



**The Wisconsin Section
Central States
Water Environment Association**

**Wisconsin Section CSWEA
Committee Reports
CSWEA Annual Meeting
May 20, 2009**

Trustee's Report- Kenneth Sedmak

The most recent meeting of the Central States Executive Committee was held on Monday May 19, 2009 at the Lincolnshire Marriott, in Lincolnshire, IL.

Financial Report: Carol Strackbein reported total liabilities and equity of \$186,128.74 as of May 1, 2009. This is \$29,763.19 less than the same date in 2008.

2009 Year End Fiscal Report - Eric Lecuyer reported a net loss for the year of \$29,763 due to reduction in reserves by the sections. Eric reported that the association is in good financial condition.

WEF Director Report: WEF want to work closely with the MA's in every way to provide service and improve cooperation.

WEFMAX 09: Several members attended the conference. WEF is promoting increased cooperation with the member associations in every way.

2009 WEF Specialty Conferences

June 28 - July 1 -Nutrient Removal Conference

July 26-29 - Micro-constituents and Industrial Water Quality Conference,
Baltimore, MD

August 9-12 - TMDL 2009

September 13-16 - 24th Annual Water Reuse Symposium

State Trustee Reports:

Minnesota:

Patti Craddock reported as follows:

- Treasurer's report shows the section healthy at \$31,595.84.
- Conference on the environment and Innovative conference provided revenue
- Sun Opta received Central States Industrial Award
- Megan Miller won the SJWP and will be traveling to Anchorage.
- Children's Water Festival was attended to present Flush, A Wastewater Story, Water Sourcebook CD and WWMD CD.
- WIL "Liquid Assets" initiative is on-going for a television production.
- WWMD 30 kits distributed
- U of MN's Engineers Without Borders (EWB) project "Water Supply for Hope Integrated Academy" Mulobere, Uganda will present at WEFTEC in Humanitarian category and present at CSWEA Annual conference.

Illinois:

Sue Baert reported the following highlights:

- Section holds an account balance of \$14,569.06.
- Collection System Seminar June 11, Dekalb
- Laboratory Seminar June 18, Downer's Grove
- ABC maintenance certification is moving forward
- WWMD and Water is Life programs are continuing.

PWO Representative Report: Howard Jacobson reported that he expects two teams to represent CSWEA at WEFTEC 09 in Orlando. Rick Ashling and Jim Miller will again coach the teams. They will use Madison MSD as a training center and Paul and Monty Baker will assist with training.

YP Representative Report: Rachel Lee reported the following:

- At the Education Seminar Speaker's reception 10-15 S&YP members attended
- Rachel Lee and Trevor Ghylin attended the WEFMAX meeting in Las Vegas. Trevor will report on the meeting.
- There needs to be better coordination of the YP event at the annual meeting.

Committee and Activity Reports

Education Seminar: Beth Vogt reported:

The seminar was held April 7, 2009 at the Monona Terrace in Madison with a focus on Nutrient Removal. It was an excellent seminar with great technical information. The attendance was down to 153. This may have been due to the economy or late notice of the seminar. Final cost evaluation is still pending. Next year the seminar will be at Monona Terrace on April 6, 2010 and the topic will be Biosolids.

Student Committee: Beth Vogt reported:

No student papers this year. Need to refocus this effort. There were three teams at the Student Design Competition in Madison on April 6th. The first place winner was the University of Wisconsin - Madison. The second place team was the University of Minnesota - Engineers

without Borders group. The third place team was the University of Minnesota Capstone Group. All of the teams did an excellent job! It was a difficult choice to pick a winner. In the end, the judging panel felt the UW-Madison team's design was a better fit to compete at WEFTEC. As the Engineers without Borders design was such a close second, but very different than traditional design projects, the CSWEA Executive committee decided to sponsor this team in a new Humanitarian Design Category that will fall under WEFs Environmental Design Category at WEFTEC.

The two CSWEA teams are presenting in the afternoon on Wednesday May 20th.

General Awards: Rusty Schroedel reported on the awards recommendations. The committee will be addressing a method to deal with the nominations received from other members that did not come through the various State and Association Committees. This will be discussed at the Executive Board meeting.

Internet: Eric Lecuyer reported the following:

- The "constant contact" for broadcast email service is very useful for sending the newsletter and other announcements. Send the information in Word format.
- For internet communication and postings, contact Eric at cswea@ymail.com.
- Web advertiser cost \$25.00 per month or \$300 per year.
- Job postings are free.
- The use of the Cvent registration process for CSWEA and Section events is very useful and **WI section is not using it and should consider it.** Contact Eric for more information.

Central States Water Magazine: Eric Lecuyer reported the following: The Fall issue will have the "Buyers Guide" specific for the Central States Area.

We will start sharing revenue with the publisher. This may be in a range of \$2500-\$4000 this year.

Following is the publication schedule for 2009.

1) Summer issue

***Post Annual Meeting**

- a) Content and advertising deadline - June 12
- b) Art proof to the Chapter for approval - June 26
- c) CSWEA returns proof to CK - July 3
- d) Magazine printed and mailed - July 17

2) Fall issue

- a) Content and advertising deadline - August 21
- b) Art proof to the Chapter for approval - September 4
- c) CSWEA returns proof to CK - September 11

d) Magazine printed and mailed – September 25

3) Winter issue

***Promoting CSWEA/AWWA Midwest Water Industry Expo**

- a) Content and advertising deadline – November 13
- b) Art proof to the Chapter for approval – November 27
- c) CSWEA returns proof to CK – December 4
- d) Magazine printed and mailed – December 18

Public Education:

Annual Meetings

- 2010 Madison, WI: The conference will begin on Tuesday and end on Friday May 11-14 at Monona Terrace. The host hotel is the Hilton with 410 rooms blocked at \$161 per night.
- 2011 MN: Jim Miller reported that the committee is leaning towards a Twin Cities meeting at the Thunderbird Lodge.

