Dan Busch
Honorary WWOA Member

43rd Annual W.W.O.A. Conference
October 6 - 9, 2009
The Hotel Sierra - KI Convention Center
Green Bay, WI

HOST:
Green Bay Metropolitan Sewerage District
President’s Message

It is hard to believe that the 2008 conference is already here and gone. It was wonderful to see old friends that I have not seen since last year, and great to see and meet many new operators and vendors.

It is truly an honor to be representing the members of the WWOA as your President. When I was first approached about running for Director, I felt that I would be in way over my head. Coming from such a small plant, what could I possibly have to contribute to this fine organization? After great consideration, and a lot of prompting from some great mentors, I decided to throw my hat in the ring. This is a decision I will never regret.

This year’s conference was a huge success. Bruce Bartel, Technical Chair, and his committee did an outstanding job providing us with an entertaining key-note speaker, great technical sessions and banquet entertainment that was “out of this world”. The success of the WWOA conference would not be possible without the great support of the manufacturers and consultants and all of those who donate their time and talents to provide interesting and informative technical sessions that allow us to be among the best wastewater professionals in the country. The golf outing, sporting clays, spouses program and local arrangements were great ways for a little relaxation while networking with friends and colleagues. Thank you to everyone who had a hand in making this year’s conference among one of the best.

One of the most remarkable things about our organization is that there are always people willing to lend a helping hand. Whether it be someone like Rick Mealy of the DNR who is eager to help people with lab problems and share his expertise in technical sessions, or Dan Busch of Green Bay Metropolitan who takes the time to talk with anyone who has a question or concern and always makes himself and his staff available to help the WWOA and its members. There are countless others who have made great contributions to make this organization what it is today. Our future is in very capable and devoted hands as demonstrated in our newest award, the Newcomer of the Year.

I have been asked how members can get involved. A great place to start is hosting a regional meeting. The planning for our 2009 conference is underway. Perhaps you have a topic that you would be willing to share in a technical session or you could be part of the Operator’s Competition Team. However you decide to be involved, it will be a decision you will never regret.

If you have any suggestions or comments that you would like to share with the Board of Directors, I would appreciate hearing from you. Sometimes it is the smallest suggestions that make the biggest difference.

With the temperatures dropping and snowflakes in the air, it is a sure sign the holidays are not far away. I hope that this holiday season brings you and your family good health and great joy.

John Bond
At the 2008 WWOA Annual Conference in Stevens Point, the WWOA gave out one of its most prestigious honors by presenting an Honorary Membership to Dan Busch. Dan is currently the Director of Operations at the Green Bay Metropolitan Sewerage District.

The WWOA Policy Book states that “An Honorary Member shall be one who has the qualifications of an Active Member and whose practical or scientific knowledge in matters pertaining to the operations of wastewater treatment plants entitle them to special recognition by the Corporation or a person who through their efforts has benefited the Wisconsin Wastewater Operators’ Association, Inc.” Those are pretty powerful words and qualifications to become an Honorary Member, but Dan certainly goes above and beyond these qualifications and well deserves the recognition given to him.

Dan has served as a mentor, or coach as he likes to call it, not only for the employees at the District, but with individuals in Wisconsin and beyond. He will always take time out of his busy daily schedule as needed to help or listen not only to those at GBMSD that call on him, but for people outside of his immediate work environment. There are numerous Presidents of the WWOA that have called on Dan to get his advice when issues or questions arise pertaining to the dealings of the WWOA.

Dan is very well known and well respected in the wastewater industry. Invariably his name will come up in any discussion about the Green Bay Metropolitan Sewerage District. His name will come up no matter
where these discussions take place whether inside or outside the boundaries of Wisconsin. There are always positive and complimentary words that come out when Dan’s name is mentioned.

It took some creative “plant issues” that needed his immediate attention to get Dan out of the Annual WWOA Business Meeting on Thursday afternoon of the conference in order that the general membership could vote as required on his Honorary Member status while keeping the vote a secret until the Awards Banquet. It managed to be pulled off and the Honorary Membership was a surprise to Dan at the banquet. Dan’s family was on hand to share in his receiving of the Honorary Membership.

Honorary Membership is not something that is routinely bestowed by the WWOA. Dan is very well deserving of this special recognition. He joins an elite group of five individuals who have attained the status of an Honorary Membership to the WWOA. The previous five recipients include: Dr. Koby Crabtree, Ward Holz, Leo Templeton, Vern Handrick, and Pete Albers. Adding Dan’s name to this list increases the prestige associated with being an Honorary Member. It is with great honor that the WWOA welcomes Dan into the Honorary Membership group.
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A Message to Advertisers from the Clarifier Editors….

A special THANK YOU to everyone who advertises in the Clarifier. Your contributions help to defray some of the publishing costs.

The beginning of the calendar year is an especially busy time for the Clarifier staff. Nearly half of all of the advertising contracts expire with the December issue. We will be contacting everyone as quickly as we can to confirm your intent to continue advertising.

If you would like to save us some time, we would appreciate it if you could send an e-mail to jon.butt@symbiontonline.com or call 414-755-1149 regarding your plans for advertising. We encourage you to renew your advertising quickly this year.

In addition, we wish to clarify the various advertising options available. We offer full page, 1/2 page column, 1/2 page banner, 1/4 page, and 1/8 page advertising options. The 1/4 page ad would be a half column and have the dimensions of H 4 3/4” by W 3 1/2”. The 1/8 page ad is intended to be a fourth of a column having the dimensions of H 2 3/8” by W 3 1/2”. These options provide us with the best combinations for efficiently using page space to incorporate both articles and ads. There have been some 1/4 page and 1/8 page ads that have deviated from these orientations in the past. We would appreciate it if 1/4 page and 1/8 page advertisers would check the dimensions of your ads to ensure that they comply with the Clarifier standards.

Finally, deadlines have been set for the 2009 Clarifier issues. The Deadlines are as follows:

Feb 2009 deadline is January 9
April 2009 deadline is March 6
June 2009 deadline is May 8
September 2009 deadline is July 31
December 2009 deadline is November 6

Thank you again for your continued support. Please contact us if you have any questions.
In Memory Of

Carl J. Michels, P.E., D.E.E.

Carl J. Michels, P.E., D.E.E., died peacefully surrounded by family on May 10, 2008 at the age of 69. He attended the University of Wisconsin at Platteville where he earned a bachelor’s degree in civil engineering. He also earned a master’s degree in environmental engineering from the University of Notre Dame. In 1971, Michels moved to Sheboygan, Wisconsin, to work for Donohue & Associates, Inc., (now Earth Tech). There he was involved with water and wastewater treatment projects throughout the Midwest. Some of his ventures, as senior project manager, included Heart of the Valley, the City of Oconomowoc and the City of Medford.

Carl always had a special relationship with his clients built on trust, professionalism and responsiveness. He was their advocate who listened, met their needs and was truly their friend for life. His projects received state and national awards for engineering excellence. After retiring from Earth Tech, Carl began Michels Engineering to continue serving his long-term clients.

Carl was a registered professional engineer in four states and was actively involved in many professional associations. He coordinated and participated in industry conferences and published articles in several engineering publications. An avid hunter and fisherman, he was also an advocate of preserving natural resources. Carl’s love for his profession was balanced by his love for his family. He is survived by four children, seven grandchildren, and numerous friends and family members. Memorial donations can be made to a fund established in his name at the American Lung Association of Wisconsin, 13100 W. Lisbon Road, Suite 700, Brookfield, Wisconsin, 53005-2508.

