



FINAL

JULY 2015 MEETING MINUTES

RMWEA/RMSAWWA Joint Water Reuse Committee / WaterReuse Colorado

July 9, 2015 at 1:00 pm

City of Aurora Municipal Center

15151 E. Alameda Parkway, Aurora, CO

Aurora Room; 1st Floor (SE corner of Municipal Center)

Call in number 888-809-4012, Passcode 7641593#

Attendees:

Dave Takeda	MSK Consulting
Damian Higham	Denver Water
Steve Ravel	HMM
Frank Johns	Tetra Tech
Wes Martin	Plum Creek Water Recl.

Richard Leger	Aurora Water
Bret Eastberg	Westminster
Brenley McKenna	Denver Water
Jason Assouline	CH2MHill
Bob Anastasov	Aurora Water

Phone Participants:

Allegra DeSilva	CDM Smith
John Whitler	WRF
Liz Lemonds	CDPHE
Tanja Rauch-Williams	Carollo

Tara Kelley	Colo. Springs Utilities
Maureen Egan	CDPHE
Jodi Villa	Kennedy Jenks

1. CDPHE-WQCD Items

a. Regulation 84 Updates

- i. Update on possible new uses effort/WQF workgroup (Damian) – Denver Water submitted a rationale form for the Water Quality Forum Retreat. The proposal includes new uses (i.e. toilet flushing, decorative fountains, and edible crops) and a one water concept approach. Separate workgroups for each item could be established. Updates about the retreat will be provided at the September meeting.
- ii. Discussion about UPC and agronomic rate requirements (Damian) – CDPHE has changed the requirements for the UPC's as policy 21 states. Liz stated that the Division is now requiring agronomic rates for specific vegetation types for sites that have less than 90% turf to be consistent with policy 21. Damian noted that this type of data on several plant species, including native grass seed blends is not currently available. He has had several conversations with agronomists who have been unable to determine an exact agronomic rate. Liz and Maureen stated that they will be relying on the users to get this type of information from experts. The Division is planning a brownbag lunch event in August, this topic will be covered. Liz noted in the interim, general aggregate agronomic rates from an agronomist will be sufficient, or a requested variance in the NOA would be supported by the Division until data

was available. A pilot project could be warranted to quantify nitrogen uptakes for blends of native grasses, and other plant types.

- b. Graywater Non-Traditional Uses Update (Tara) - No update. This item will be removed from future agendas, though the subcommittee will continue to monitor the status.
- c. Other Items –Colorado Springs completed a study under groundwater permitting rules for reclaimed water impoundments, Tara will share the outcome of the study at the September meeting.

2. Subcommittee Updates

- a. Scholarships (Tanja) – The deadline for scholarship applications has been extended into July due to the small number of applications received. Tanja noted that a lower number of applications is expected due to the smaller number of students (10-15) directly involved with reuse related research in Colorado. Due to the length of academic programs and smaller numbers of students involved, Tanja suggested that 1 scholarship be offered instead of 2 in the future. The scholarship committee has been formed and it is expected to announce awards at the AWWA Conference in Loveland. Though, it was discussed that this event might not be appropriate as it is not a WRCO sponsored event. Dave will work with Abbey to identify other venues to support the awards, possibly during the treaters award ceremony that will be held in September in Castle Rock. Tanja also mentioned that she participated in a conference call with other large universities in the state to develop an internship program that would help connect students with utilities. The timing for implementing this program has yet to be determined.
- b. Website (Steve) – new members: CDM Smith, Anadarko – Anadarko is not currently on the website and will need to be added. Other updates include a new director for the City of Westminster as Bret Eastberg and a new director for Denver Water as Brenley McKenna.
- c. Education/Outreach/Public Relations:
 - i. Managing Salinity documents (Richard) – No update
 - ii. Inter-organizational activities (Laura) – On hold, focus efforts on WSRA grant
- d. Annual Awards (Abbey) - Pushed back to September after normal meeting
- e. Industrial Reuse Committee (Abbey) – No update
- f. Potable Reuse (Dave)
 - i. Potable Reuse Guidelines Update (John) – The guidelines/regulatory framework developed by the National Water Research Institute (NWRI) and WRA are under technical peer review. The final document should be available at the end of the summer.
- g. WRCO WSRA Grant (John) –WRCO is gathering support in other basins, though with some pushback from the S. Platte basin, with the potential for less return flows. There will be a small group meeting in August. Other efforts include the original grant

application for framework with a decision tree and case studies and separate regulatory framework. Original plans has included a pilot plant project to be incorporated with education and outreach but these will now be standalone topics. WRCO has budgeted \$10,000 for this grant.

- h. Membership (Richard) – No update
- i. Regulations/Local Codes (Tara) – No update
- j. Reuse Roundtable (Damian) – The timing for this event will be in January to coincide with the Colorado Water Congress winter session. The fermentation program at CSU is interested in brewing beer with recycled water for the event. Though, timing is not ideal for the January date to have the beer ready. Pathogen issues will also need to be addressed. Additionally, the CSU hospitality department has offered to provide the service for the food. The event will need a keynote speaker and Melissa Meeker will be in town and might be able to attend. Alternative speakers were identified as Rich Nagle, Bob Johnson, Mark Malone, or Dr. Jay Garland (EPA). It was noted that it would be beneficial if regulators from out of state could attend and provide insight for table topic conversations.

