

The CIPCA Monitor

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Vol. 10 Issue 1

Introduction to the 2010 Board

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The Colorado Industrial Pretreatment Coordinators Association (CIPCA) is an organization expressly for individuals who have a professional relationship within the Industrial Pretreatment profession.



Please send all questions, comments, and especially **submissions** to:

SCOTT CALDWELL
CIPCA NEWSLETTER EDITOR
4049 NORTH 75TH STREET
BOULDER, COLORADO 80301

E: CALDWELLS@BOULDERCOLORADO.GOV
P: 303.413.7363
F: 303.413.7373



Chair

Al Baker
Lab Supervisor
Centennial Water & Sanitation District
Al has been at Centennial for 25 years and is currently the Supervisor of the water/wastewater lab



Co-Chair

Bill Thomas
Industrial Pretreatment Coordinator
City of Loveland
Bill joined CIPCA in 1992! Prior to coordinating the pretreatment program in Loveland he was an Operator at Loveland's WWTP for 10 years.



Treasurer

Suzanne Renter
Industrial Waste Survey Technician
Metro Wastewater Reclamation District
Suzanne has been employed with the Metro District for the last 7.5 years, with IPT being the last 1.5 years.



Secretary

Vicki Coppage
Pretreatment Coordinator, since 1994
City of Golden
Vicki has been in pretreatment for 22 years with the City of Golden. She was a chemist for the City's water treatment plant and is taking her 2nd term with CIPCA.



Issues

Gerry Fitzgibbons
Industrial Pretreatment Specialist
City of Fort Collins
Gerry has 25 years experience in Industrial Pretreatment with the City of Fort Collins, and has been in CIPCA since its inception.



Education Chair

Natalie Plegge
Pretreatment Specialist I
Littleton/Englewood WWTP
Natalie graduated from CSU in 2007 and started her career as an operator at Plum Creek Wastewater Authority. She has 2 years of pretreatment experience.

Newsletter Editor

Scott Caldwell
IPT Field Specialist
City of Boulder
Scott Caldwell graduated from Western State College in 2008 and has been in pretreatment with the City of Boulder for 1.5 years

View from the Chair

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Al Baker

CIPCA Chair, Centennial Water and Sanitation District

I can still remember the 70's and 80's when we only had 14 regulated drinking water parameters and our method detection limits were still in parts per million! I think most of you will agree that our jobs have gotten a bit more complicated since then. The environmental regulations that have been put in place have improved the discharges of treatment plants and industrial discharges to a point where they seemed to be under control. Recently we seem to be experiencing a new wave of regulations that will affect us all in one way or another.

Our current water and wastewater treatment plants depend mainly on biological organisms or fairly simple chemical treatment processes that aren't able to reduce pollutants down to the part per billion levels that are being proposed. As a treatment community we all seem to be discussing spending millions of dollars to remove a half a part per billion of one thing or another.

At our wastewater treatment plant we have been looking into some options to reduce the amount of selenium and phosphorus levels we discharge. Once you start evaluating the treatment processes it is amazing how intertwined the regulations are and just how complicated our environmental world really is. If you choose ferric chloride or sulfate to remove selenium and phosphorus you also have to be concerned about exceeding the chloride and sulfate limits that have also recently been added to your discharge permit. Other treatment options may involve producing brine that no one seems to know what to do with or getting a treatment process that is cost prohibitive to operate.

In addition to, or instead of revising our treatment systems, we may need to focus on where our contaminants of concern are coming from. All humans cause "pollution" in their day to day activities and we are usually the main source or cause of the problems we may be facing. We may have to think more about product bans or changing the way we do things in our day to day activities.

Some of the questions that we may need to address include: How can we soften our water without discharging tons of salt (chloride) to the wastewater plant? Do we want to have melted roadways thanks to the tons and tons of salt applied each year (again more chloride)? How about regulating the dentist discharges to parts per trillion mercury levels while at the same time our power generating plants produce tons of mercury each year? Are bans on lawn fertilizer or limits on the amount of phosphorus in your laundry or dishwashing detergent coming soon?

Hopefully the public will be understanding and cooperative as we may be forced to make some tough choices that will help solve some of our emerging problems in the water treatment and industrial pretreatment industry. One thing I think we can be sure of – we will have steady employment and will always have new challenges ahead of us!

"... Good luck and good work for the happy mountain raindrops, each one of them a high waterfall in itself, descending from the cliffs and hollows of the clouds to the cliffs and hollows of the rocks, out of the sky – thunder into the thunder of the falling rivers."

-John Muir from "Nature Writings: My First Summer in the Sierras."