Bernard “Rudy” J. Wopat


He was born Oct. 21, 1943, in Hillsboro to Adolph and Ella (Sebranek) Wopat. Rudy was a 1962 graduate of Royal High School in Elroy. He was a Vietnam veteran, serving with the U.S. Navy on active duty for four years. Rudy then served an additional 24 years in the Naval Reserves. On May 29, 1971, he married Julianne Helgeson in Genoa. Rudy was employed in maintenance for the Village of Stoddard for over 30 years, retiring in 2005. He was a member and past commander of American Legion Post 315 in Stoddard and a member of the 40/8. Rudy also was a member of Thomas Rooney VFW Post 1530 of La Crosse, a retired member of the Stoddard Volunteer Fire Department and a honorary retired member of the International Brotherhood of Teamsters.

Survivors include his wife, Julianne of Stoddard; one son, Brian (Christy) Wopat of Onalaska; one daughter, Jennifer (Sven) Hunt of San Diego; three granddaughters, Whitly, Kiley and Alexy Hunt; his granddog, Louis; one brother, Bob (Ruth) Wopat of Phoenix; one sister, Marvalene (Virgil) Schroeder of Sun Prairie, Wis.; his mother-in-law, Dorothy Helgeson of Stoddard; and nieces and nephews.

Funeral services will be at 11 a.m. Thursday, Nov. 6, at Woodruff-Jandt Funeral Home, 4239 Mormon Coulee Road, La Crosse. The Rev. Don Iliff will officiate. Entombment will be in Gardens of Peace Mausoleum at Mormon Coulee Memorial Park Cemetery with military honors by the American Legion Post 315 of Stoddard, VFW Post 1530 of La Crosse and the U.S. Navy Funeral Honor Guard. Friends may call at the funeral home on Wednesday from 6 to 8 p.m. and on Thursday from 10 a.m. until time of services.
In Memory of

Thomas E. Vik, P.E., BCEE

Our friend, a great engineer and one of the best men we ever knew, Tom Vik, passed away on Sunday, November 16, 2008, at the age of 57.

Tom was, as many of you know, an innovator, a relentless achiever and known literally around the world as one of the very best minds in the field of wastewater engineering. He was simply the best. He will be tremendously missed not only by his co-workers at McMahon, but also by his entire field of engineering that knew him well.

Tom Vik received his Bachelor of Science Degree in Environmental Engineering from the University of Wisconsin – Milwaukee in 1973. He worked as a construction engineer in the United States Army Reserves, and as a project engineer for a number of consulting firms; including Greeley & Hansen, Donohue & Associates, and Camp Dresser & McKee. For the past 28 years, he was a Vice President at McMahon in Neenah, Wisconsin, and the leader of the firm’s wastewater process engineering group.

Tom was a registered Professional Engineer in Wisconsin and eight other states. Throughout his career, he was active in numerous professional associations. His affiliations included the American Academy of Environmental Engineers, Water Environment Federation, Central States Water Environment Association, Wisconsin Wastewater Operators’ Association, Indiana Water Pollution Association, and the Wisconsin Paper Council.

Tom was a member of the American Academy of Environmental Engineers (AAEE) since 1991 as a Diplomat / Board Certified Environmental Engineer, and served as the organization’s State representative for Wisconsin.

Tom was an innovator, honored with numerous awards and accolades, including two Environmental Design Excellence Awards by the American Academy of Environmental Engineers. The Excellence Awards were received for projects at the Grand Chute – Menasha West Wastewater Treatment Facility in 1996 and Sturgeon Bay Wastewater Treatment Facility in 1998. He was also a 4-time recipient of the CSWEA Radebaugh Award for Best Technical Paper, and received an Award for Energy Innovation from the U.S. Department of Energy. Tom shared a US Patent on a process and system for enhanced nitrogen removal in a wetland and recirculating sand filter wastewater treatment system.

In addition to being an outstanding engineer, Tom was a great man. Tom and his wife, Pat were married for 35 years and together have three children and three grandchildren. In his free time, he loved to golf and spend time with his loving family, especially at his cabin on Kelly Lake. He loved cheering on the Badgers and the Packers. He was also strong in his faith, viewing his own life as a success because he was a man of God. His mission work was very important to him.

Tom’s friends, family and colleagues all remember him as a totally unselfish individual who thought of others’ well being before his own. Tom will have a great legacy as a man, husband, father, friend…and engineer.
CMOM Photos Needed  
_from Jack Saltes, DNR_

The Department of Natural Resources is currently working on a CMOM Booklet under an EPA grant and plan to include quite a number of photos in it. We would like, of course, the photos to be from our own Wisconsin communities. We’ll be working on the booklet over the next several months.

We’d like many of the photos to include people in them (you!) performing collection system tasks. If any of you have high resolution collection system photos in your community of you or contractors performing sewer system tasks such as sewer cleaning, televising, flow monitoring, smoke testing, sewer repairs, sewer construction, cleaning grease traps, manhole inspections, liner or cure-in-place installations, private lateral inspections/repairs, etc., could you please send them to me (jack.saltes@wisconsin.gov) or P.O. Box 7921, Madison, WI 53707 with permission to use them in the booklet.

Thank you very much for helping with any photos you may have. I am very pleased with the development of this booklet and think it will be very informational and useful for our smaller communities as it pertains to CMOM. Thanks again for helping make this booklet a success.

FREE ITEMS

The Green Bay Metropolitan Sewerage District has the following items to give away:

- Four newer style meters (Orbisphere model # 29092) and two of the older style (Orbisphere model # 26071)
- Seven D.O. probes related to both meter models. All probes are in need of a factory rebuild

Please contact Mike Kersten at (920) 339-4094.
Clarifier Brain Teasers Dec. 2008

CATEGORY: GENERAL

Introductory Level

During a wet weather event, the groundwater rises substantially and seeps into cracks and crevices in sewers, increasing the flow rate to the wastewater plant. The term used to describe this additional flow is:

a. inflow
b. infiltration
c. exfiltration
d. extrapolation

Advanced Level

Operator John is eyeing a new piece of biosolids stabilization equipment for his facility, and he is trying to convince his Sewer Commission that this is a worthwhile purchase. The new equipment costs with engineering and installation are estimated to be $1,200,000 and a neighboring town will purchase his old equipment for $100,000. His chemical costs with the old equipment were $7,000 per year, and will decrease by 20% with the new equipment. The energy costs for the new equipment are estimated to be 10% lower than his old, which were $15,000. John estimates that he will be able to sell all of the Class A biosolids produced to local golf courses for $50.00 per dry ton. Last year John produced 800 wet tons of 10% TS biosolids, and the new equipment promises to produce a product that is 90% TS. Since the golf course will be doing all the hauling, he will also save on his hauling costs, which were $100.00 per ton of the 10% wet product. John has talked his brother-in-law, the president of the local bank, into an interest-free loan. If all estimates are true and his biosolids production stays the same, about how many years will it take to pay off the new equipment?

a. 8 years
b. 13 years
c. 25 years
d. 39 years

Answers will be printed in the February 2009 issue.

ACTIVATED SLUDGE (SUBCLASS C)

Updating Operator Certification

Study Guide and Exam

From Jack Saltes, DNR

The Wisconsin Department of Natural Resources will be forming a workgroup in January 2009 to review and rewrite the objectives, key knowledge and Q & A for the Activated Sludge certification exam. We’re seeking interested and knowledgeable operators who work with activated sludge treatment systems to work with us on this update. Candidates should have a strong knowledge of activated sludge operations and system O & M requirements. The workgroup will meet once a month for a year. Participation will help ensure a practical, well-written and technically sound certification study guide and exam. Workgroup members will find this a very educational and rewarding experience.