3. Other Business

- a. CWA/SDWA Nexus Workgroup (Damian) – No update
- b. State Water Plan (Laura) – The newest draft of the plan was posted on July 2nd. It is unknown if WRCO comments were incorporated into the latest draft.

4. WRCO Items

- a. Approve May 2015 minutes and financials (Dave)
Motion: Frank
2nd Richard
The motion passed unanimously
- b. WRCO Treasurer's Report for this Month (Jena) – See attached financials. Jena has been unavailable, Dave will take on the responsibilities until she is available or, until her term ends in January.
- c. Tracking of Approved Motions/Actions (Laura) – No update

5. WRCO Business

- a. Summary DPR Workshop in May 2015 (Dave) - Over 60 people attended the workshop, including several visiting from out of state. Regulators from California were unavailable to attend but the Texas regulators (TCEQ) provided insight into the permitting processes involved with El Paso and Big Spring. There has been no requests to the CDPHE for this type of permitting. To date, no utilities in CO have identified plans to implement DPR. There was a division between the attendees that supported RO treatment and those who

did not. Other ideas that were suggested at the meeting included a implementing a pilot plant.

- b. Review 2015 Strategic Plan (Dave) – see attached 2015 Strategic Plan – Status of 2015 Action Items: WRSA grant is getting good traction, Industrial Oil/Gas item to go on back burner. It was stated that this group should have more of a presence at relevant conferences and events, increased engagement with users, gain a better understanding of long time users. Additionally, Brenley will be looking to form a group that will look at other education and outreach opportunities, if you are interested in participating, let Brenley know.
- c. Social Media Policy (John) – To be discussed in at September meeting.
- d. Update on WRCO archives and Dropbox (Laura) – This has been set up. This item will be removed from future agendas.
- e. New WRCO pins (Richard) – No update

6. WRA/WRRF Items

- a. WateReuse Association (WRA) updates (Richard) - Richard sent directors a letter regarding the association updates for membership goals, new members, financials, research, and overall updates to the association direction. There was a 90% renewal for the association and an 89% renewal rate for foundation members. A current research project '*Creating a Roadmap for Bioassay Implementation in Reuse Waters: A cross disciplinary workshop*' currently needs reviewers. If you are interested in reviewing this project, please contact Richard.
- b. Legislative/lobbying effort update (Damian) –No update
- c. Research (John) -13 projects are currently being funded at a cost of ~\$6 million, of those 13 projects, 8 are funded through a DPR initiative. The research topics include regulatory, treatment, and monitoring. Other projects include developing curriculum and content for DPR operator training.

7. AWWA/RMWEA/WEF Items

- a. AWWA Water Reuse Committee Updates (Tara) - Will plan on quarterly calls. Water Resources Sustainability Division is offering the OASIS award for water resource sustainability. Nominations being accepted now. Group is discussing hosting or co-hosting a Direct Potable Reuse Conference. See attached list of deadlines.
- b. WEF Water Reuse Committee Updates (Frank) – There was a quarterly call in May, with a focus on internal coordination and technology design committees. The next meeting will be in August.

8. Upcoming Activities

- a. Summer Water Congress, August 19-21, 2015 – Vail, CO
- b. COGA Rocky Mtn Energy Summit, August 24-27, 2015 – Colo. Convention Center
- c. RMSAWWA/RMWEA Joint Annual Conference, September 13-16, 2015 – Loveland, CO
- d. 30th Annual WaterReuse Symposium, September 13-15, 2015 – Seattle, WA
- e. WEFTEC, September 26-30, 2015 – Chicago, IL
- f. Sustaining Colorado Watersheds, October 6-8, 2015 – Beaver Creek, CO – This could be a good event to present on a reuse topic, though it could be too late to submit an abstract for this year's event.
- g. Water Smart Innovations, October 6-10, 2015 – Las Vegas, NV
- h. Water Infrastructure, October 13-16, 2015 – Bethesda, MD
- i. WQTC, November 15-19, 2015 – Salt Lake City, UT
- j. AWWA Int'l Potable Reuse Symposium, January 25-27, 2016 – Long Beach, CA
- k. Water Congress, January 27-29, 2016 – Hyatt DTC
- l. Sustainable Water Management, March 7-10, 2016 – Providence, RI

9. Future Meeting Schedule

September 3	Plum Creek
November 5	City of Aurora
TBD	Strategic Planning

WaterReuse Association WaterReuse CO - Balance Sheet

As of July 9, 2015

Jul 9, 15

ASSETS	
Current Assets	
Cash	
Cash	67,728.47
Total Cash	<u>67,728.47</u>
Total Current Assets	<u>67,728.47</u>
TOTAL ASSETS	<u><u>67,728.47</u></u>
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Other Current Liabilities	
2400 · Pre-Paid Dues	
2408 · Pre-Paid Dues - WaterReuse CO	43.50
Total 2400 · Pre-Paid Dues	<u>43.50</u>
Total Other Current Liabilities	<u>43.50</u>
Total Current Liabilities	<u>43.50</u>
Total Liabilities	43.50
Equity	
3210 · WaterReuse CO Reserves	51,452.17
Net Income	16,232.80
Total Equity	<u>67,684.97</u>
TOTAL LIABILITIES & EQUITY	<u><u>67,728.47</u></u>