CSWEA CSX/YPX 08 Follow-up: Eric reported the following:

- Change perception that CSWEA is “Operator” inclusive-**Action Articles and features in CS Water. Partner with FVOA at 82 Annual Meeting.**
- Send CS Water to every POTW. **Action: Fall issue was mailed to about 600 facilities in three states (not already receiving CS Water)**
- Improve/Enhance CEU's for all events **Action: CEU's credit solicited from IEPA, DNR and MPCA and posted as part of registration info for each CSWEA and Section event**
- Motto "Join CSWEA and become a leader...enhance your career"
- Create WWT Accreditation program (all levels, manager, operators, maint. technicians, etc) **Action: Plant Maintenance Certification Program has been approved by the Ex Com and ABC and is underway.**
- eBlast CSWEA Associate membership (only \$20) invitations to POTW's, managers, firms etc to market new membership category. **Action; Included in some e-blasts, resulted in receiving one Associate membership.**
- Better engage University/College professors to assist with student recruitment into field and CSWEA. **Action: Bill Boyle Educator Award for 2nd Year at 82nd AM.**

- Develop "Humanitarian Environmental Design competition award...set the example for WEF. **Action: Done. (WEF has established a "Environmental" category that can include our "Humanitarian" category**
- Activate YP Committee with meaningful goals. **Action: Community Service event at WEFTEC**

CSWEA/IWEA Relations: There continues to be dialog between Central State WEA and IWEA to improve communications and cooperation.

CSWEA/ABC Plant Maintenance Technologist Certification: Gary Scott reported: The certification program has begun in Illinois. On April 13, 2009 ABC sent official notification that CSWEA had been officially accepted as a Charter Member of this new certification initiative.

Participation from plant maintenance personnel is essential for CSWEA to maintain a quality, valid certification program. In this regard, Gary Scott will announce soon that CSWEA will be seeking volunteers to participate on Sub-Committees which will administer the certification program, review and certify applications for testing eligibility, and will develop and administer educational seminars as a preparation for future certification testing. Gary hopes to place volunteer nominees from Wisconsin, Illinois and Minnesota Sections into these key positions.

He is providing information on this new program at this 82nd Annual Meeting. Stop by the CSWEA Booth during the Equipment Expo to take a look at this new program outline and to get insight into certification as a Plant Maintenance Technologist.

WFP Fundraiser Raffle for 2009 -WFP Fundraiser Raffle for 2009 is on for the year. 300 tickets will be available to sell at \$100 each to go to the Super Bowl. On-line ticket purchase is available at www.CSWEA.org.

WWOA Liaison's Report - Dennis Egge, Liaison

Spring Bio-Solids Symposium Committee Report

April 15, 2009

Green Bay, Wisconsin

Dennis Egge, Committee Chair

Spring Bio-Solids Symposium

The Spring Bio-Solids Symposium was held at the Stevens Point Holiday Inn Convention Center on March 10, 2009. The Symposium was very well attended with approximately 295 people attending. This symposium was well represented by both Septage and Wastewater Treatment Plant Professionals.

The Day started with the welcome by Fred Hegeman and proceeded to the EPA update by Bob Bastian and DNR Update by Fred Hegeman. Alan Hais presentation was on WERF Research followed by a presentation by Sue Porter related to Nutrient Management and SNAP PLUS. Dick Wolkowski finished the morning with an informative presentation on Phosphorus Availability. After everyone got their energy back from a very nice sit down lunch Gene Laschinger completed with a Lunch presentation related to flooding experiences in Reedsburg Wisconsin. The Afternoon sessions began with a Panel Question and Answer Session. During the afternoon sessions a team approach was taken with the subject of Septage Charges at Wastewater Treatment Plants four operators gave separate presentation related to their

plants and how they approach this subject. The afternoon was completed with the final two presentations. The first was a presentation related to Road and Vehicle Issues presented by State Patrol Officer Mike Klingenberg. The Seminar was adjourned after the last Panel Discussion related to Nutrient Costs.

A Special thanks to all that served on the Bio-solids Committee. Once again this was a very successful event.

WWOA Board Meeting April 16, 17th 2009.

This meeting was held in Green Bay Wi. Most of the business dealt with the details related to the fall convention. Reports were presented by all committee and the above reports were presented to the board for their information related to SBS and this years Collection systems seminars. It was brought to the attention of the WWOA board that usage of the material that purchased and support for our memberships was higher than originally expected. The WWOA assigned the responsibilities of the UW Water Resources library material that both the WWOA and CSWEA provide financial support to a new committee under the career Development Committee. This committee will have the responsibility of monitoring usage of material, purchasing any new materials needed and requesting any new funding needed.

Respectfully Submitted: Dennis Egge

Collection System - Todd Stelmacher, Chair

The purpose of this memo is to provide an update to the Wisconsin Section Board related to the activities of the Collection System Committee for the last quarter along with the 2008-2009 administrative year in general.

The Committee met during the Government Affairs Seminar in Madison on February 19, 2009. The majority of the meeting was dedicated to coordination of the Watertown "Classic" seminar. Planning for the seminar was at or ahead of schedule with most topics and speakers confirmed. A copy of the meeting minutes for the February 19 meeting is attached for reference.

The Committee met again on March 3, 2009 to begin planning for the Marshfield "Northwoods" seminar. A list of potential topics and speakers was developed and work assignments made. Vice Chair Craven developed a schedule matrix to identify critical dates for planning the two seminars. A copy of the meeting minutes for the March 3 meeting is attached for reference.

