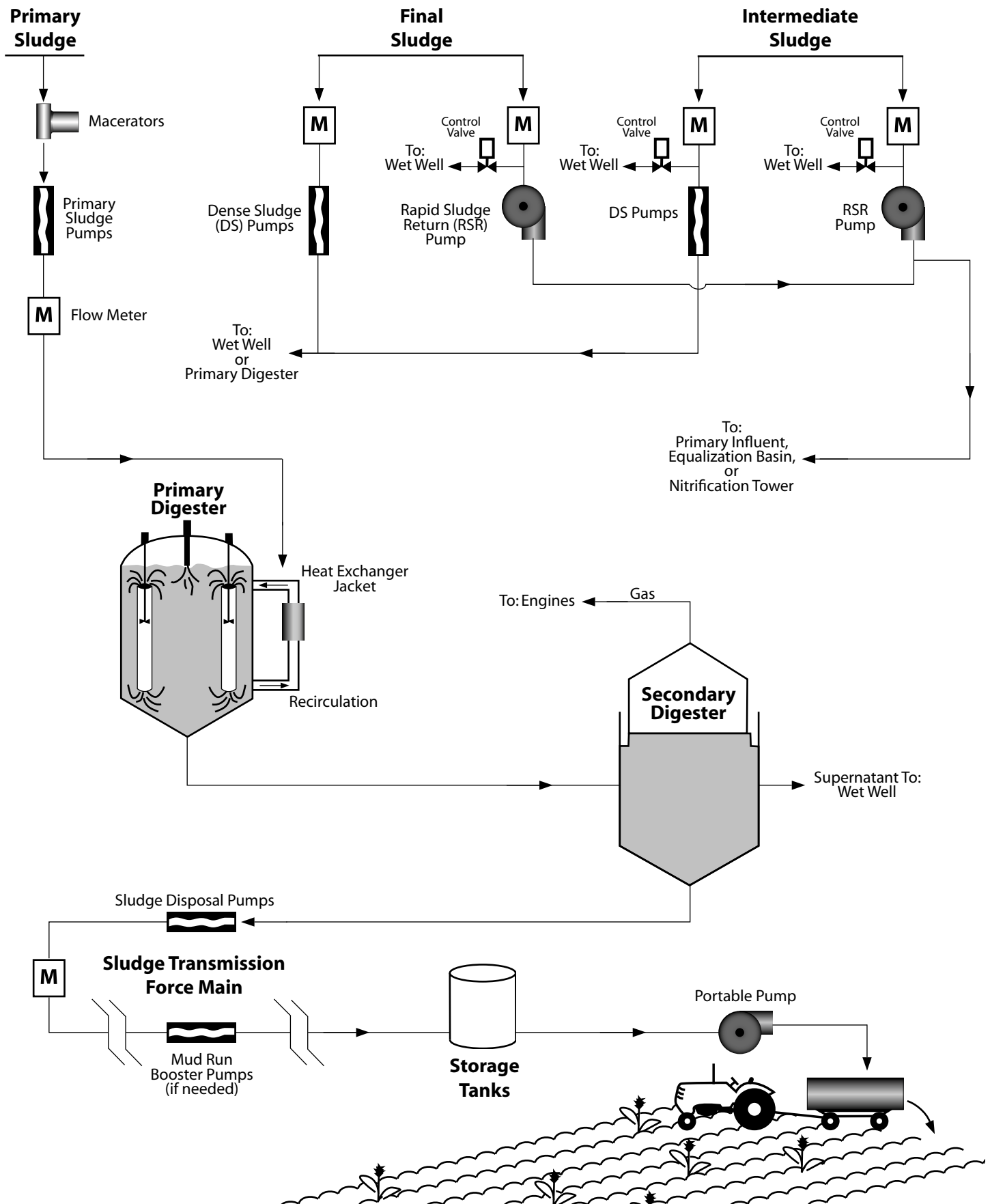
As required by the Ohio EPA sludge regulations, a thirty-three foot set back from streams and rivers is required to help prevent biosolids from reaching waterways. To make better use of the required set back, TCA installed Pheasant Forever

article continued on page 38



North Regional Wastewater Treatment Facility

RESIDUAL TREATMENT FLOW DIAGRAM



(CP-33) filter strips at each stream/river and TCA-owned field interface. The filter strips help filter out sediment to lessen stream impact and provides habitat for pheasant and quail as an added bonus.

