

May 2017 MEETING AGENDA

WaterReuse Colorado / RMWEA/RMSAWWA Joint Water Reuse Committee/

May 4, 2017 at 1:00 pm

Plum Creek Water Reclamation Authority

4255 N US Highway 85, Castle Rock, CO 80108

Call in number: 303-481-7001 (no PIN is needed)

Meeting Attendees:

1	Brenley McKenna	Denver Water	14	David Takeda	MSK
2	Damian Higham (<i>call-in</i>)	Denver Water	15	Alex Gerling	AWWA
3	Weston Martin	PCWRA	16	Bob Jurenko	USBR
4	Laura Belanger	Western Resource Adv.	17	Jason Assouline	CH2M
5	Tara Kelley (<i>call-in</i>)	Colo. Springs Utilities	18	Stefania Hurtado	CH2M
6	Donene Dillow	Colo. Springs Utilities	19	Bret Eastberg	City of Westminster
7	Bob Dye	Meridian Metro District	20	Richard Leger	City of Aurora
8	Abby Antolovich	Xylem	21	Bobby Anastasov	City of Aurora
9	Liz Lemonds (<i>call-in</i>)	CDPHE	22	Shannon Spurlock	Denver Urban Gardens
10	Nathan Moore (<i>call-in</i>)	CDPHE	23	Jason Kerstiens	Geosyntec
11	Lillian Gonzalez	CDPHE	24	Daniela Castaneda	Stantec
12	Melanie Criswell (<i>call-in</i>)	CDPHE	25	Allegra da Silva	Stantec
13	Brandi Honeycutt	CDPHE	26	Kati Bell	Stantec

1. Welcome New Members

Division was able to secure 1.5 FTE to work on reuse
 Brandi Honeycutt – new employee with Division – 1 FTE

Contact info:

Brandi Honeycutt
 Environmental Protection Specialist
 Permits Section
 P 303-692-6357
 4300 Cherry Creek Drive South, Denver, CO 80246
brandi.honeycutt@state.co.us

- Masters research on public opinion of potable reuse and other forms of reuse

Division's role in Reg 84 process

- Compliance continue to be led by Nathan Moore (Nathan.moore@state.co.us) and Liz Lemonds (liz.lemonds@state.co.us)
- Permits continue to be in Lillian Gonzalez (Lillian.gonzalez@state.co.us) group with Mark Pollock (mark.pollock@state.co.us)
- Engineering folks will be involved in Reg 84 and Reg 86 (greywater) – Bret Icenogle (bret.icenogle@state.co.us) and Melanie Criswell (melanie.criswell@state.co.us)
- DPR – Ron Falco (ron.falco@state.co.us) and Tyson Ingels (tyson.ingels@state.co.us)

Division's interest in One Water

- Led by Bret Icenogle
- Offer to come talk to WRCO

2. CDPHE-WQCD Items

a. WRCO/ CDPHE Meeting Download (Donene)

- Meeting was with Donene (CSU), Nathan (CDPHE), Liz (CDPHE), John Rehring (Carollo) and Damian Higham (Denver Water)
- Want to see the agronomic rate before it is posted on the website
 - State is working on a guidance document
- CDPHE requested a WRCO membership list and those working day-to-day on water reuse management
- Liz offered to update WRCO on their Reg 84 plan which is what Lillian just offered
- History of WRCO and Division
 - Long history; need a productive relationship
- Idea to develop a list of roadblocks that regulators, treaters, and customers face with respect to water reuse

b. New Agronomic Rate Guidance (Liz)

- Guidance for Completing Nitrogen Agronomic Rate Analysis for Reclaimed Water Users and Treaters – released on 3/31/17
- She needs to do 50 site visits this summer
 - Wasn't planning to notify users about inspections but can do that if needed; want users present
- Consider the guidance as guidance – there are other methods to determine agronomic rate which could be acceptable
- Propose a possible meeting to describe what an inspection will be like

c. Proposing new uses in Reg 84 (Colorado water reuse regulation) (Brenley)

- There is now an official Workgroup under the Water Quality Forum
- Stakeholder meetings will start this summer with at least a month's notice
- New proposed uses:
 - Toilet flushing
 - Irrigation of edible crops (commercial)