Planning and organization for both seminars remains on schedule. Exhibitor registration for the Classic seminar is complete and the registration brochure has been printed and mailed to the CSWEA and WWOA membership. A copy of the brochure is posted on the

website of both organizations. Exhibitor registration for the Northwoods seminar is ongoing with the deadline date for inclusion in the brochure of May 11. Registration brochure organization is nearly complete, awaiting the listing of exhibitors. Printing is scheduled for late May with mailing in early June. The Committee members should be commended for an outstanding effort in planning and organizing both seminars. We look forward to a successful seminar in both locations.

The Committee had two specific goals for the 2008-2009 administrative year. The first goal was to attract a new member responsible for operation of a collection system. While we had some specific targets for new members, we were unsuccessful in attaining this goal. We have retained this as a goal for the next administrative year. The second goal was to build on the success of the 2008 Northwoods seminar. Based on the level of effort put forth by our membership and the dedication of the Marshfield staff, we will most certainly achieve this goal.

The Collection System Committee will be under new leadership for the 2009-2010 administrative year. Vice Chair Andrew Craven will be taking over as committee chair and Randy Belanger has volunteered to assume the vice chair role.

Collection System Committee Meeting
February 19 2009, 12:00 PM
Madison Marriot West/Gov't Affairs Seminar

MEETING NOTES

Attendees: Ron Dickrell, Paul Lange, Randy Belanger, Tom Krueger, Jim Fratrack, Jim Beier, Todd Stelmacher. Fred Andes from Barnes & Thornburg also sat in.

1. Review previous committee activity **No old business discussed.**
2. Seminar Promotion
 - a. Poster – Kari Dennis created poster **Jim brought the poster to the seminar and will take it to WWOA South Region meeting later this month and then to Spring Biosolids in early March. Letter sized copies of the poster distributed to the committee.**
 - b. CSWEA and WWOA websites **Need to get draft topics to Tom Nejedlo when confirmed. Tom has been in contact with the various entities. Some follow-up req'd with Rural Water.**
 - c. APWA meeting
 - d. Clarifier
 - e. Rural Water
3. 2009 Watertown Seminar – 22nd Annual
 - a. Review speakers/topics
 - i. Safety – Dave Kodel, 45 mins **Confirmed**

- ii. Chlorides - Tom Steinbach, 30-35 mins **Confirmed**
 - iii. Regulatory - Jack Saltes, 20 mins **Confirmed**
 - iv. SSES - Taryn Nall, 30 mins **Confirmed. Will not have community representative.**
 - v. Private Property I/I - **Andy has been working on the topic but is looking for a speaker. Would like to get a community representative, but could consider a Strand or Symbiont employee. Need to follow-up with Andy. Todd S. also spoke with Joan Hawley after the meeting about locating an appropriate speaker.**
 - vi. Storm Sewer I/I - Mary Jo Lange (?), 30 mins **Potential conflict with family vacation. Jim will contact Mary Jo to confirm by the end of next week.**
 - vii. 2008 Wet Weather Events - **Still looking for a moderator. Consider getting Ken Johnson (WDNR) to give abbreviated form of his presentation from Gov't Affairs with focus on collection systems and enforcement action/inaction. Jim Fratrack will contact Ken to determine interest.**
- b. Brochure
 - i. Assign Dates
 - ii. Set Agenda **Friday March 13 set as the date for agenda and speaker confirmation.**
 - c. Vendor letter has been sent
 - d. Facilities - Lange **Turner Hall has been confirmed. Food prices have not increased from last year.**
 - e. Major Door Prize - Kolczaski
4. Marshfield Seminar
- a. Any issues requiring attention? **Nothing prior to March 3 meeting.**
5. Important Dates:
- a. March 3, 2009 - Marshfield Planning Meeting (Neenah)
 - b. Mid-Late Mar 2009 - Finalize/Confirm speakers/agenda & Brochures design & to printer
 - c. Apr 2009 - Mail Brochures
 - d. May 2009 - Advance Registration Deadline
 - e. June 4, 2009 - Watertown Seminar
 - f. August 6, 2009 - Marshfield Seminar

Collection System Committee Meeting
 March 3, 2009, 9:00 AM
 McMahan Associates, Neenah, WI

Meeting Minutes

- 6. Review previous committee activity
 - a. Watertown Planning - **refer to various "Important Dates" below**
 - **The majority of the speakers are confirmed. Todd Stelmacher is working on confirming that Ken Johnson of the WDNR will speak about the floods of 2008 and WDNR's enforcement response. Andy Craven is still trying to identify a "private I/I" community that might be willing to discuss their program. Two potential communities were suggested - Fox Point and Brown Deer. Andy will contact them to investigate further.**
 - **A seminar display board with a listing of exhibitors will be prepared by Margaret @ Symbiont). Todd will confirm.**
- 7. Marshfield Seminar
 - a. Commitment to Clearwaters Hotel & Convention Center - **Ron will confirm with Clearwaters that everything is in order. Will also check into payment requirements.**
 - b. Verbal/Written Contracts?
 - c. Deposit?
- 8. 2009 Marshfield Seminar
 - a. Review 2008 Speaker Evaluations
 - b. Brainstorm for speakers/topics - **refer to accompanying table for preliminary list of topics & potential speakers**
 - i. Safety - PPE Hazard Assessment, Selecting and Using the Correct PPE. Speaker - Gordy Koch
 - ii. Private Property I/I Survey
 - iii. Little Chute I/I reduction

Potential Topic / Time	Potential Speaker	Responsible CSC Member/Comments
Safety - PPE Hazard Assessment - 30 min	Gordy Koch - Confirmed	Todd Stelmacher
CMOM Update - 45 min	Jack Saltes - Confirmed	Ron Dickrell
I/I - Little Chute & Kiel - 45 min	Dale Marsh - Robert E. Lee & Associates, Inc.	Todd Stelmacher
Private I/I Survey Update - 15 min	Mike Kelly - City of Jefferson	Randy Belanger
PPVL Update - 15 min	Andy Craven	Andy Craven
"Northwoods" Community - Maintenance Program - 30 min	TBD	Jim Beier
Odor Control / Corrosion Control	TBD	Todd Stelmacher