Collection System and SSES

As mentioned earlier, Veolia provides CCTV sanitary sewer inspection for each of the member cities and TCA's interceptor. There are a total of 278.6 miles of total gravity sewers. Each city has been completely inspected once and will be inspected again using the recently upgraded CCTV system. The new system utilizes digital imaging and GPS as part of the database program. Additionally, TCA owns and Veolia operates a Jet/Vac system to assist with collection system cleaning in association with the CCTV inspection. TCA and the member cities continue with Sanitary Sewer Evaluation Survey (SSES) tasks such as flow monitoring,

sewer line and manhole grouting, and inflow and infiltration abatement program.

Future

TCA continues to work towards providing the highest quality conveyance and treatment services at the lowest cost to the citizens of Huber Heights, Vandalia and Tipp City. Even so, there are challenges and opportunities that lie ahead such as the new draft sludge regulations; occasional ammonia compliance issues; inflow and infiltration issues; and the potential to operate the facility off the electric grid. TCA is confident that these challenges will be met and addressed appropriately.

Holly Weatherhead, holly.weatherhead@veoliawater.com

NORTH REGIONAL DESIGN AND 2008 INFLUENT VALUES

Parameter	Design Value	12-Month Running Average	Dec '07 Average	Dec '08 Average	12-Month Running Avg. vs. Nov '08	Dec '07 vs. Dec '08	% Capacity Used
Flow, mgd	11.2	8.751	11.133	8.079	7.68%	27.43%	72.13%
BOD5, lbs/day	18,680	9,130	7,652	8,654	5.21%	-13.09%	46.33%
BOD5, mg/L/day	200	152	82	171	-12.50%	-108.54%	85.50%
CBOD5, lbs/day	---	8,701	9,582	9,357	-7.54%	2.35%	---
CBOD5, mg/L/day	---	140	103	176.5	-26.07%	-71.36%	---
TSS, lbs/day	18,680	8,556	9,806	7,828	8.51%	20.17%	41.91%
TSS, mg/L/day	200	135	104	146	-8.15%	-40.38%	73.00%
NH3-N, lbs/day	2,570	986	1,018	1053	-6.80%	-3.44%	40.97%
NH3-N, mg/L/day	27.5	16.2	11	19.8	-22.22%	-80.00%	72.00%

North Regional NPDES Permit Limitations and 2008 Effluent Average

Parameter	Limit	January – December 2008 12-Month Running Average
CBOD5, mg/L/day (monthly)	12	8.1
TSS, mg/L/day (monthly)	18	7.6
NH3-N, mg/L/day (monthly, summer)	1.5	0.9
Oil and Grease, mg/L	10	3.2
Dissolved Oxygen, mg/L	5.0	7.57
Chlorine Residual, mg/L	0.037	<0.001
pH, SU	6.5 – 9.0	7.4-8.6
Fecal Coliform, #/100 mL (monthly)	1000	269
% Removal, CBOD5	85%	94%
% Removal, TSS	85%	94%
% Removal, NH3	---	95%

Minutes of the 2009 Annual Business Meeting
Tuesday, June 23, 2009
The 83rd Annual Meeting, 2009 Annual Conference, Hyatt Regency Cincinnati

President Dianne Sumego called the meeting to order at 11:19 a.m.