Please contact Jack Saltes, WDNR-Madison by telephone at (608) 264-6045 or by e-mail at jack.saltes@wisconsin.gov by January 16, 2009 if you are interested.
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Process Equipment Repair Services, Inc.
Dan Manier opened the meeting with 33 people in attendance. Business meeting started with a sad note that Dwight Mosley from Tomah passed away. His funeral was held on August 7. The West Central District sent flowers.

The upcoming year board seats are as follows:
President – Steve Skinner
Vice President – Paul Sterk
Secretary/Treasurer – Rick Weikel

We have started looking for meeting locations for next year. Sam Warp Jr. from Ellsworth signed on to hold the summer meeting. Still looking to fill the spring & fall locations.

The first speaker of the day was Kevin Ragen with Engineering America, Inc. Engineering America is a specialty contractor dealing mainly with water storage tanks. The company has different divisions: municipal, construction, and industrial. Types of tank styles they work with are concrete, field welded steel, epoxy-coated and glass fused to steel. Kevin went on to explain the advantages & disadvantages of each style of storage. He also talked about the types of places the tanks are used and the life cycle costs of each style.

Chris Groh with Wisconsin Rural Water Association was the second speaker. Chris discussed the new requirements and compliance issues with NR149. He went over the major changes and new terms. Chris talked about quality manuals, SOP’s, record keeping, support equipment, calibration changes, traceability, and sample handling. Helpful bench sheets can be found at the DNR website under Laboratory Toolbox.

The third speaker was Steve Thon with the DNR. Steve went over inflow and infiltration projects that were performed in the towns of Boyd & Elk Mound. The problems that needed addressing were wet basements and extreme flow peaks during modest rains. Each community began by looking for the problems by performing manhole inspections, televising sewer laterals & mains, flow test/smoke testing lines, basement surveys and landscaping poor drainage areas. There were two primary sources causing problems; manhole infiltration and basement infiltration being pumped into the sanitary sewer. To solve this problem there were two audiences that needed to be addressed about the problem and educated about solutions. They were the elected officials and community homeowners. The plan of action involved the aid of the city officials to get the work done and educating the homeowners on fixing runoff problems. Homeowners’ efforts resulted in dried basements and lessoned sewer
flows during modest rains. Basements became livable again. There is also improved public safety and health through these improvements.

Jim Miller from Bonestroo spoke on the basic control strategies of a wastewater plant. He went through what needs control and the types of process in a wastewater plant. He discussed what effect controlling each process has on a wastewater treatment plant. Even though one plant acts one way to a certain adjustment in the treatment process doesn’t mean all plants will react the same way. This is due to the different variables each plant has.

Mike Oldsberg from Fremont Industries gave a presentation on sludge dewatering and polymer selection. Mike described factors which affect polymer selection and usage. Parameters that influence the dewatering abilities of the sludge. There are several types of dewatering equipment such as gravity belt thickeners, thickening drums, centrifuge and belt filters. The presentation helped to inform about the types of polymers that aid in dewatering. The goal being to optimize dewatering through correct polymer and polymer feed rate.

President Steve Skinner

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<td>2009 - Hotel Sierra &amp; KI Center, Green Bay</td>
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<td>2010 - Kalahari Resort, WI Dells</td>
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<td>2011 - La Crosse Civic Center</td>
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Translated from French, Belleville literally means “beautiful village,” and folks these days seem to think the name fits. Belleville’s high quality of living and authentic small town atmosphere is attracting additional residents and businesses. The new wastewater treatment plant is designed to grow as the community grows. Now, folks around here can rest easy—and play a little harder. Laissez les bon temps rouler!*

*Let the good times roll!
President Thalke called the meeting to order at 12:20 p.m. Roll call was taken. All Officers and Directors were present. Approximately 298 members were present.

President Thalke asked Jim Miller, Secretary and Pat Meyer, President of the Minnesota Wastewater Operators Association to stand up and be recognized. President Thalke asked for a moment of silence for all the members who have passed away in the past year. Minutes of the October 25, 2007 meeting were presented for approval. A motion was made by John Leonhard, seconded by Dean Falkner to dispense with the reading of the minutes and to approve the minutes as written and published. Motion Carried.

Executive Secretary McKee distributed copies of the Financial Report. McKee reminded the membership this is an un-audited statement. McKee reported the revenue for this fiscal year ending August 31, 2008 is $160,897.05. Expenditures totaled $178,698.93, with excess expenditure over revenue of $17,801.88.

A motion was made by Randy Herwig to approve the Financial Statement as presented. LaMont Albers seconded the Motion. Motion Carried.

President Thalke informed the membership in attendance we have two Director positions open. Kay Curtin, Nomination Chair placed into nomination the names of Randy Thater and Kevin Freber for the positions of Director. President Thalke called three times for nominations from the floor. There being none, Forest Parry made a motion the nomination be closed and a unanimous ballot be cast electing Randy Thater and Kevin Freber to the Directorships. Paul Lang seconded the motion. Motion Carried.

COMMITTEE REPORTS

TECHNICAL PROGRAM - Bruce Bartel thanked Kim Halverson and Eric Niffenegger for all the work they did on the Local Arrangements, Golf Outing, and Spouses Program. Bartel stated that there were 35 spouses attending the spouse program and 96 golfers. Bruce Bartel thanked the Technical Committee for all their hard work. Technical Committee: Chair Bruce Bartel, Kay Curtin, Troy Larson, Ron Austreng, Richard McKee, Randy Thater, Wade Peterson, Brian Helminger, Reid Snedaker, Rick Mealy, Dale Doerr, Tom Crouse, John Bond, Dave Carlson, Harlan Mueller, Camille Johnson, Gil Hantzsch, Dennis Egge, Gary Hanson and Jim Thalke.

Nominations Chairperson, Kay Curtin announced that she has one nomination for the office of President-Elect, Bruce Bartel. President Thalke called three times for nominations from the floor. There being none, John Leonhard made a motion the nomination be closed and unanimous ballot be cast electing Bruce Bartel to the office of President-Elect. Dean Falkner seconded the motion. The motion carried.

Kay Curtin placed into nomination the name of David Carlson for Vice President. President Thalke called three times for nominations from the floor. There being none, John Leonhard made a motion the nomination be closed and unanimous ballot be cast electing David Carlson to the office of Vice President. Dean Falkner seconded the motion. The motion carried.
Bartel also thanked the Exhibit and M&C Committee for their help. Bartel thanked Troy Larson and Strand & Associates for the signage. The Committee Chair, Carol Strackbein; Jim Shaw; Dave Dorner, The Dorner Company; and Tom Mulcahy, Mulcahy/Shaw Water Inc.

LIAISON – Dennis Egge reported that the Biosolids will be held on March 10, 2009 at the Stevens Point Holiday Inn Hotel and Convention Center in Stevens Point. Egge informed the membership that the Collection System seminar will be held in two locations as it was this year. Watertown and Marshfield will be the two locations again next year.

REGIONAL COORDINATOR – Randy Thater stated that he has had the opportunity to work with all six regions and help them with the regional meeting and communicate between the Board and the Regions.

CAREER DEVELOPMENT – Kay Curtin informed the membership that the committee attends the Guidance Counselor conference to promote our industry. Curtin reminded the membership that there are library materials for wastewater study available through the UW Water Resources Library. The materials are provided by WWOA and Wisconsin Section. We will be adding to the library on a regular basis.