Open Forum Discussion - Funding, Budgets, etc	Herb Miller - Potential Moderator	Herb Miller Andy Craven to contact Joe Cantwell @ Focus on Energy - potential brief update.
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- **Jim Beier will develop a list of “northern” communities to contact. The goal is to identify a community that might be willing to discuss their existing maintenance program, as well as to encourage attendance at the seminar.**

- c. Brochures - design and mailout - **Mike Spence responsible**
- d. Awards or other recognition at Seminar
- e. Vendor Program (Lecey)
- f. Fees/Expenses
- g. Duties of committee members

9. Important Dates: - **refer to table on next page.**

Task	Comments	Watertown Deadline	Marshfield Deadline
Finalize speakers, agenda - complete brochure design	Approximately 3-1/2 months prior to seminar date	March 13 th	Early May
Mail vendor letters	Approximately 4 months prior to seminar date	February 4 th	April 6 th
Vendor advance registration deadline - to be included in brochure	Approximately 1 month after vendor letters are sent out & 3 months prior to seminar. Note that this date can not be prior to the date that the brochures are finalized!	March 6 th	May 11 th
Brochure finalized and sent to printer	This is completed as quickly as possible after the details are confirmed. Approximately 3-1/2 months prior to seminar date	March 13 th	May 21 st
Brochures printed & delivered for mailing	Brochures are normally ready about two weeks after being sent to the printer	April 3 rd	June 8 th
Mail brochures	Allow two weeks to prepare and send out brochures	April 17 th	June 22 nd
Advance registration deadline	Approximately 2 weeks prior to seminar date	May 21 st	July 20 th
Seminar date		June 4 th	August 6 th

Collateral Duties

Andy Craven - Vice Chair/Secretary, Awards Subcommittee, Speaker Evaluations (Watertown & Marshfield)

Bob Lecey - Exhibitor Letter

Frank Tiefert - Soda Sponsor (Flygt)

Jim Beier - Awards Subcommittee

Jim Fratrack - Speaker gifts, DNR Credits

Randy Belanger - Brochures (printing)

Mike Spence - Brochures (design)

Paul Lange - Watertown Facilities (Turner Hall, Food, etc)

Ruth DeLay - Watertown Finance, Awards Poster & Clerical

Todd Stelmacher - Committee Chair

Tom Krueger - Awards Subcommittee, Brochure Mailing

Ron Dickrell - Marshfield Facilities (Meeting Hall, Food, etc.)

Marshfield Clerk - Jean Coy

Mark Kolczaski - Door Prizes, assist with Vendor demo schedule

Dennis Egge - WWOA Liason

Tom Nejedlo - Publicity (WWOA & CS-WEA WI)

Nancy Schultz - (Out of town assignment)

Kari Dennis - Promotional Poster Board, Awards subcommittee

Gary Buntrock -

Government Affairs Committee - Jane Carlson, Chair

Status report - update on past year successes and challenges; updates for next year

The past year was a success. Our committee added new members including Jim Kleinschmidt to serve as a liaison with the Alliance of Cities on stormwater and related issues, Tom Sigmund as a member-at-large, and Mike Gerbitz who is now tracking TMDLs. The committee and Wisconsin Section Chair submitted formal comments on nutrient criteria development at the national level and helped convince the EPA to conduct a Science Advisory Board peer review. We used the CSWEA e-mail list for an alert on proposed thermal standards. The committee also formally reminded the DNR of our interest and value in participating in the regulatory development process and again asked to be included on future state technical advisory committees. Our 2009-2010 Annual Plan was updated and submitted to the Board in February. Challenges include finding additional governmental members and keeping all members active, but overall the committee is healthy and doing good work.

Current committee members and assignments are listed at: <http://www.cswea.org/wisconsin/governmentaffairs/> We still need to add Mike Gerbitz's contact information to the web site.

Minutes of Last Meeting

The committee "met" again by e-mail in May. Updates to regulations or other initiatives are attached.

Next Meeting and Chair

Our next meeting will be by e-mail so that we can report on regulatory initiatives in time for the early August 2008 Summer Board Meeting. Brandon Koltz will be the new chair.

c: All committee members (Dave Taylor, Paul Kent, Gil Hantzsch, Chad Olsen, Bill Desing, Joan Hawley, Brandon Koltz, Keith Haas, Jim Kleinschmidt, Tom Sigmund, and Mike Gerbitz) and committee board liaison (Ken Sedmak)

Regulatory and Other Initiatives Updates May 2009 Attachment to Government Affairs Committee Report

The primary focus of the Government Affairs Committee (GAC) is to identify and track various regulatory/legislative initiatives that may have a significant impact on Wisconsin Section members. Attached please find reports prepared by individual committee members summarizing activities in the areas that they are responsible for tracking.

Wisconsin Alliance of Cities Liaison**By Jim Kleinschmidt, P.E./Strand****<No Update This Report - See Previous Reports >****Wisconsin DNR Thermal Rules Revisions (NR 102 and NR 106)****By Jim Kleinschmidt, P.E./Strand****<No Update This Report - See Previous Reports and the following web site:>****<http://dnr.wi.gov/org/water/wm/wqs/thermalrulesrevisions.htm>****Biosolids-EPA Initiatives and National Biosolids Partnership EMS Program
By David Taylor; Madison Metropolitan Sewerage District****EPA Releases Results for the Targeted National Sewage Sludge Survey**

EPA has released the results of the Targeted National Sewage Sludge Survey (TNSSS). The survey measured concentrations for a target list of chemicals (analytes) in sewage sludge from a statistically derived sample of publicly-owned treatment works (POTWs) in the contiguous United States with flow rates of at least one million gallons per day and which use secondary treatment or better. EPA is now in the process of reviewing the data and conducting hazard assessments for those pollutants where sufficient data is available.