Items for approval were the 2008 annual business meeting minutes. Jane Winkler, Secretary-Treasurer, reported that the minutes were published in the Fall 2008 issue of the Buckeye Bulletin. Copies of the minutes were available. Mark Livengood motioned and Deb Houdeshell seconded to dispense with the reading of the minutes. Motion carried. Keith Riley made a motion to approve the minutes, with a second by Mike Welke. Motion carried. Jane Winkler, Secretary Treasurer, gave the Treasurer's report. A motion to approve the report was made by Deb Houdeshell and seconded by Mark Livengood. The motion passed.

Section reports were given. Frank D'Ambrosia reported for the Northwest section, John Leiendecker gave the Northeast section report; Paul Matrka represented the Southeast section, and David Reimer presented the Southwest section report. Written reports were submitted for the official minutes. Each outgoing Section President was presented a certificate of appreciation for their service by President Sumego.

WEF Delegate's report: Steve Morrison, Senior Delegate and Junior Delegate, Phil Anderson, had nothing to report.

WEF President, Rebecca West, offered greetings and comments from WEF. Rebecca remarked on WEF's action taken in response to the MA surveys resulting in the appointment of dedicated staff to MAs. She reiterated that the board is fully committed to improving WEF-MA relationships. She also touched on financial issues, website improvements, and infrastructure support progress.

Standing/Ad hoc committee reports: Committee chairs were permitted to give brief updates on their committee's activities. Written reports were submitted for the minutes.

Items for Voting:

Approval of OWEA's Rules and Regulations - Mark Livengood

Mark pointed out that there was one small typo that needed correcting. Motion to approve as corrected by Doug Clark, second by Dale Kocarek. Motion carried.

Nominations and elections - Steve Morrison

Steve Morrison presented the following names for the 2009-2010 officer positions: President - Mark Livengood, President Elect - Dale Kocarek, Secretary/Treasurer - Jane Winkler, and Vice President - Doug Clark. Dianne Sumego will serve on the executive committee as Past President. Steve Morrison made a motion to accept the nominations as presented, seconded by Deb Houdeshell, motion carried.

OWEA had received letters of support from the Northeast Section for the appointment of as the Elizabeth Wick as delegate and for the advancement of Doug Clark to the position of Vice-President.

Announcements-

A moment of silence was held for deceased members.

As no other business was put before the group a motion to adjourn was made by Mark Livengood and seconded by Mike Welke.

President Sumego adjourned the meeting at 12:04 p.m.

Submitted by Jane Winkler, Secretary-Treasurer

DPL DEMAND RESPONSE PROGRAM MONTGOMERY COUNTY WATER SERVICES (MCWS)

by Mark J. Livengood
Manager Water Reclamation Service Group

In spring of 2009, Montgomery County Water Services (MCWS) signed an agreement with Dayton Power Light Energy (DPLE), authorizing MCWS to become a member of an electric demand response program. This program compensates customers for curtailing peak electric load from the electric transmission grid during peak load emergency events. This demand response program rewards large electric power users for removing their demand from the electric grid when (if) a peak load emergency event is declared. This would most likely occur during a severe heat wave when home and business electric demand is greatest for air conditioning cooling, or during severe cold winter weather when heating demands are high.

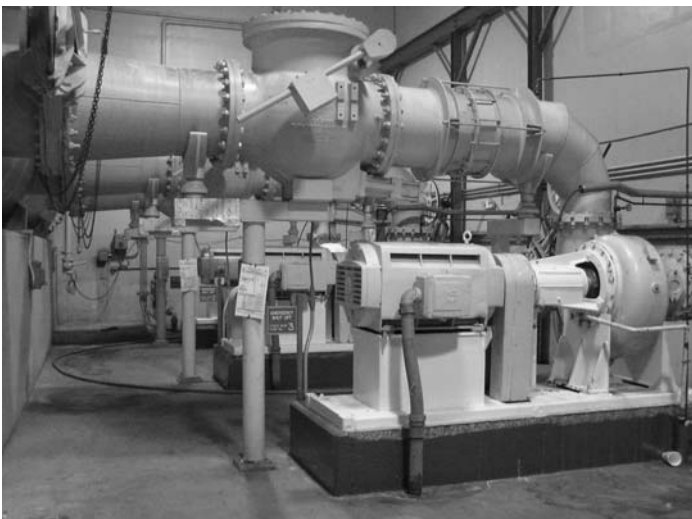
The agreement's dates are from June 1, 2009 through May 31, 2011. For the Dayton, Ohio area, the primary agency that regulates the amount of electric power available on the grid is known as PJM (Pennsylvania Jersey Maryland Regional Transmission Operator). DPLE is known as a Curtailment Service Provider.