TRAINING COMMITTEE – Dave Carlson reported that the WWOA sponsored 4 “NR-149 Lab Certification Revisions” classes this summer. They were all well attended. The UW also sponsored a soils seminar at the extension site in Verona.


Each participant will receive six credit hours for participating.

**NEW BUSINESS** – Bruce Bartel got Dan Busch out of the room so the membership can discuss an Honorary Membership for Dan to be presented at the Banquet. A brief discussion and explanation ensued. Randy Herwig made a motion to present Dan Busch with an Honorary Membership, seconded by Jon Butt. Motion carried.

**RESOLUTIONS & BY-LAWS** – John Leonhard, Chair of the Resolutions & By-Laws Committee informed the membership the Board would like to change the fiscal year from Sept. 1 to Aug. 31, to the calendar year beginning Jan. 1 of each year to Dec. 31 of each year. Leonhard stated that this would require a By-Laws change and action from the membership at this meeting. Leonhard explained why the change is needed. After discussion Dale Doerr made a motion to change our fiscal year to the calendar year (January 1 of each year to December 31 of each year), seconded by Wade Peterson. Motion Carried.

**Other New Business** – Randy Herwig suggested the Board consider adding short training sessions presented by vendors to the technical program for the next conference. The suggestion will be referred to the Technical Program Committee for consideration.

There being no further business for the membership, LaMont Albers made a motion to adjourn, seconded by John Leonhard. Motion Carried. Meeting adjourned at 12:55 p.m.

Respectfully submitted,

Richard D. McKee
Executive Secretary
Single-use applications range from storm water run-off storage, equalization and trickling filters to sludge digestion and sludge storage/mixing. Suitable for total system applications, AQUASTORE tanks are used in Sequential Batch Reactor (SBR) systems, package treatment plants, anaerobic sludge digestion systems and conventional large volume treatment.

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**Richard McKee**

**Scott Thompson**

**Jonathan Butt**

**Executive Secretary**

**Web Master**

**Clarifier Editor**
# WWOA Regional Officers 2009

<table>
<thead>
<tr>
<th>Region</th>
<th>Chair</th>
<th>Vice Chair</th>
<th>Secretary/Treasurer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lake Michigan</td>
<td>John Schoen Seymour WWTP</td>
<td>Brad Rokus Clintonville WWTP</td>
<td>George Kemmeter Dornier Company</td>
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<td>305 E. 15th St. Clintonville, WI 54929</td>
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</tr>
</tbody>
</table>
# WWOA COMMITTEE CHAIRS
## 2008-2009

<table>
<thead>
<tr>
<th>Committee</th>
<th>Chair</th>
<th>Phone</th>
<th>e-mail Address</th>
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</thead>
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Our pumps do a lot of heavy lifting. They have to. The demands for environmentally friendly solutions to water and wastewater management are getting heavier.

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October 27, 2008

Dear Fellow WWOA Member:

The WWOA Technical Program Committee is requesting your assistance in developing the Technical Program for our 43rd Annual Conference to be held October 6 - 9, 2009. The Hotel Sierra – KI Convention Center in Green Bay, WI will be our conference site.

Technical papers are being solicited at this time for the Technical Program. The Committee is especially encouraging members actively involved in the day-to-day operations of a wastewater facility to prepare and present technical papers at the Conference. The following are major subject areas that presentations may cover. Papers dealing with other topics will also receive consideration by the Committee.

1. Activated Sludge
2. Biosolids Handling
3. Nutrient Removal
4. Process Control and Automation
5. Design Concepts and Implementation
6. Staff Training and Development
7. Utility Management Skills
8. Computerization & Internet
9. Industrial Waste Issues
10. Maintenance Practices & Methods
11. Safety & Health Issues, Personnel & Process
12. Regulations, Watershed Issues
13. Laboratory Practices
14. Plant / Process Upgrades
15. Utility Benchmarking
16. Receiving Water Quality Issues
17. Collection System O&M / Programs Management
18. Operator Ingenuity and Everyday Problem Solving

Submit your outline(s) on the 2009 Conference Submittal Form (via mail or fax) by January 8, 2009 to:

David R. Carlson
Fond du Lac WPCF
700 Doty St.
Fond du Lac, WI 54935
Phone: 920-322-3664
Fax: 920-322-3661
Email: dcarlson@ci.fond-du-lac.wi.us

Please consider responding to this request or forwarding it on to someone who may be interested in participating. The strength of the WWOA is in the sharing of ideas and information. The success of this organization is dependent upon you the individual member. Please consider making a difference!

Sincerely,

David R. Carlson
2009 Technical Program Committee Chair
Technical Presentation Subject____________________________________________________

Author(s) / Presenter(s)__________________________________________________________

Employer / Affiliation___________________________________________________________

Address_______________________________________________________________________

Email Address______________________ Phone #_________________ Fax#_______________

Author is actively involved in the day-to-day operation of a WWTP? Yes________ No________

Author is an active member of WWOA? Yes________ No________

Brief Description of Presentation (please type or print clearly; continue on back or attach additional pages if necessary):

Submit your outline(s) on the 2009 Conference Submittal Form (via mail or fax) by January 8, 2009 to:

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700 Doty St.  
Fond du Lac, WI 54935  
Phone: 920-322-3664  Fax: 920-322-3661  
Email: dcarlson@ci.fond-du-lac.wi.us
**WWOA Sporting Clays**

**First Place**

(L to R) Jim Mertens, Jeff Hoeper, Troy Hatlestad, & Matt Giese

**Second Place**

Tom Stebbins, Jim Riege, Jim Larson, & Bucky Walters (not in order)

**Top Gun**

Bucky Walters

---

**WWOA Spouse/Guest Program**

Luncheon at Sentry World

Tour of Herrschners Craft Outlet

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2008 WWOA AWARDS

HONORARY AWARD
Presenter (left) Bruce Bartel; Recipient (right) Dan Busch, Green Bay MSD

BERNAUER AWARD
Presenter (left) John Leonhard; Recipient (right) Dan Landis, Milwaukee MSD

KOBY CRABTREE AWARD
Presenter (left) Randy Thater; Recipient (right) Rick Mealy, WDNR

SERVICE AWARD
Presenting (left) Kay Curtin; Recipient (right) Judy Tholen

REGION OF THE YEAR AWARD
Lake Michigan District, accepting are Brian Helminger (left) and John Schoen (right)
NEWCOMER AWARD

Steve Skinner, New Richmond

MEMBERSHIP AWARD

Wally Thom, Rich Lake

2008 WWOA BOARD OF DIRECTORS

Front (left to right) Jim Thalke, Dennis Egge, Kevin Freber, Dale Doerr,
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2008 REGIONAL OPERATOR AWARDS

Lake Michigan Region

Presenter (left) John Schoen; Recipient (right) Kevin Skogman, Heart of the Valley MSD

North Central Region

Presenter (left) Rich Boden; Recipient (right) Gus Strehlo, Wausau WWTP

South East Region

Presenter (left) Tim Zimmerman; Recipient (right) Jim Marquardt, Pell Lake

Southern Region

Presenter (left) Kevin Freber; Recipient (right) Jim Sullivan, Town of Sullivan Sewerage District

Northwest Region

Retamarie Seidl of Sparta was the Recipient (Not Pictured)

West Central Region

Pictured on Left

Presenter (left) Jim Hall; Recipient (right) Ben Brooks, Medford WWTP
WWOA OPERATORS COMPETITION