WATER ENVIRONMENT RESEARCH FOUNDATION (WERF) Proposed Targeted Collaborative Research Project - Study to Develop Data Needed for Evaluating Exposure and Risks Associated with Trace Organics in Biosolids-Amended Soil**Introduction:**

Several WERF subscribers (Metropolitan Water Reclamation District of Greater Chicago, Madison Metropolitan Sewerage District and Procter & Gamble) supported by an interdisciplinary group of experts have approached WERF to conduct research needed to evaluate the fate and transport of trace organics in biosolids-amended soils that could be carried out under a Targeted Collaborative Research (TCR) effort. The proposed approach includes complementary field and laboratory studies. Phase 1 will include laboratory-based studies and Phase 2 will focus on field studies. Both phases will include modeling and development of data needed to conduct exposure assessments. The generated data will be used to validate or modify existing models for assessing chemical fate and transport, environmental exposure, and potential effects to humans (e.g., reasonable maximum exposure individuals or residents living near land application sites) and ecological receptors (e.g., aquatic and terrestrial organisms). Emphasis will be on sustainable and practical biosolids-use scenarios pertinent to agriculture. The research will also evaluate long-term biosolids application scenarios and high application rate impacts in order to validate worst-case risk assessment scenarios.

Purpose:

This proposed research is a multi-phase study to develop data to support scientifically sound risk assessments for trace organic chemicals in biosolids-amended soil. This research will be accomplished using a strategy modeled after the W-170 approach that was successful in informing the original Part 503 process.

Rationale:

Of the thousands of anthropogenic organic chemicals entering wastewater treatment plants every day, many (if not most) are degraded or removed from the aqueous phase. However, most of the chemicals that are removed but not degraded persist in the solids phase and accumulate at varying concentrations. Depending on how the solid materials (biosolids) are handled, it is possible that biosolids will serve as a source of environmental exposure to these chemicals.

The U.S. Environmental Protection Agency recently released a Targeted National Sewage Sludge Survey. The EPA survey found a wide variation in levels and frequency of detection for a number of pollutants, including pharmaceuticals, steroids, and flame retardants. Subject to the availability of data, EPA will evaluate risks associated with exposure to these pollutants in biosolids-amended soils.

Research interest in such compounds (emerging organics, trace organics) is strong, given numerous reports of certain pollutant occurrences in the environment, as well as adverse impacts on aquatic organisms (even at sub-part per billion concentrations). The trace organics that partition into the sewage sludge can ultimately reach the environment via land application of biosolids. Comparatively little research has focused on the fate, transport, exposures and impacts of trace organics or groups of trace organics in biosolids-amended soil. Often, computer model predictions substitute for laboratory measurements or field confirmation of physical/chemical properties and estimates of human/environmental exposure to trace organics. Few of the models, however, have been validated, especially for trace organics in biosolids-amended soils under field conditions. Numerous data gaps exist that are pertinent to a scientifically sound risk assessment.

Objectives:

The research program will fill information gaps for assessing the fate and exposure of important groups of biosolids-borne trace organics and provide this information to regulatory and other public agencies, product manufacturers and other responsible entities to support informed policy and regulatory decisions. This will be accomplished by developing a better understanding of the fate, transport behavior and exposure of trace organics in biosolids-amended soil.

The major knowledge gaps that will be addressed by this research include:

- 1) Mobility: including runoff and leaching evaluations;
- 2) Persistence: including degradation and volatilization;
- 3) Uptake, bioaccumulation and other factors affecting toxicity: including plants, soil biota and biota predators;
- 4) Soil microbial impacts: including factors related to community changes and antibacterial resistance;
- 5) Potential to reach groundwater;
- 6) Short- and long-term bioavailability: including sorption and humification evaluations; and
- 7) Validation of predictive models: including fate, transport, exposure and other factors related to effects and risk.

The final experimental research study will incorporate input from funding partners reflecting their needs and interests.

The intent is to provide scientifically sound, risk-based information on which policy decisions may be made regarding biosolids management practices. Ultimately, this study should provide essential information and data to assess the risk of trace organics in biosolids amended soil..

Funding and Duration:

Phase 1 is envisioned to be a three-year project with an estimated budget of \$1,250,000 and Phase 2 will be a three-year project with an estimated budget of \$2,100,000. The two phases will overlap for one year for a total project period of five years. The members of the 2003 WERF TCR on biosolids have committed the remaining \$200,000 in their research program towards Phase 1. A portion of these initial funds will be used to complete the state of the science report. As previously indicated, scheduled progress reports also will be prepared on a regular basis to provide funding partners with the latest information on trace organics in biosolids to share with interested constituents.

Additional funding partners are currently being sought to participate in this critical research effort.

Contact Alan Hais, WERF's program director for solids and residuals, at 703-684-2470 x7146 or ahais@werf.org for additional information.

CMOM - Wet Weather Issues

BY: Joan B. Hawley, P.E., Superior Engineering, LLC joan@superior-eng.com

There are several items that affect wet weather issues.