For each year (June 1 through May 31), PJM or DPLE could request up to 10 electric energy curtailment events. Each curtailment period would be given at least a two hour advance notice. Events will only occur between 12:00 PM to 8:00 PM, Monday through Friday, not including holidays. No single event will last longer than 6 consecutive hours. For example, if an energy curtailment period was required between 2 PM and 6 PM, MCWS would receive a phone call and email by 12 noon that day. From 2 PM to 6 PM, the electric accounts enrolled in the program would have to be removed from the grid. After 6 PM, the account could be brought back onto

the electric grid. DPLE will verify, based on electric meters readings, whether the account was removed from the grid. It is possible for curtailment events to occur on consecutive days. If MCWS does not or cannot remove one or any of the enrolled accounts from the grid, MCWS would be penalized (assessed a fee) based on a percentage of the normal kilowatts each account not removed normally demands from the grid. In other words, if the demand is not removed from the grid, MCWS could see their actual energy cost increased versus using emergency generators for short periods of time.

MCWS has enrolled four major electricity accounts in the program. Three of these are for our water reclamation treatment plants or pumping stations, with the other being a major drinking water booster station. The water reclamation facilities in the program are Eastern Regional WRF, Western Regional WRF, and the Dryden Rd. Pretreatment and Pumping Facility. The water reclamation facilities have emergency diesel-powered electric generators that would be activated during the curtailment period. The water booster station can be shut down for six hours without causing drinking water system pressure or volume concerns. MCWS is planning to purchase a portable 350 kW diesel powered generator in late 2009 that could be used at this booster station if needed. DPLE required MCWS to provide a written standard operating procedure (SOP) of how MCWS would ensure it would respond to a curtailment request. MCWS developed a simple written outline of steps it would take prior to, during and post-curtailment activity. These steps are outlined on page 41.

article continued on page 41



Large raw sewage pumps would be powered by diesel engine generators during demand response program.



Demand response program would require the environmental laboratory, including these incubators, to be powered using diesel engine generators.

Prior to Notice from DPLE or PJM

1. MCWS staff will maintain generators and switch gear in working and ready condition. Routine preventive maintenance shall be a priority. Necessary fluid checks and documentation shall be performed.
2. Planned test running shall be performed by MCWS staff to insure generators are working properly.
3. Fuel volume shall be monitored by MCWS staff on a daily basis.
4. A phone contact matrix shall be provided to MCWS Dispatch to insure that verbal notice of requested curtailment is provided to Water Reclamation and Field Operations.
- 5.

When DPLE or PJM gives notice to schedule curtailment

1. Call from DPLE or PJM is received by MCWS Dispatch giving 2 hour notice.
2. MCWS Dispatch will contact Water Reclamations and Field Operations using telephone contact list.
3. MCWS staff will contact affected facilities and provide the necessary start time of service curtailment.
4. MCWS staff shall begin curtailment approximately 15 minutes prior to required start time.
5. MCWS staff shall check all available generator systems for state of readiness for planned running up to 6 consecutive hours.
6. MCWS staff shall not operate non-essential equipment during period of curtailment.
7. If necessary, MCWS staff shall be scheduled (e.g. overtime) to monitor generator operations and to resume normal service after curtailment period.
8. If necessary, MCWS staff shall order fuel delivery within 24 hours to restore necessary fuel inventory.