- Irrigation of edible crops (non-commercial)
 - Livestock washdown
 - Plus clarification on:
 - Impoundments
 - Salinity
 - Comment that summer meetings may be difficult for agriculture stakeholders – the group will take this into consideration
- d. Graywater Non-Traditional Uses (Tara)

- There was an update last meeting from the Division
- Significant interest when Denver presented at the Green Building Associations regional conference but no imminent plans (Damian)

3. Gray Water Research Bill Update (Brenley)

- Representative Arndt brought to the Ag committee a couple of weeks ago
- Division was present
- Bill passed through the committee
- CSU wants to use gray water in dormitories for research purposes – allowed
- Denver Water added some additional language so that utilities can do research as well – allowed

4. WRCO Items

- a. Scholarships and Awards (Tara/Abby) – Update
- Haven't received any scholarship applications or award nominations yet but the deadline isn't until 5/31/17
 - WRCO submits our winners to the national award competition; winners are invited (and expected) to attend the WateReuse Symposium
 - ACTION: Send an announcement to the larger distribution list – DONE.
- b. Industrial Reuse Committee (Abby) – Update
- Association canceled the industrial reuse conference due to low registration
 - Abby and Elyse have been trying to identify true goal of the Industrial Reuse Committee (whether to increase membership or serve the needs of industrial reuse entities)
 - Reach out to Abby if you're interested in participating in this dialogue
- c. WRCO DPR Project/Potable Reuse (John) - Update
- 3 elements: regs, outreach, technical planning tools – have been focused on the first 2
 - Regulations
 - Continue to flesh out the regulatory matrix/framework – to illustrate how DPR regulations could be developed – what's the implementable path, including identifying what resources the Division would need; Under CDPHE Reg 11
 - Then look at how that would be implemented
 - Outreach
 - Communication plan will be going out to a subgroup of communication specialists
 - Then the whole work group will discuss how to put it in motion – work plan that will live on beyond the project in a prioritized fashion

- Next workgroup meetings – shooting for late August
- Wrap up by end of 2017

d. Membership Update (Richie) – New member(s)

5 new members

- Woodmoor Water and Sanitation District
- Denver Urban Gardens
- Colorado Water Institute
- Wellstone Innovations
- Wigin Water Technologies

e. Approve March 2017 minutes and financials – Attached

- Approved

f. WRCO Treasurer's Report for this Month (Jason)

- Negative income this quarter because of costs of the DPR project; overall accounts have good reserves (about \$50k)

g. Insurance Renewal (Dave)

- Discuss in July

h. Other

- Sponsoring CDPHE (Lillian, Brandi, and Liz) to attend the Idaho conference

5. WRA/WRRF Items

a. WateReuse Association Updates (Richie)

- Looking for a new Director for WRA; 6 Board slots open at this time
 - Dierdre is in an acting position – she is a contract employee
- Director (Melissa Meeker) is moving to direct Water Environment and Reuse Foundation (WE&RF)
- Hope to have the new Board in place by September 2017

b. Headwaters

- WRCO supported the magazine issue on public health – Fall 2016
- <https://www.yourwatercolorado.org/cfwe-education/headwaters-magazine/fall-2016-public-health>
- See the recent article on water reuse by Alan Best:
 - <https://www.yourwatercolorado.org/cfwe-education/headwaters-magazine/fall-2016-public-health/886-water-on-repeat>

c. Mara MacKillop – Outreach, Education & Public Engagement Coordinator for Colorado Water Conservation Board (CWCB) – (mara.mackillop@state.co.us)

- TAP-IN In – 3 events in Colorado
 - TAP-IN is a reverse pitch innovation challenge that aims to identify the precise problems the water community faces and to engage the entrepreneurial community to come up with innovative solutions. The goal is to build connections across communities to unleash the power of Coloradans collaborating. TAP-IN focuses on shifting problems into potential solutions; creating space for new

ways of thinking; connecting disconnected communities; and ultimately cultivating a vibrant, high-impact water innovation ecosystem.