First Place
Lake Michigan Region

Bay Bowl Busters (L to R) - Warren Howard, Matt Schmidt, and Holly Blazer

Second Place
Southern Region

The Deuce is Loose (L to R) - Jeff Wellnitz, Brian Skaife, and Marc Zimmerman

Third Place
Lake Michigan Region

Turd Herders (L to R) - Michael Maske, Jim Gomand, and Mike Jaeger

North Central Region

Certifiable Operators  (L to R) - Lyle Lutz, Chris Lefebvre, and Vern Williams

West Central Region
(Pictured on Right)

Sewer Dogs (L to R) - Greg Imgrund, Sam Warp Jr., and Steve Skinner
Lake Michigan Region - Bay Bowl Busters Win the 2008 Operations Competition

The Lake Michigan Region – “Bay Bowl Busters” take away the First Place Prize in a very close competition with the Southern Region – “The Deuce is Loose”. “The Bay Bowl Busters” recorded two first place finishes in the Laboratory Event and the Safety Event, while the “The Deuce is Loose” recorded two first place finishes in the Process Control Event and the Collection System event. Both teams also recorded two second place finishes. The competition was decided when the “Bay Bowl Busters” recorded a third place finish in the Mechanical Event, while “The Deuce is Loose” recorded a fourth Place Finish in the Safety Event. While the Lake Michigan Region – “Turd Herders” took away third place in the Competition, all of the challenge teams did an incredible job as time difference for each individual event was determined by a matter of seconds.

There were a total of five teams from four regions, with the Lake Michigan Region fielding two teams in the Competition.

Lake Michigan Region – “Bay Bowl Busters”
Matt Schmidt and Holly Blazer from GBMSD and Warren Howard from Marinette

Southern Region – “The Deuce is Loose”
Brian Skaif, Jeff Wellnitz and Mark Zimmerman from Janesville

Lake Michigan Region – “Turd Herders”
Mike Jaeger from Manitowoc, Jim Gomand from GBMSD and Michael Maske from Marinette

North Central Region – “Certifiable Operators”
Chris Lefebvre from Stevens Point, Lyle Lutz from Amherst and Vern Williams from Rib Mountain

West Central Region – “Sewer Dogs”
Sam Warp Jr. from Ellsworth, Greg Imgrund from West Salem and Steve Skinner from New Richmond

The Judges for the events included:

Safety Event - Gordy Koch, Peter Wachs and Jeff Duda
Maintenance Event - Ron Hicks, Scott Stebnitz, Pat Linssen and Brent Bailey
Laboratory Event - All Zengler, Ron Austreng and Jeff Bratz
Process Control Event - Dawn Bartel

Many thanks to the following Vendors and Manufacturers that supplied equipment for the challenge events: Mulcahy Shaw Water, Vorphal Fire & Safety Inc., J.F Ahern Company, RDM Municipal Supply and Service Inc., Vogelsang, USA, and North Central Labs of Wisconsin. Without the help of these companies, the Operations Challenge could not succeed.

Respectfully submitted,

Dale L. Doerr
Operations Committee Chair
WWOA OPERATORS COMPETITION

Bay Bowl Busters Competing in Maintenance Event

The Deuce is Loose Competing in Collection System Event

Turd Herders Competing in Laboratory Event

Certifiable Operators Competing in Safety Event

Sewer Dogs Competing in Process Control Event

Awards Banquet
PAST WWOA AWARD RECIPIENTS

HONORARY AWARD

Front Ward Holtz; Back (left to right) Leo Templeton, Dan Busch, Pete Albers

BERNAUER AWARD

Front (left to right) Dan Landis, Dan Busch, Leo Templeton; Back (left to right) Pete Albers, Dean Falkner, Wally Thom, John Leonhard

KOBY CRABTREE AWARD

(left to right) Ken Sedmak, Roy Lembcke, Rick Mealy, Dan Busch, Paul Lange

PRESIDENTS

Front (left to right) Dale Neis, Kay Curtin, Dan Busch, Carol Strackbein, Leo Templeton, Tom Kruzick, Joe Gehin; Back (left to right) Pete Albers, John Leonhard, Gary Hanson, Jim Krueger, Rich Boden, Judy Tholen, Randy Herwig, Wally Thom, Tim Nenning, Dean Falkner

SERVICE AWARD

Front (left to right) Jeff Haack, Dale Neis, Judy Tholen, Georgia Paul, Carol Strackbein, Leo Templeton; Back (left to right) Gary Hanson, Randy Herwig
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KOBY CRABTREE AWARD

By Rick Mealy

I just wanted to take a moment and thank you all, as the leadership of WWOA, for bestowing on me the honor of the Koby Crabtree award. I usually pride myself for being able to manage a few words in just about any situation (as most of you well know), but you managed to leave me both surprised and completely speechless. I think many would say that the latter is a first (and, for some, a welcome one)! I hope my musings about the feelings that the butterflies crashing about inside me upon being named did not reflect poorly on the ceremony.

Now that I’ve finally had the opportunity to compose myself, I want to let you and the entire WWOA membership know how much this award means to me. It is particularly valuable to me to be recognized by the people in the regulated community. It makes my job worth doing to know that I can help others. To me, that means that we’ve done a pretty darn good job as regulators, in what can be a difficult relationship to nurture.

Sadly, I never had the chance to meet Dr. Crabtree, yet I feel that I know him well. I continually hear stories of how he helped various operators and other industry people in their efforts. I, too, had some awesome mentors over the years. One in particular, I will always remember. Being “raised” on inorganic chemistry, I badgered him to teach me the details of organic analytical chemistry instrumentation and theory. He agreed to do so...but on the condition that I in turn agreed to pass on what I learned from him to others. That is the spirit of Dr. Crabtree, and I have tried over the course of the time to honor my commitment and follow that same path.

Knowledge is truly an enabling power. Some tightly cling to knowledge, sharing none of it, perhaps for fear that it will make them less valuable. Perhaps, out of insecurity, they see sharing knowledge as meaning that their glass is now half-empty. I’ve tried to embrace the philosophy that sharing knowledge is the better of two choices. For me, it means that all of our glasses are now half-full. Subsequently, I’ve tried to pass on what I’ve learned with others to “share the wealth”. That, I believe, was Dr. Crabtree’s way, and remains his legacy. Again, I am honored to be considered in the same class as Dr. Crabtree.

Thank you, for an honor that means more to me than I can ever describe in words.

WWOA Directory Needs Your Help

It has come to our attention that the accuracy of the municipal treatment plant listings in the directory needs attention. To address this concern the WWOA has recently performed a mass mailing to all the municipal treatment facilities in its data base. This mailing contains a survey and questionnaire to gather information to be used to update the data base. The purpose of this survey is to identify personnel and equipment changes at over 600 municipal treatment plants across Wisconsin.

Process upgrades and personnel changes across the state can happen rapidly. An updated and accurate membership directory is a valuable tool and asset to you and our membership. All current municipal facilities listed in the directory should receive a mailing. Please be on the watch for it as it will arrive at the address of record.

Upon receipt and completion, return it to the WWOA via the self address stamped envelope. If you are the Operator in Charge and have not received a survey, please contact Tom Kruzick at William/Reid LTD, 262-255-5420 (tom@williamreidltd.com) or WWOA Executive Secretary Richard McKee (rdmckee@wwoa.org).

When the municipal data base upgrade is complete, a second mailing will take place in the spring to address the nearly 200 private and industrial treatment facilities.
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The Operators’ ride was held from the evening of July 27 through July 29. Mike (Mork) Capion and his wife, Caroline, were the sponsoring couple. Festivities began with the annual cookout/reunion at their house in Green Bay.