When call to end curtailment period or maximum 6 hour period is reached

1. If DPLE or PJM calls MCWS Dispatch to halt curtailment prior to maximum 6 hour period, MCWS Dispatch shall notify Water Reclamation Manager and Field Operations of this notice. Dispatch shall continue down phone contact list until verbal notice is communicated to each work group.
2. Manager and the responsible Field Operations person contacted by Dispatch shall notify the MCWS facilities to return to normal service as soon as practical.
3. If 6 hour period is reached, MCWS staff shall note time in their generator run documentation and

return facility to normal service as soon as practical. Generators shall be allowed to shut down following normal procedures. Liquid levels shall be checked and adjusted as soon as conditions allow.

4. Fuel shall be ordered if necessary.

Post-curtailment operations report

1. Within 72 hours of the end of each curtailment operational period, each MCWS Team Leader and assigned Field Operations employee(s) shall prepare a one-page written report on their respective facility operations during the curtailment period. Information shall include pertinent information on generator operations, personnel involved, and other applicable issues. Said report shall be issued to their respective Manager, reviewed and signed-off on by the Manager.
2. Reports shall be forwarded to MCWS Deputy Director and Director within 5 days of the end of each curtailment period.

As of July 24, 2009, MCWS has not been requested to curtail electric use. The southwest Ohio area has experienced a cooler-than-average summer season so far. The agreement requires a mandatory one-hour curtailment test by September 30, 2009, should a requested curtailment event not occur. This is required to prove to PJM and DPLE that the enrolled accounts can remove themselves from the electric grid.

Should MCWS be requested to remove their enrolled accounts from the electric grid the maximum 60 hours (10 events for 6 hours each event), MCWS would save almost \$100,000 in electric charges from DPLE. MCWS estimates the cost to run the required emergency generators to be \$30,000 (primarily fuel costs). MCWS would incur a portion of these costs due to normal and planned test running of generators during the year. In summary, MCWS believes if the 10 curtailment events per year are ordered, MCWS will save approximately \$80,000.

Other advantages of entering this program includes providing meaningful training to operators and maintenance staff on the proper maintenance and running procedures on the emergency generators that normally sit idle. MCWS staff also have learned more about how the electric energy is regulated and provided to the Dayton region. Face-to-face meetings have occurred that provide a greater comfort level to MCWS staff upon entering into a two-year long agreement.

For further information, please contact Mark Livengood (937) 781-2559, livengoodm@mcohio.org



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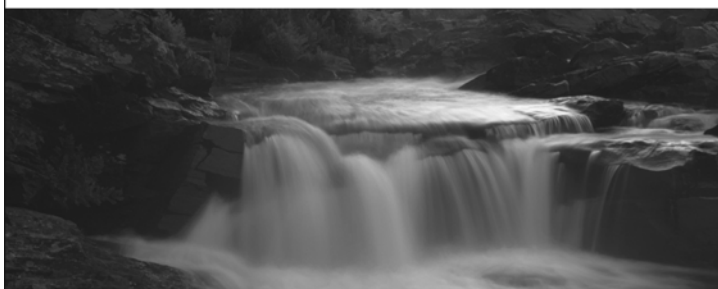
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WATER FOR PEOPLE

by Keith Riley

I want to thank everyone who supported Water For People by participating in our “string”, “mulligan”, and “corn hole” fund raising events at the Conference Golf Outing, our 50:50 drawing at the Meet and Greet, and our Silent Auction event during the Annual Conference. Through your generosity, OWEA raised a total of \$4,955 to support the good works of Water For People. I believe this is a high for our annual conference combined events. This is enough funds to provide safe water and sanitation to a small village!

I want to express a deep thanks to our fund raising event chairs: golf string/mulligans - Dianne Sumego, corn hole - Cindy Jacobsen, Meet & Greet - Debbie Metz, Pam Davis, and Lynette Schroer (AWWA volunteers), and Silent Auction - Jennifer Emerick and Cindy Jacobsen. There were also many others who helped make these events successful.