- Three events are scheduled: (register here: <http://tapinco.org/events/>)
 - June 21--“Source and Cycle,” Denver Metro Chamber
 - Aug. 24—“Cultivate & Produce,” Innosphere, Fort Collins
 - October TBD, “Play & Protect,” Western Slope, TBD
 - Jun 21 – looking into whether we can contribute
 - <http://www.innovationnews.com/Tab-In-Colorado-to-draw-on-state-s-innovation-community-to-solve-water-problems/>
- d. State Section Information Exchange Committee (Laura) – Update, Medical Community Initiative
- e. WRA nationwide investigation about what the medical community (doctors, nurses, etc.) is saying about water reuse if patients ask them about reclaimed water
- Richie is interested in knowing what doctors are being asked about reclaimed water
 - It would be good to present about water reuse at the APHA conference
- f. Research (John)

6. AWWA/RMWEA/WEF Items

- a. AWWA Water Reuse Committee Updates (Alex)
- Potable Reuse Symposium in January 2018 – call for abstracts just closed
 - Sustainable Water Management Conference March 2018 – call for abstracts opened
- b. WEF Water Reuse Committee Updates (Frank)
- WEFTEC – there will be a Sunday workshop on reuse for food and beverage

7. Upcoming Conferences

Title	Organization	Location	Start date	Website
2017 ACE	AWWA	Philadelphia, PA	6/11/2017	https://www.awwa.org/conferences-education/conferences/annual-conference.aspx
2017 Summer AWRA Conference	AWRA	Tysons, VA	6/25/2017	http://www.awra.org/meetings/TysonS2017/index.html
2017 One Water Summit	U.S. Water Alliance	New Orleans, LA - Intercontinental Hotel	6/27/2017	http://www.cvent.com/events/one-water-summit-2017/custom-36-143e6507ae114e39b572c8c0c1eb1c0c.aspx?tw=7C-0F-05-87-03-E9-4E-2F-6A-BF-00-68-B9-E8-42-65
2017 IWA International Reuse Conference	International Water Association (IWA) and WE&RF	Long Beach, CA	7/23/2017	http://iwareuse2017.org/
2017 Annual WaterReuse Symposium	WaterReuse	Phoenix, AZ	9/10/2017	
2017 Rocky Mountain Joint Annual Conference	Rocky Mountain Water Environment Association	Loveland, CO	9/11/2017	http://www.rmwea.org/annual_conference.php

	(RMWEA) & Rocky Mountain Section AWWA (RMSAWWA)			
2017 Tri-State Seminar	Tri-State	Las Vegas, NV	9/26/2017	http://www.tristateseminar.com/events/32nd-annual-tri-state-seminar/event-summary-828b0feb87194839ba92fbc9b31bc31a.aspx
2017 WEFTEC	WEFTEC	Chicago, IL	9/30/2017	http://weftec.org/about/about-weftec/
2017 Intermountain AWWA Annual Conference	AWWA	Sun Valley, ID	10/11/2017	http://www.ims-awwa.org/group/2017AnnualConference
2017 PNCWA Annual Conference	Pacific NW Clean Water Ass	Vancouver, WA	10/22/2017	http://www.pncwa.org/annual-conference
2017 Annual Fall Conference	CA-NV AWWA	Reno, NV	10/23/2017	
2017 Annual AWRA Conference	AWRA	Portland, OR	11/5/2017	http://www.awra.org/meetings/Portland2017/index.html
2017 WWEMA Annual Meeting	WWEMA	Scottsdale, AZ	11/8/2017	
2017 Colorado River Basin conference		Las Vegas, NV	12/16/2017	

8. Future Meeting Schedule

- July 6
 - **Marquez Hall Room 235; Colorado School of Mines**
 - 1600 Arapahoe St, Golden CO 80401
 - 12-1pm regulatory discussion (bring your own lunch)
 - 1-3pm main membership meeting
 - 3-5pm tour of research facilities
 - 5pm happy hour – Golden City Brewery
- September 7
 - **Plum Creek Water Reclamation Authority**
 - 4255 N US Highway 85, Castle Rock, CO 80108
 - 1-3pm main membership meeting
 - Awards ceremony and happy hour tentatively to follow
- November 2
 - **City of Aurora Municipal Center – Aspen Room**
 - 15151 E. Alameda Parkway, Aurora, CO
 - Strategic planning session in morning followed by regular membership meeting in afternoon

Social Media Info:

Facebook: [watereusecolorado](#)

Twitter: [WaterReuseCO](#)

Linkedin: [groups/8230476](#)