Coors Tour!

Beer! (and water issues) –Scott Caldwell

Beer may in fact be the oldest and most widely consumed alcoholic beverage throughout the world, but it wouldn't exist if we didn't have clean fresh water. Water is used throughout the brewing process, be it preparing the wort, washing or sparging the grains or boiling the hops.

These are all things you learned if you participated in the MillerCoors Brewery tour offered to CIPCA members in December of 2009. These opportunities are always fun and informative!

Why is this important you might ask? Well . . . Vicki Coppage Pretreatment Coordinator of the City of Golden and Environmental Specialist Chris Naber gave a presentation on Golden's wastewater management system.

The City of Golden does not have a treatment plant to treat waste from the city. Instead, they have an agreement with MillerCoors that allows Golden to send their domestic sewage to Coors for treatment at their general wastewater treatment plant. In exchange, Golden provides MillerCoors with excess water rights or pays for treatment. In addition to the general wastewater treatment plant, MillerCoors has a process water treatment plant to treat wastewater from the brewery. Both of these wastewater treatment plants are visible from 44th Avenue and Hwy 58.

Domestic sewage for Beer, A fair trade thinks this editor!

“Not all chemicals are bad. Without chemicals such as hydrogen and oxygen for example, there would be no way to make water, a vital ingredient in beer.”

-Dave Barry



Meet a Member!



Caleb Vannice

Caleb grew up in Morrison, CO and attended Bear Creek High School. He married shortly after graduation (see picture above for his beautiful family!). Caleb entered the workforce rebuilding and inspecting bridge cranes and then traveled the country as a gang mechanic with Union Pacific Railroad until he finally landed at the Littleton / Englewood WWTP in October of 2001.

Caleb has worked for Littleton / Englewood for the last eight and a half years, eight of which he was a process maintenance mechanic where he repaired and rebuilt the equipment that is essential to plant operations. Caleb always had an interest in Pretreatment so when an opportunity presented itself Caleb made the decision to take a new job in Pretreatment.

Caleb Participates in Operations Challenge and is a veteran member of the National Championship team, the Commode Commandos.

When Caleb has free time he spends it with his family and playing music. He enjoys singing, and playing the guitar, cello, and violin with his 3 daughters. He also enjoys metal fabrication, cooking, theology, geo-politics/world events, and of course, good 'ol conversation!

Caleb has been listening to Dream Theater, Johnny Cash, Niel Diamond, Mozart, Audioslave, Handel, Bach, Muse and “old timey” Gospel music lately.

As a new member to CIPCA, Caleb looks forward to gathering different approaches and perspectives on sector control management.

Al Garcia

US EPA Region 8, Water Program Office of
Pollution Prevention / State & Tribal Assistance

Is everyone tired of the snow yet? Not me, my favorite season is winter. I love sliding down the mountain, either on my snowboard or other parts of my body. I do have some funny crashes...

A short update from EPA Region 8 Pretreatment Office...man that sounds official. I have been really busy this year helping to support and improve local Pretreatment programs by performing audits, providing compliance assistance, and discussing issues with personnel throughout Region 8. It has been really informative to me to see the issues that programs encounter throughout the region. I have had a lot of phone conversations with other regional Pretreatment coordinators, Headquarters, and have performed research of the regulations to provide clarity regarding certain Pretreatment issues.

When I perform audits of local programs, I try to find opportunities to provide compliance assistance, whether this be training on sampling, inspections, the Industrial Waste Survey, permit writing, etc. or in-depth discussion on the intent of the Pretreatment Regulations. I believe that this is a priority to help support and improve programs. Also, of course, I evaluate local programs from top to bottom, to the best of my ability. My intent during an audit is to provide an oversight perspective on your program and identify areas that must or should be improved upon to eliminate weaknesses and vulnerabilities in your program. The goal of every local program should be to have a consistent and strong program based on a solid foundation.

During an audit, these areas will be identified and addressed in the audit report; however, you do not have to wait until an audit is performed to evaluate your programmatic components: legal authority, local limits, SOPs, ERP, etc. I am available and will provide compliance assistance to help you with the evaluation and/or updates of these areas.

I will be discussing common issues I find during my audits of Region 8 local programs at the 2010 EPA-R8PA Pretreatment Conference in Grand Junction from May 25-27, 2010. This will be an opportunity for you to hear about these issues and discuss these with me or your peers. Hopefully, this will allow you some time to evaluate your program and work on these issues (if needed) prior to EPA visiting for an audit. See you there!!