Conference attendees peruse the Silent Auction table

The following Water For People heroes donated items for the Silent Auction:

Business Donors:

Anthony Thomas Candy Co.
Artina Promotional Products
Atwood Lake Resort
Cincinnati Reds
Cleveland Zoo
Cincinnati Water Works
Columbus Zoo
GGC Engineers
Godival Chocolatier
HDR, Inc.
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Business Donors - cont:

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Waterford
Woolpert

Individual Donors:

Ken Allen
Ted Baker
Valerie Bendoff
Jennifer Emerick
Debbie Houdeshell
Bill Hyland
Cindy Jacobsen
Keith Riley

Thanks to our Water For People Guardians:

2009 Fund Raisers:

June 09	Annual Conf. Golf Event	\$1,870
June 09	Annual Conf. Meet & Greet	\$313
June 09	Annual Conf. Auction	\$2,772
June 09	5S Donation	\$500
July 09	NE Section Golf Event	planned
Oct. 09	NE OEHA Donation	planned
2009	Current Total	\$5,455



2010 CALL FOR PAPERS

Due December 1, 2009

84th Annual OWEA Annual Conference

The Columbus, A Renaissance Hotel June 15 - 17, 2010

The Ohio Water Environment Association is looking for papers on topics of interest to present at the 84th OWEA Annual Conference in Columbus, Ohio. The 2010 Conference Committee is interested receiving abstracts on the following topics:

1. Wet weather compliance strategies
2. Practical CMOM and asset management
3. Residuals management—looking to the future
4. Maintenance management topics
5. Low cost strategies to optimize wastewater treatment
6. Coping with the brain drain
7. De-centralized treatment alternatives and strategies
8. Green technology—what works?
9. Sustainable infrastructure design
10. Project financing
11. Success stories and lessons learned
12. Laboratory topics
13. Industrial pre-treatment case studies
14. Safety program innovations
15. Future regulatory initiatives

For more information contact: Dale E. Kocarek, PE, BCEE, 2010 Technical Program Chair

T: 614.483.4383 E: Dale.Kocarek@Stantec.com

Full submission information available at www.ohiowea.org

WATER FOR PEOPLE UPDATE

by Ned Breslin, Executive Director, Water For People

India Update

As many of you know, India was struck by a catastrophic cyclone that hit 3 of the 7 districts Water For People works in very hard. Over 5 million people have been displaced and the wreckage is significant. Our friends in India have lost everything, their houses are gone, their clothing, their pictures, their shrines, etc.

Water For People's team has gone to make an initial assessment and the news is remarkable. Forty-four multi-tiered communities (thousands of people in each) that Water For People has historically supported were affected. All the water systems in these communities except three are now functioning because the circuit rider program we set up is working, and the mechanics have already got the water flowing again (refer to Program Overview, section on alternatives to Community O&M for details of this model, and thanks to Clair Olivers for a really great suggestion on how to build this based on what he read in the Program Overview). There is salt water intrusion and some more damage to the hand pumps in the three villages but Water For People will help get those systems going again by supporting the private sector and NGO partners in the reconstruction of the systems as needed (not displacing it by doing it themselves). The latrines are still standing, even though the houses are not.

The India team deserves immense credit for this success. As this shows, Water For People does not simply build infrastructure but actually builds support systems that survive and thrive in the worst conditions. This shows why their model of building external support is so critical, as communities need help at times like this. The private sector mechanics are working beyond the villages Water For People has historically supported and as Rajashi said, they are the real heroes here!



Water For People Photo - photo by Wende Valentine

Way Forward:

- The India team is developing a report that explains what happened.
- The report will focus on what they need now and what specifically they need from Denver and what they need but can access in India.