Friday morning the group left the motel bright and early following our fearless leader, Mork, on a generally northerly route that took us through Suamico, Brookside and several little towns too small to have names, then making a loop around and back into Coleman. The group then skidaddled in a south and westerly direction, winding our way through Gillett, Pulcifer, and then heading easterly eventually ending up just outside of Suamico, at a place on a small river with the puzzling name of Wouters’ Front! No one could quite figure out just what it was a “front” for, but it was a unique and folksy inside. This helped make up for the fact that despite Mork having told them there would be between 40 and 45 people in the group, they had chosen to staff the place with all of one bartender and one waitress! Eventually another retired old gent who had the personality of a grizzly bear helped out to some extent. After supper on their own, about half of the group congregated around the pool or on the patio for an evening of conversation and congeniality.

Saturday morning around 9:00 a.m. we headed in a more westerly direction toward Clintonville before turning north and cruising through the outskirts of Embarrass, then winding through the Clover-Leaf Lakes area, back through Embarrass, then into the north side of Clintonville for a gas and refreshment stop. Leaving there, the group headed north for a loop through Pella and Caroline, then Marion and west to the area of Big Falls and back to Clintonville, where all stopped at a place called The Bear’s Den for lunch.

Eventually everyone was served and we hit the road again. Heading north of Clintonville we picked up route 156 and proceeded on a fairly direct route back to the motel, arriving there mid-afternoon. This gave all who wanted plenty of time to enjoy the pool, catch a nap, or do whatever.

About 6:00 p.m. people began gathering for the closing banquet; a very good meal of chicken, ham, roast beef and the trimmings. After the meal Reid made his annual “Reidy” award presentations, which were followed by the usual joke-telling session. During these presentations Reid made two announcements: He is contemplating running for elected office in a few years. We wish him well if he decides to seriously pursue this. Second, in a move which may doom the future of the Operators’ Ride, he announced who the host couple is going to be for next year. While we won’t divulge who he chose here, in order to not discourage too many from coming next year, we ask everyone interested to keep a positive attitude toward the whole thing and hope it may turn out alright after all. In closing, it was agreed that Mork and his wife did an excellent job of planning this year’s ride, especially the choice of routes, scenic quality of the areas ridden, and the relaxed pace with which things were handled. And difficulties encountered were certainly in areas over which they had no control. So if anyone sees them, please be sure to compliment them on a job well done and let’s look forward to another good time in 2009!

Submitted by the Waupaca Whirlwind
Driving the Mercury Down Are you Ready?

The State of Wisconsin will soon be requiring all waste water discharge permit holders to utilize method 1631E for the analysis of Mercury, often referred to as “Low Level Mercury” testing. If you have yet to find a lab that can support these new testing demands, see why TestAmerica has your answers to this and many more of your daily needs.

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2007 Customer Service Award Winner
TOP TEN LIST FOR ACTIVATED SLUDGE PROCESS CONTROL

An operator of an oxidation ditch, when asked about what process control tests he did at his plant answered, “This plant runs so good it just about runs itself. I don’t need to do any of those tests”. Taken aback at first, then I understood. Kind of like my car runs so good that I don’t need to check or change the oil, use a tire gauge or need a speedometer or fuel gauge. Heck, it runs itself…all I have to do is steer. Well, if you want to steer your treatment plant right into violation, then I guess this might be the approach to process control you would take. But if you want to ensure the car starts and runs smoothly every single day, then here is my top ten list of process controls you should be doing at your activated sludge treatment plant:

10. Sewer Use Ordinance (SUO) - The only way to have some control over what enters your plant is through an up-to-date sewer use ordinance, industrial monitoring program and a FOG control program. The SUO needs to be followed and enforced if necessary.

9. Sight & Smell - Your eyes and nose will serve you well in how well the plant is doing. Just don’t taste the effluent as your final test.

8. D.O./pH/Temperature - Monitoring these simple, yet basic conditions daily ensures your bugs are getting what they need to be comfortable and happy at work.

7. Settleability Test and Sludge Volume Index (SVI) - These tests advise you about the activated sludge quality and settling characteristics. The color, settling rate and quality of the floc is directly related to the health and conditions of the microorganisms. SVI relates the 30-minute settling test volume (ml/l) to the concentration of MLSS (mg/l).

6. Sludge Age or Solids Retention Time (SRT) - Your biomass has to be around long enough in the aeration tanks to treat the wastewater (eat BOD and nutrients). You control sludge age through sludge returning and wasting. Sludge age is inversely related to F:M ratio (as sludge age goes up, F:M goes down and vice versa). Perform this calculation regularly.

5. F:M Ratio - For a healthy population of microorganisms, the amount of food provided (influent BOD) for the biomass in your aeration tanks must
be right for your type of activated sludge plant. So to speak, your bugs must be on a healthy diet and portions. Don’t starve your bugs; don’t over-feed them. You control the F:M ratio through sludge wasting. Perform this calculation regularly.

4. **Return Activated Sludge (RAS) and Concentration** - A critical operational task is to return settled solids in your clarifier back to the aeration tank so the bugs get the oxygen they need. No good can come from keeping too many solids in your clarifiers. Trust me on this. Use your sludge judge to help with you with wasting and return rates. Monitor RAS flow rates (gpd) and measure RAS concentrations (mg/l).

3. **Waste Activated Sludge (WAS) and Concentration** - Wasting is the single most critical operational task activated sludge plant operator does to control the biomass in the plant. You should waste regularly…..daily is best; infrequent batch wasting is the worst. Monitor WAS flow rates (gpd) and measure WAS concentrations (mg/l).

2. **Mixed Liquor Suspended Solids (MLSS or MLVSS)** - You must know the amount of biomass in your plant for proper treatment and the operational process controls discussed above. You control the MLSS or MLVSS level through sludge wasting.

1. **Microscope** - The single, most important, best friend you can have for running your plant. Use your scope at least once a week. You have to be able to “see” the plant (bugs) to know they are healthy and happy. Then you will be too.

Buy yourself and your plant a holiday present this season, like a microscope or a sludge judge or a portable test kit for ammonia, nitrates or orthophosphate. Make a New Year’s resolution to add one (or two) more process control tests to your process control toolbox. And make good on them. After all, the best gift of all for the New Year is a well tuned and running treatment plant.

Happy Holidays!
There were 59 people in attendance at the meeting. We were greeted by Les Grant, Superintendent of the wastewater treatment facility there. Les also introduced John Brown and Paul Gregerson, who are operators there. Les related the sad story about the emptying of Lake Dalton in June. After the breach of the roadway that held back the lake, it took 2 1/2 hours to drain the entire lake into the Wisconsin River. Many homes, businesses, and wastewater utilities were affected by the high flows, not only in Wisconsin Dells but throughout the southern region.

Our first presenter was Aaron Thole and Steve Banas, both from the Henkle/Loctite Corp. Aaron talked to the group about various thread locking, concrete, and anti-slip maintenance products that they have to offer. There was even a hands-on practice; the entire group got to work on how to use Loctite thread locker.

After a break, Ray Grosch from Intellisys spoke to the group about various technologies of IP (Internet Protocol)/ethernet video, wireless, and data uses. Ray explained the various ways that this technology could be used for gathering data plus monitoring and controlling processes, alarms, equipment, laboratories, and for many security uses. Ray then detailed the necessary equipment, cameras, hardware, and software needed to install and utilize a complete system.