1. The Economic Stimulus Package proposed will include money for infrastructure. Funds are being distributed to "shovel" ready projects.
2. EPA has officially withdrawn the Permit Fee Incentive Rule. The attached link is for the 4/15/2009 Federal Register Notice where EPA is officially withdrawing the Permit Fee Incentive Rule. This has been "on the radar screen" for about 2 years. Go down to the bottom of the first page in the middle (below the booklet chart). http://www.epa.gov/owm/cwfinance/pfr_withdrawalfinal-fm.pdf
3. WEF Collections System Committee -
 - a. Webcasts for 2009
 - i. Inspection and Assessment of Gravity and Pressure Pipelines (6-17-09)
 - ii. Construction and Inspection of Pipelines 9-16-09
 - b. Private Property Programs. A valuable resource on private property programs is hosted on www.wef.org website, Science & Technology Resources Tab; Access Water Knowledge Tab, Collections Systems Tab - under technical resources.
4. CSWEA - 22nd Annual Collections System Conference in Watertown, June 4th, 2009 and the 2nd Annual Collection Systems Conference in Marshfield on August 6th, 2009.
5. No updates on the Wisconsin CMOM rules. The Department continues to promote and advocate for CMOM-like activities through a variety of means including the CMAR reporting. DNR produced a media-site presentation on an introduction to CMOM (see <http://dnr.wi.gov/org/water/wm/ww/cmar/CMOM.htm/>).

6. The Milwaukee Metropolitan Sewerage District Satellite Communities will be submitting CMOM plans to the DNR by June 30th, 2009 in accordance with a Court Stipulation.

NUTRIENT CRITERIA

By Jane M. Carlson, P.E./Strand Associate, Inc.

The DNR's technical advisory committee (TAC) met on April 30, 2009, after a break of about seven months. The agenda included the following:

- EPA Update on Nutrient Criteria in Region 5 by Brian Thompson
- Effluent Limits Group Discussion - including equations and models, what stream flow to use (low flow versus annual mean or other), use of TMDL wasteload allocation in lieu of effluent limit, and default or minimum limits
- Permittee Options Group Discussion - including compliance schedules, variances, streamlined variances for lagoon and pond systems and/or small POTWs, TMDLs, and pollutant trading

The DNR provided a write-up on the second two bullet items and asked the TAC to review and submit comments soon. The next meeting will likely be held in June. These meetings are open to the public, and GAC members including Dave Taylor (a TAC member) and Jim Kleinschmidt or Jane Carlson typically attend.

On the national front, CSWEA-WI sent a letter to EPA supporting a Pennsylvania group's request for a peer review of nutrient criteria that were developed for a TMDL there. The criteria were based on an assumed direct link between nutrient concentrations and "toxicity" to aquatic life, which the PA group asserts is not scientifically valid. The method used was similar to the USGS-Wisconsin DNR method used for draft P criteria development. The EPA has now agreed to perform a full Science Advisory Board review of the P criteria development process. Also see Brandon Koltz's report below.

NR 214 - LAND TREATMENT OF INDUSTRIAL LIQUID WASTES, BY-PRODUCT SOLIDS AND SLUDGES
By Jane Carlson/Strand

<No Update This Report - See Previous Reports >

Summary of Key Legislative and Rulemaking Activity
By Paul G. Kent of Anderson & Kent sc
Legal Counsel for the Municipal Environmental Group
Wastewater Division

<No Update This Report - See Previous Reports >

**Government Affairs Seminar (GAS) Committee Report
By Gil Hantzsch, P.E., MSA Professional Services Inc.**

The Government Affairs Seminar was held on February 19, 2009, with a total of 220 people in attendance. Feedback has been favorable and we should end up in the black financially. I would like to thank the Committee for pulling together another great slate of speakers.

The Committee will reconvene in the fall to begin planning the 2010 Seminar. The Seminar will be held Tuesday February 23, 2010 at the Madison Marriot West, and Central States will be the lead organization for planning purposes.

Stream Re-classification/Proposed Revisions to Chapters NR 102, 104, and 106 as Related to Stream Classification & Outstanding and Exceptional Resource Waters

By Chad T. Olsen/McMahon Associates, Inc.

The Wisconsin Department of Natural Resources (DNR) was in the process of revising Wisconsin Administrative Codes NR 102, 104 and 106 as they pertain to stream classifications. NR104 was originally promulgated in 1976 and has only been modified slightly several times since. However, there has not been a comprehensive update of the classifications of many Wisconsin surface waters since the early 1980's. Phase I rule changes on the classifications went out for Public Comment in March 2002 and generated a lot of controversy. The controversy caused the DNR to pull back and review and document all stream classifications.

During the process, the DNR received a petition from the River Alliance and the Midwest Environmental Advocates in 2004 requesting that approximately 100 additional stream segments in northern Wisconsin be included in the Outstanding and Exceptional Resource Water list of NR 102. An Outstanding resource water is defined as a lake or stream which has excellent water quality, high recreational and aesthetic value, and high quality fishing and is free from point source and nonpoint source pollution. An Exceptional resource water is defined as a stream that exhibits the same high quality resource values as outstanding waters, but which may be impacted by point source pollution or have the potential for future discharge from a small sewer community.

Outstanding and Exceptional Resource Waters (ORW/ERW) are afforded additional protections above and beyond that of NR104. Of the 100 petitioned, 40 stream segments were added to the list of ORW/ERW streams in October 2006. A list of the ORW/ERW in NR102 can be viewed at the DNR website: <http://dnr.wi.gov/org/water/wm/wqs/orwerw/>. Justifications for the decision whether or not to place the requested streams 100 additional segments on the list can also be found on the web page. The website is currently process of being updated. It was last revised in 2006 and will be updated the week of May 11th.

The DNR is currently working on developing a better process for classifying waters (i.e. assigning them Use Designations), and for assessing what condition the waters are in (Poor to Excellent). This is still in the internal draft phase. The DNR hopes to have the draft completed by the end of the year. Once the guidance is complete, they also hope to

update the criteria used for designating a stream as an Outstanding or Exceptional Resource Water (ORW/ERW), to mesh smoothly with the new Classification & Assessment processes.

Actual rule changes to Wisconsin Administrative Codes NR 102, 104 and 106 as they pertain to stream classifications probably will not occur until 2012 at the earliest. DNR staff cuts may also delay rule changes further.