WateReuse Association WateReuse CO Income Statement

January 1 through July 9, 2015

Jan 1 - Jul 9, 15

Income	
4050 · Membership	
4300 · MEMBERSHIP DUES	
4311 · 30% of WateReuse CO Dues	14,648.22
Total 4300 · MEMBERSHIP DUES	<u>14,648.22</u>
4325 · State Section Membership	
4325.60 · Colorado	2,500.00
Total 4325 · State Section Membership	<u>2,500.00</u>
Total 4050 · Membership	<u>17,148.22</u>
Total Income	<u>17,148.22</u>
Gross Profit	17,148.22
Expense	
5300 · SECTION EXPENSES	
5800 · WateReuse CO Expenses	
5800.10 · Board Meeting	818.30
5800.25 · Membership Credit Card Fees	97.12
Total 5800 · WateReuse CO Expenses	<u>915.42</u>
Total 5300 · SECTION EXPENSES	<u>915.42</u>
Total Expense	<u>915.42</u>
Net Income	<u><u>16,232.80</u></u>

Action Items for 2015 Focus Areas

Focus Area	Ability to Impact (H-High, M-Medium, L-Low)	Priority (1-High, 2-Medium, 3-Low)
<p>1. Outreach/Coordination with other States/Organizations (WY, NM, other)</p> <ul style="list-style-type: none"> a. Attempt to setup a meeting/gathering at the RMSAWWA/RMWEA Annual Conference b. See what WY is doing in the area of industrial (oil/gas) reuse c. Investigate opportunities at other conferences/events (COGA, industrial treaters, etc.) d. Consider events focused at developers e. Ask members to contact other organizations (see Laura’s list) f. Continue to work with CWCB on the reuse section of the CO Water Plan and reach out to east-slope roundtables. 	H	2
<p>2. Local Research Projects Funded by WRCO</p> <ul style="list-style-type: none"> a. See if upcoming Tailored Collaboration projects from the WRRF have an interest for Colorado utilities/companies. Look for opportunities for in-kind contributions or monetary contribution. b. Look at Denver Water’s proposed Tailored Collaboration project c. Look for opportunities from the Draft State Water Plan – projects that could be funded by CWCB. d. Look for research projects that could combine the resources of CWCB, local utilities, and WRRF. 	H	1
<p>3. More Engagement of Treaters & Users</p> <ul style="list-style-type: none"> a. Recognize users – nominations for local/national awards b. Reach out to potential treaters (review non-members that attended the 2014 workshop, etc.) 	M	2
<p>4. Industrial Water Reuse</p> <ul style="list-style-type: none"> a. Look for presentations on industrial topics for WRCO meetings b. See items 1b, 1c, 2a 	L	1
<p>5. State-Level Legislation</p> <ul style="list-style-type: none"> a. Determine what issues we would like to bring to the legislators and regulators. b. “Reuse Rendezvous” with legislators, potential treaters, users, developers, other stakeholders 	L	2
<p>6. Public Outreach and Acceptance</p> <ul style="list-style-type: none"> a. See 5b b. Presentations at high schools/middle schools and clubs c. Be more active with the press and media 	H	2

Upcoming Deadlines & Events

Membrane Technology Conference & Exposition Call for Abstracts – Deadline June 19, 2015

Utility Management Conference Call for Abstracts – Deadline June 23, 2015

Sustainable Water Management Conference Call for Abstracts – Deadline July 23, 2015

2016 ACE Sunday Workshops – Deadline August 3, 2015

2016 TEC-funded Project Proposals – Deadline September 10, 2015

2016 Webinar Program Proposals – Deadline September 10, 2015

2017 Symposium Event Proposal – Deadline September 10, 2015

2016 ACE Call for Papers (Podium/Poster/Special Topic Sessions) – Deadline
September 17, 2015

Water Infrastructure Conference – October 13-16, 2015 (Bethesda, Maryland)

2016 ACE Call for Papers (Universities Forum & Young Professionals) – Deadline
October 15, 2015

Completed ACE16 Sessions due to AWWA Staff – Deadline November 13, 2015

Water Quality Technology Conference – November 15-19, 2015 (Salt Lake City, Utah)

Potable Reuse & Biological Treatment – January 25-28, 2016 (Long Beach, California)

International Symposium on Potable Reuse – January 25-26, 2016 (Long Beach, California)

Biological Treatment Symposium – January 27-28, 2016 (Long Beach, California)

Membrane Technology Conference & Exposition – February 1-5, 2016 (San Antonio, Texas)

Utility Management Conference – February 24-27, 2016 (San Diego, California)

Sustainable Water Management Conference – March 7-10, 2016 (Providence, Rhode Island)

Annual Conference and Exposition 2016 – June 19-22, 2016 (Chicago, Illinois)