Next Bill Oldenburg, Pretreatment Program Coordinator from the Green Bay Metropolitan Sewerage District (GBMSD), spoke about their programs. Most of the waste hauled to the plant comes from holding tanks about 19,000,000 gallons in 2007. About 6 1/2 million gallons came from industrial users last year, which Bill spends the majority of his time on. About 6,000 truckloads of hauled waste were brought to the plant last year. Bill mentioned that every truckload of waste hauled to their plant is sampled. The waste haulers do their own sampling and trip tickets, which documents how much and what they are hauling. Bill showed the results of analyses from some of the samples taken. Bill related how GBMSD calculates costs for the various types of waste brought to the plant. Bill also detailed how Wisconsin Act 347 applies to septage. Bill also talked about the GBMSD local limits for various pollutants. Lastly, Bill described how new sources of waste are handled at GBMSD.

After lunch Kevin Freber conducted his last business meeting of the Southern Region. After approval of both the minutes from the last meeting at Berlin, Wisconsin, and the Treasures Report from Todd Fisher, Kevin solicited nominations for next year’s incoming Secretary. Regional officers serve for three-year terms starting with Secretary for the first year, and then moving to Vice Chair the second year, and then the last year as Chair. The Treasurer’s position is a standing position due to the nature of the financial integrity of the region. Bernie Robertson was the only nomination for secretary. He was approved by the members. Kevin then introduced Joe Zakovec, next year’s Chair and Roy Swanke, Vice Chair for the Southern Region. Kevin then told the group about various upcoming events of interest. The WWOA Annual Conference will be held at Stevens Point from September 30 to October 3, 2008. Kevin mentioned that at the conference there would be elections for Vice President and two Directors this year. Kevin mentioned that the Southern Region would have a team for the operator competition this year. Coming up on February 19, 2009 is the Governmental Affairs Seminar in Madison. This Spring Biosolids Symposium will be held March 10, 2009. Kevin reminded the group about various scholarships and tuition reimbursements that the WWOA has to offer. Please refer to the WWOA.org website for details. Kevin solicited nominations
for various awards to be given out at the annual conference in Stevens Point and to start thinking about nominations for next year’s conference. Kevin acknowledged Dave Huth from Richland Center. Dave filled in for Todd Fisher that day. Kevin also thanked the staff from Chula Vista for the good hospitality and food for the day. Kevin then awarded Les Grant a plaque acknowledging the appreciation of the Southern Region for hosting the meeting there. Presently we are looking for other communities to host meetings for next year. Right now we need somebody to host the February 2009 meeting and the August 2009 meeting. The meeting for May will be held in Janesville. The group then acknowledged Kevin for his fine work over the last three years by a round of applause. After adjournment of the business meeting, door prizes were then drawn. Thanks to our vendors for the many prizes and support with their displays at the meeting.

DNR update: George Osipoff, Basin Engineer from the Wisconsin DNR, commended the group for the hard work done during the unprecedented high flows in June and July. George told the group that the Department is reviewing the over 70 bypasses that happened in this region during that period. George updated the group on various issues. George mentioned due to a retirement in the Department, that presently no action is being taken on permits. You still need to submit them and it will take a while before permits are issued. Starting next year, permitting will be done online. It was also mentioned that operators submitting their continuing education credit slips need to sign the slips and also need to put on their operator certificate number. The next operator certification exams will be held on November 5, 2008; you need to get your application in to the DNR for the exam by October 1. George mentioned that operators can download the application form from the DNR website. There is a newly revised test for introductory laboratory to be given this fall and the new study guide for that test will be available soon for download. The Certified Operator newsletter will be mailed shortly. George then mentioned that the revised lab code NR 149 starts September 1, 2008. If you have any questions about the revised code, contact John Condron at (608) 275-3328. Lastly George acknowledged Bernie Robertson for his election on the Southern Region board. Bernie is the first Southern Region board member from the Wisconsin DNR.
Our next speaker was Tina Sebold from Strand and Associates; her talk was about Industrial Discharges to Treatment Plants. It is the responsibility of treatment plants for any toxic discharges. Tina then related various protection mechanisms to prevent any violations. Pretreatment programs, sewer use ordinances, knowledge of industrial users, and documentation will help in preventing plant upsets and violations. Systems of over five MGD need to have a pretreatment program in place. For categorical industries and systems less than five MGD, Wisconsin DNR regulates those industries. Wisconsin’s regulation NR 211 has more details about pretreatment. Tina recommended using permits for industries as a way to regulate what they discharge, whether or not you have a pretreatment program. Tina suggested keeping elected officials in the loop on various ordinances and regulations. This will help when enforcement needs to take place. Tina talked about the Mercury Green Tier Charter Program and encouraged the members to check out the DNR website for more details.

Our last speaker was Kevin Schubert from MSA Professional Services. Kevin presented about construction sequencing for a recent expansion and update at the Wisconsin Dells/Lake Delton plant. There are various carefully planned out connections and construction sequencing to maintain the flow to the plant and also the plant processes.

Finally the members were given tours at the plant by Kevin, Les, John, and Paul.

Meeting Minutes
The WWOA Lake Michigan and Southern Districts meeting minutes from May 22, 2008 in Berlin and the Lake Michigan District meeting minutes from August 28, 2008 in Kimberly will be published in the February 2009 issue of the Clarifier.
Authors Kenneth Sedmak, Michael Gerbitz, Thomas Asmus, Larry Reinke, and Timothy Stockman received the prestigious Gascoigne Medal from the Water Environment Federation (WEF) during WEF’s 81st Annual Technical Exhibition and Conference in Chicago, IL.

The Gascoigne Medal was established in recognition of George Bradley Gascoigne, a prominent consultant who exhibited a great deal of interest in the operation of wastewater treatment plants. The medal is awarded to the author(s) of an article that presents the solution of an important and complicated operational problem within a full-scale, operating wastewater treatment plant that is appropriately staffed.

The team was recognized for their article, “Best from the Inside Out,” which appeared in the February/March 2007 issue of WEF’s Industrial Wastewater magazine. The article described how the engineering team for the Jennie-O Turkey Store turkey-processing treatment plant (Barron, WI) solved a sludge settling problem by making economically-sound plant modifications to meet stricter effluent criteria. The techniques described in the article could effectively be used by almost all other facilities to develop plant specific, cost effective solutions to plant operation issues. Donohue & Associates and CedarCorp led the planning and design for the new wastewater treatment plant at Jennie-O Turkey Store.

Sedmak and Gerbitz are located in Donohue & Associates’ Sheboygan, WI office; Tom Asmus is currently Operations Manager at Marquette, Michigan’s wastewater treatment plant; Larry Reinke is employed by the Jennie-O Turkey Store in Barron, WI; and Tim Stockman is formerly of CedarCorp in Menomonie, WI, now with Foth.

In Memory of

Retamarie (Reta) C. Seidl, 64, of Sparta (formerly of Black River Falls) passed away Thursday, Nov. 13, 2008 at the Amery Regional Medical Center in Clear Lake. More in the February 2009 issue.

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1. President Thalke called the meeting to order at 10:10 a.m. on Friday, August 15, 2008, at the Holiday Inn in Stevens Point. Roll call was taken. Board members present: J. Thalke, K. Curtin, B. Bartel, W. Peterson, D. Egge, R. Thater, D. Carlson, D. Doerr, and J. Bond.

2. A motion was made by W. Peterson, 2nd by D. Egge, to approve the minutes as presented April 24 & 25, 2008. Motion Carried.