TMDLs

Mike Gerbitz, PE, Donohue & Associates, Inc.

Following is some recent information for Wisconsin:

- Lower Fox River TMDL: Phosphorus and Sediment – The DNR plans to release a draft TMDL for public notice in November 2009. Additional information may be found at the website listed below.

<http://dnr.wi.gov/org/water/wm/wqs/303d/FoxRiverTMDL/>

- Rock River TMDL: Phosphorus and Sediment – The previous loads and wasteload allocations are being revised. The DNR plans to submit a revised draft TMDL to the EPA in the fall of 2009. If the revisions warrant a public notice period, the EPA submittal will be delayed accordingly. The Final TMDL is planned for January 2010. A technical advisory committee meeting is scheduled for May 21, 2009. Additional information may be found at the website listed below.

<http://dnr.wi.gov/org/water/wm/wqs/303d/RockRiverTMDL/>

- Little Lake Wissota TMDL: Phosphorus and Sediment – The DNR is addressing EPA comments, including the requirement for waste load allocations of General Permits. The DNR plans to submit a revised draft TMDL to the EPA in July 2009. If the revisions warrant a public notice period, the EPA submittal will be delayed accordingly. Additional information may be found at the website listed below.

http://dnr.wi.gov/org/water/wm/wqs/303d/Draft_TMDLs.html

For additional TMDL program details, please refer to previous GAC reports.

Wastewater Security

By Bill Desing, CH2M Hill

<No Update This Report - See Previous Reports >

Compounds of Emerging Concern and other National Issues **By Brandon Koltz/Symbiont**

From the recent WEF/NACWA Public Policy Forum:

Microconstituents: Several speakers mentioned concern for microconstituents and the need for additional research. A biosolids study suggesting persistence after application was noted. Wastewater criteria were not

mentioned, but a drinking water study is in progress concerning additional constituents (including microconstituents) that might be added as drinking water criteria.

Nutrients: This is a hot topic. The NRDC petition for inclusion of nutrient removal within the definition of secondary treatment will likely be reviewed by USEPA later this year. (WEF Government Affairs/Nutrient Removal Work Group is preparing a technical analysis of treatment to NRDCs proposed standards and water quality impacts of nutrient discharges. The document just went to peer review; I am a contributing author for the water quality section). USEPA will impose nutrient standards if states fail to establish them on their own - USEPA will set standards for lakes and flowing water in Florida in 2010 and estuaries and coastal waters in 2011. There seemed to be general acknowledgement by POTW members that some level of nutrient removal will ultimately be required.

Recreational Standards: USEPA is currently studying and evaluating more precise indicators for public health risk and water recreation. Recommendations are expected in 2012.

Climate Change: Almost every topic included discussion of the impact of climate change: wet weather planning and accounting for changed hydrologic conditions, emissions and carbon sequestration (impacts to groundwater?), ocean water rise and loss of coastal estuary systems, the need for clean sources. The relationship between higher, more energy intensive treatment processes and increased carbon dioxide was acknowledged.

Green Technologies: Across the board, USEPA is looking for application of green technologies for treatment and management solutions. Energy reduction and storm water management are two areas continually mentioned.

Funding: There was dissatisfaction with the Buy American provisions in the Stimulus Package. USEPA acknowledged the problem, but they are legislatively directed to include it in funding. This provision is not included in the FY 2010 draft appropriations for the SRF fund. USEPA budget will include \$3.9 billion for water and wastewater SRF (a portion of this funding is anticipated to be available as grants); \$475 million for Great Lakes cleanup efforts. The agency will add staff. Legislative speakers discussed the proposed Water Trust Fund - it is being discussed in committee and is likely move out of committee this year. There will be more money provided to states for program operation as well.

Other: There is recognition that non-point sources need to be brought into the equation to address "large ecosystem' problems. Legislators and EPA officials want to include additional environmental controls for construction and long term operation of transportation facilities.

Great Lakes Issues - The Great Lakes Compact
By Keith Haas/Racine Water and Wastewater Utilities
<No Update This Report - See Previous Reports >

Industrial Waste - Brian Molenaar, Chair

No report was received.

Membership - Jay Kemp

No report received.

Operations Committee - Troy Larson, Chair

No report received.

Management Seminar - Tom Krueger, Chair

No report was received.

Public Education and Awareness - Dale Doerr, Chair

Public Education and Awareness: The Public Education and Awareness Committee members are Chairperson Dale Doerr, Kathleen Zino, Tom Mulcahy, Aga Razvi, Max Anderson, Bill Martin, and Steven Godfrey.

Stockholm Junior Water Prize

In April the PEAC received 3 papers (candidates) registering with WEF for the right to be the Wisconsin delegate to the National Stockholm Junior Water Prize Competition in Anchorage Alaska.

Based on the PEAC member evaluation and feedback, Jamie Molloy from Divine Savior High School in Milwaukee was selected to represent Wisconsin through CSWEA. The title of her research based paper is The Effect of Nano Metal Oxides on Sentinel Organisms in the Aquatic Environment.

Ms. Jamie Molloy and her teacher Mrs. Betty Jo Azpell plan on attending the National SJWP competition in Anchorage Alaska in June. The cost for airfare from Milwaukee to Anchorage is between \$600 and \$800 per person with WEF picking up \$500 of the cost. If the cost for both tickets is \$1,600 then the PEAC budget of \$1,300 will be nearly spent.

I would like to thank all of the PEAC members for their help in judging the papers and determining the Wisconsin representative for the National SJWP competition.