- The focus now will be on helping the local committee's reform - bank books have been washed away, receipts gone, etc. so this will be the focus on replacing these and perhaps learn from this so that alternatives to paper are considered. The country partners and Water For People (as needed) will work with banks as the committees have considerable finances in the bank (some already accessed to make repairs) so Water For People wants to be sure that communities do not lose out when they try to reconcile/rebuild their accounts.
- The loan repayment program will likely halt for a short while as people need to rebuild their houses and lives.
- Our staff and partners decided that these three districts were a priority and so they are not re-allocating finance to other areas while these areas that were hit rebuild. Instead the program is going to continue to work in these affected areas as part of the districts efforts to rebuild! We keep our promises.

So, keep the India team in your thoughts and let us celebrate their tremendous work!

Central America Update

It's no surprise, but our country teams are superstars! At the end of April, Water For People Honduras signed an MOU with UNICEF Latin America to provide \$530,000 over the next two years (\$249,000 in 2009) to scale up our activities in Honduras.

And an additional grant from UNICEF of \$27,800 supported a regional symposium on the SWASH+ program in Nicaragua. And since the beginning of the year, our country teams have leveraged more than \$1.4 million additional dollars from the communities, schools and local governments towards the programs we're supporting! Please join us in congratulating them for their incredible work!

Earthquake in Honduras Update

An earthquake in Honduras was reported by Diana Betancourt, the Water For People regional manager for Central America. Here is a link to the Water For People website for a complete article from the BBC. <http://www.waterforpeople.org/site/News2?id=5625>.

Diana goes on to note that "The earthquake was a terrible experience, but in spite its magnitude, fortunately the country suffered minor damages. Last Friday I requested WFP-Honduras staff to make an evaluation of damages. They are in the field trying to get this information. I was informed yesterday that there are few communities whose systems suffered some damages. I will try to have a report on this at the end of this week."

Malawi Update

Congrats to Kate Harawa (Water For People- Malawi country coordinator) - who gave birth to a daughter on May 22, 2009. Happy birthday to little Rehema Takudzwa Harawa, mom and their whole family.

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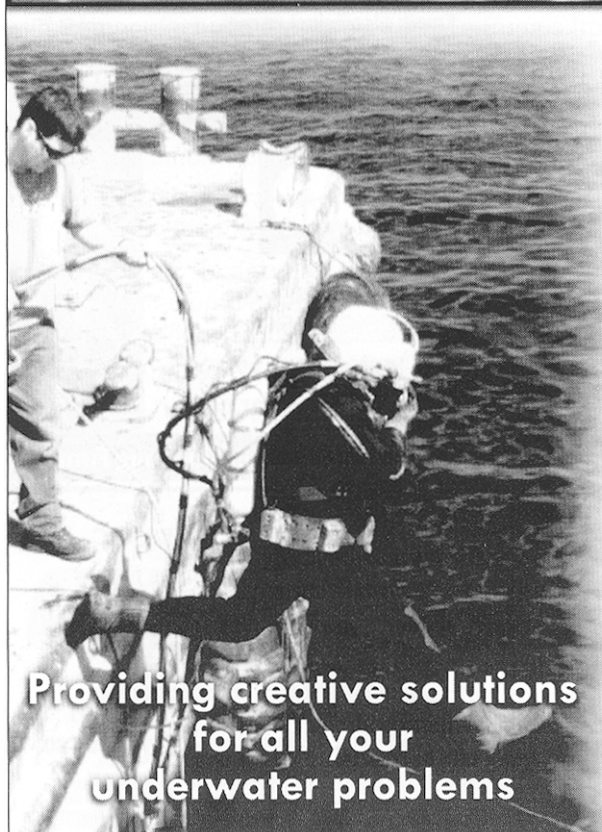
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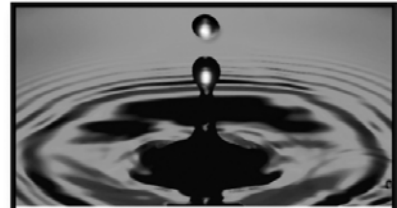


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