3. McKee presented the Financial Statement for Board review and approval. McKee stated that as of August 15, 2008, the WWOA had revenue of $112,064.90 and $165,096.97 in expenditure with excess expenditure over revenue totaling $53,032.07. McKee explained the reason for the high expenditures is because we are accounting for Conference revenue as they came in rather than holding them until the beginning of the fiscal year of September 1 (per Accountant recommendation). The revenues and expenditures should even out this fiscal year. J. Bond made a motion to accept the financial statement as presented, K. Curtin 2nd the motion. Motion Carried.

McKee presented vouchers 154 to 215 of $43,810.84: a discussion ensued. After discussion R. Thater made a motion to approve the vouchers as presented, 2nd by D. Carlson the motion. Motion Carried.

4. COMMITTEE REPORT

a. NOMINATION - K. Curtin reported that she has one nomination for the office of President Elect and that is Bruce Bartel.

K. Curtin reported that she has one nomination for Vice President and that is Dave Carlson.

K. Curtin reported that she has two nominations for the two directorship and they are Randy Thater and Kevin Freber.

b. AWARDS - J. Bond reported that all regions have an Operator of the year: Southern Region-Jim Sullivan, Lake Michigan-Kevin Skogman, Southeast-James Marquardt, Northwest-Ben Brooks, West Central-Reta Seidl, North Central-Gus Strehlo. All award nominees for the regions met the membership qualification.

J. Bond reported that there are two nominees for the Newcomer of The Year. A discussion ensued. After discussion the board decided to award the Newcomer of the Year to Steve Skinner.

J. Bond reported that there is one person nominee for the George Bernauer, which is Daniel Landis.

J. Bond reported there are two nominees for the Crabtree award. After discussion, the Board approved Rick Mealy for the Crabtree.

J. Bond reported there is one nominee for the Service Award and that person is Judy Tholen.

c. TECHNICAL COMMITTEE - B. Bartel reported that all speakers have been confirmed. Larry McCarren from WFRV-TV will be the Keynote, and Steve Thon from the DNR will be the speaker at the Farewell Breakfast. The abstract information to Gary Hanson from Earth Tech, and Mary Wagner from the DNR for the credit slip. Bartel is putting together the moderator packets. Mayor of Stevens Point, Andrew Halverson will be giving a short welcoming address to the WWOA.

d. CONFERENCE SIGNAGE - D. Carlson reporting for Troy Larson. D. Carlson went through the signage needs for the conference.

e. LOCAL ARRANGEMENTS - K. Halverson reported that all of the tours have been confirmed for the Mead Environmental Area and Stevens Point Wastewater Plant tours.

f. SPOUSE GUEST PROGRAM - The gift bags will contain a coupon book, small box of candy,
information from the convention bureau, and a bottle of special WWOA labeled Point Beer. One of the businesses we were going to tour Entrée Vous has gone out of business, but it has been replaced by a tour of the Land’s End.

g. **GOLF OUTING** - All of the arrangements have been made at Sentry World for the golf outing. McKee executed the contract with Sentry World.

h. **SPORTING CLAYS** - J. Thalke reported that he has sent out a letter requesting sponsorship from vendors for the Sporting Clays. The Sporting Clays will be held at Pine Ridge in Wautoma.

i. **PUBLICITY** - No Report.

j. **EXHIBIT AND M&C** - McKee reported for Strackbein. McKee reported that we have room for 105 booths. The Committee will meet on September 5 to assign the booth.

k. **OPERATORS COMPETITION** - D. Doerr reported that the planning for the Operator’s Competition is nearly complete. There are five events this year: Laboratory Event, Maintenance Event, Collection System Event, Safety Event, and Process Control.

l. **SCHOLARSHIP** - W. Peterson reported that there were five nominees for the two $1000.00 scholarships. After review and discussion, it was determined that only two of the five nominees qualified for the scholarship. $1,000.00 will be awarded to Mark Bratz, sponsor: Jeff Bratz and to Joshua Steffeck, sponsor: Leslie Steffeck.

The committee agreed to review the scholarship criteria at a later date.
m. PROMOTIONAL - D. Carlson reported that there has been no activity on the on-line store. We will have to re-evaluate. D. Carlson will purchase some new items for sale at the conference.

Motion by K. Curtin to accept the Committee reports as presented, B. Bartel 2nd the motion. Motion Carried.

5. OLD BUSINESS - No Old Business.

6. NEW BUSINESS

a. Changing the Fiscal year - McKee reported that he would like to have the fiscal year changed for the organization from September 1 to August 31 of each year to January 1 to December 31 of each year (calendar year). This will allow us to account for each conference within that fiscal year rather than having part of the income and expenses in one fiscal year and part in the next fiscal year.

McKee informed the Board that they will have to approve the change and then it will have to be acted on by the membership at the October business meeting because it would be a bylaws change.

After discussion, J. Bond made a motion to change the fiscal year from September 1 to January 1 and to put it on the agenda for the membership action at the October 2 business meeting, D. Carlson 2nd the motion. Motion Carried.

b. Honorary Membership - A discussion ensued regarding awarding Dan Busch a Honorary Membership for his 15 years as Clarifier editor and the many years of service to the organization.

After discussion, K. Curtin made a motion to bring to the membership at this year’s Business Meeting to award Dan Busch a Honorary Membership, J. Bond 2nd the motion. Motion Carried. B. Bartel Abstained.

There being no further business, W. Peterson made a motion to adjourn, R. Thater 2nd the motion. Motion Carried. Meeting adjourned at 3:10 p.m. Friday, August 15, 2008.

Respectfully Submitted,

Richard McKee
Executive Secretary

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<table>
<thead>
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<th>Hotels</th>
<th>Address</th>
<th>Rate</th>
<th>Distance to KI</th>
</tr>
</thead>
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<tr>
<td>Hotel Sierra (Host Hotel)</td>
<td>333 Main St.</td>
<td>$105.00 and up</td>
<td>Attached to KI</td>
</tr>
<tr>
<td>Days Inn City Centre</td>
<td>406 N. Washington St.</td>
<td>$70.00 and up</td>
<td>Across the street</td>
</tr>
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<td>Holiday Inn City Centre</td>
<td>200 Main St.</td>
<td>$95.00</td>
<td>Across the street</td>
</tr>
<tr>
<td>Quality Inn &amp; Suites</td>
<td>321 S. Washington St</td>
<td>$85.00</td>
<td>6 blocks</td>
</tr>
</tbody>
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1st choice_________________ 2nd choice_________________ 3rd choice_________________ 4th choice_________________

Number of Rooms: ________

Accommodations desired: ________ (Choose from the categories listed below)

S Sgl (1 bed, 1 person)
D Dbl (1 bed, 2 people)
D/D Dbl/Dbl (2 beds, 2 people)
D+ More than Dbl/Dbl (2 beds, 3-4 people)

Do you prefer: Smoking or Non-Smoking (Circle one)

Do you require a handicapped accessible room: Yes No

Arrival Date: ________________ Departure Date: ________________

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Address __________________________________________________________
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Tax Exempt # (certificate must be presented at check-in)_____________
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Credit Card # __________________ Exp. Date: ________________

Only reservations submitted online, via phone or this form will be processed. Rooms will be filled on a first-come, first-served basis. Please do not contact any of these hotels, as the CVB is coordinating all room reservations. Reservations must be made no later than September 7, 2009. If mailing reservation, please send form to: Housing Bureau, P.O. Box 10596, Green Bay, WI 54307-0596. For questions regarding Housing, please e-mail patti@greenbay.com or call (920) 405-1159.
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