World Water Monitoring Day

In conjunction with WWOA, CSWEA contributed \$1,000 towards the purchase of World Water Monitoring Day (WWMD) Kits. A total of one hundred and eight (108) kits were purchased distributed to school teachers from around the state. A label stating the kit was donated by WWOA/CSWEA was placed on the outside of the WWMD kit and a short note was placed inside the kit requesting feedback on the value of the WWMD kit to the school/classroom. A big thank you to the following vendors for personally delivering the WWMD kits to the schools. Tom Kruzick, William Reed, Tom Mulcahy, Mulcahy Shaw Water, Jim Bier, Crane Engineering, and Steve Godfrey, Baxter Woodman.

CSWEA Web Page additions

It came to my attention while working on WWMD and the SJWP competition, that there was no information on the CSWEA website regarding these two programs. While WWMD is relatively new, the SJWP competition has been around for some time. Through an exchange of emails with Pattie Craddock and Rachael Lee it was decided to add information on WWMD and the SJWP under the Public Education and Awareness tab of the CSWEA website. I put together a draft document for both programs and submitted them to Eric Lecuyer for inclusion on the CSWEA website. The documents were installed on the website as Word Documents. The documents should be converted to a more universal format such as a PDF.

Wisconsin Science Teachers Convention

I attended the Wisconsin Society of Science Teachers Convention on March 5 -6, 2009 in Milwaukee with CSWEA paying the conference vendor fee. The purpose of attending the conference was three fold, to get out the word about our organization and the WWOA. In addition, we wanted tell science teachers about World Water Monitoring Day (WWMD) and the annual Stockholm Junior Water Prize (SJWP) competition. The conference was well attended and many of the attendees were surprised at all the things our organization does to protect our water environment. Two WWMD kits were donated as door prizes for conference attendees. My work as the Public Education and Awareness chair of CSWEA - Wisconsin Section and the Publicity Chair and the Career Development committee of WWOA and has provided me with many great opportunities to tell people about both organizations.

Safety - Jerry Hirt, Chair

No report received.

Watershed Management - Bill Krill, Chair

No report received.

Student & Young Professionals Committee Report

Student Chapters

The UW-Madison chapter continues to be active and have regular meetings. They won the CSWEA level design competition and will be presenting at the Annual Meeting. They are working on setting up a bank account and have added the position of Treasurer to their roster. I was contacted by an WI-AWWA member who wants to be more involved with the UW student chapter.

There is no report on other chapters at this time.

YP Events and News

The YP Summit was held on April 23, 2009, in Las Vegas, NV. Trevor Ghylin and I both attended the conference. Trevor's summary which provides a good description of what transpired is attached.

The reception on the evening before the Education Seminar was co-hosted by the S&YP Committee. There were a good number of YP attendees. Also, I think highlighting YPs on the agenda encouraged members to invite YPs to the Education Seminar.

Trevor Ghylin - YP Summit Report

The WEF YP Summit and WEFMAX were great events. I really had an good time there and feel like my time was well spent (even though it was vacation time for me! :)). I came back with several new friendships and a rejuvenated passion for my work and YP concerns in our industry.

I was able to meet several senior WEF leaders as well as the up and coming leaders of WEF YPs. I spent significant time speaking with Jim Clark (former WEF president) at dinner. It was nice to get some advice from someone that has already been through a long successful career in the water industry. I was also able to meet the current executive director of WEF (Bill Bertera).

At the YP Summit we were able to learned about:

- Generational differences in the workplace (focused mostly on motivating and retaining the Millennial Generation, which is what I am). It is always interesting to hear characteristics of yourself. I didn't realize some of my traits until I learned more about my generation. I have begun to truly understand the generational differences...they really cannot be overlooked!
- 2 Hour presentation from a Dale Carnegie trainer on leading and working together in a team environment. This was a very informative and inspirational presentation.
- Jim Clark gave a very practical but also engaging presentation on his knowledge of project management.
- I was also able to meet Ned Breslin (current CEO of Water for People). Ned gave a talk and inspired me to become more active in Water for People. I have done

fundraising for them for 2 years, but I am now interested in expanding that and potentially going on a volunteer assessment trip for them.

We spent the afternoon hearing from the various regional chapters YP activities. These were VERY helpful. There are some great groups out there.

- Gerogia has a great outreach website with links for all ages. This website has information on career paths, a scholarship program, job bank, and even a comedy skit video with YP environmental engineers.
- Ontario has a Facebook site and a video on Youtube for outreach
- Arizona made a short comedy skit to promote their group. They also spent a lot of money to revamp their website. They currently have monthly networking luncheons for YPs. They had a Bowl-a-thon fundraiser and BBQ raffle at the annual conference. They provide speakers and mentors to their student chapters as needed.
- California has a google group for outreach and communication. They also have an internship/jobs database on the website. They held a YP mixer event recently and also a "Water Treatment from your kitchen and beyond" competition.

All presentations at the YP Summit are available at:

<http://www.wef.org/MembershipCareers/MembershipInformation/MAResourceCtr/YoungProfessionalsSummit.htm>

The WEF YPs held a hands on rain garden workshop at WEFTEC in Chicago. This was a very successful event.

Rachel Lee and I gave a 10 minutes presentation on YP activities in CSWEA.

Rachel and I now have some good ideas for things we can do for YPs in CSWEA and Wisconsin in particular. Our first goal is to recruit more YPs into our committee so we have more help. Two people can only do so much! The annual conference would be the best place to do this. I will not be at the annual conference, but I'm going to work with Rachel and I'm hoping we can get someone to man a booth there to collect information on young people and inform them of our activities. I am currently helping Jay Kemp with planning for YP activities at the 2010 annual conference. I have several good ideas for that now. We will probably be doing a Brewers outing again this year. That has been a really successful event in the past.

I had a great time in Las Vegas and met a lot of great people. Thanks for giving me the opportunity to grow myself and hopefully to bring back good things for CSWEA.

Spring Biosolids Symposium - Jay Kemp

No report received.

Water/Wastewater Education Association - Tom Mulcahy, Chair

No report received.