Preliminary 2010 Effluent Limitation Guidelines Plan –

Effluent guidelines are national regulations that control the discharge of pollutants to surface waters and to publicly owned treatment works (POTWs). Effluent guidelines are specific to an industry. EPA writes effluent guidelines for all types of industrial discharges -- from manufacturing, agricultural, and service industries. This notice also provides a status update on three studies supporting the Agency's review of effluent guidelines: Coalbed Methane Extraction, Unused Pharmaceutical Management in the Health Care Industry, and Ore Mining and Dressing. Finally, this notice also discusses plans for conducting the 2010 annual review of existing effluent guidelines. The Preliminary 2010 ELG plan was published in the Federal Register on December 28, 2009. Go to the following website to access this FR notice: <http://www.epa.gov/waterscience/guide/304m/index.html>.

The Airport De-icing Effluent Guidelines were published in the August 28, 2009 Federal Register [Volume 74, Number 166, pp.44675-44718]. The proposed effluent guidelines are not establishing categorical Pretreatment standards but instead only propose direct discharge standards. Would this proposal lead airports to discharge to your local POTW? The original comment period ended December 28, 2009 and had had been extended to February 26, 2010 to combine with the comment period of the preliminary 2010 ELG plan. I am available if you want to discuss these further.

CINTAS Tour!



Eddie Trevino
City of Greeley Industrial Pre-Treatment Technician

On Thursday, February 18, 2010, at 1 pm, CIPCA held its general membership meeting at the Water Pollution Control Facility ("WPCF") in Greeley. The meeting was hosted by the Industrial Pretreatment Program's Joe Kunovic, Bob Alexander and Eddie Trevino. Following the meeting, a tour of the local laundry facility, CINTAS, was scheduled for the members.

The meeting began with a discussion of the by-laws and the changes that were made. A vote on whether to accept those changes was put before the membership. An overwhelming majority voted to accept the new by-laws. A question that raised a concern was the language regarding the definition of a POTW. The concern involved the POTW for Golden. The question was: Is Golden or does Golden have a POTW as defined by the Clean Water Act? Since Coors maintains the actual facility and Golden provides the conveyances or sewer lines to get the sewage to the Coors wastewater treatment facility, there was debate on how to recognize Golden as a POTW. There was going to be some follow-up on that definition.

The tour of CINTAS started at 2 pm, with half of the members going to CINTAS, and the other half were treated to a brief tour of our facility. Everyone was provided a Fact sheet about CINTAS and their permit requirements. Brad Darby, General Manager for CINTAS, greeted the first group and provided some background information on CINTAS. Ken Guertner, the plant manager, gave a brief safety overview and then the tour began. CINTAS is a leading laundry cleaner in the US and saw that the future of detergents was in non-nonylphenol based products. Therefore, CINTAS changed over to the new detergent and saw that it didn't cost more, provided better cleaning and was better for the environment.

The tour was short because the laundry facility is not very large, but very efficient. The second group arrived at 3 pm and the first group went back to the POTW and took a short tour of our WWTP with emphasis on our Ultra Violet disinfection building.

Our Thanks go out to the generous people of CINTAS for the time they took with CIPCA!

The minutes from the general membership meeting can be found online at [CIPCA.org](http://cipca.org)

"Nothing in the world is softer and weaker than water; but, for attacking the hard and strong, there is nothing like it! For nothing can take its place. That the weak overcomes the strong and the soft overcomes the hard, this is something known by all, but practiced by none."
- LAO TZU from the TAO TEH CHING

Note: Updated by-laws can now be found online at:
<http://cipca.org/uploads/information/CIPCA%20By-Laws%202010.pdf>



C I P C A

COLORADO INDUSTRIAL PRETREATMENT COORDINATORS ASSOCIATION

Striving to make the environment a cleaner, safer place for today's and future generations.

A Very Special Thank You to the Following:

Al Baker

CIPCA Chair, Centennial Water and Sanitation District

Al Garcia

US EPA Region 8, Water Program Office of Pollution Prevention /
State & Tribal Assistance

Eddie Trevino

City of Greeley Industrial Pre-Treatment Technician

Caleb Vannice

City of Littleton/Englewood

Dave Louch

R8PA Chair, City of Littleton/Englewood

Without your contributions we would have no Newsletter!

EPA/Region 8 Pretreatment Association Workshop

Dave Louch R8PA Chair

It is that time of year to prepare for the Region 8 Pretreatment Association's Annual Workshop! Many of you have received Al Garcia's e-mail announcing this year's workshop. It is packed full of good training and is in a great location, Grand Junction, CO. We would like to encourage all CIPCA members to consider attending if possible. There is no requirement to join the association to attend the workshop, although it may be encouraged! Yes, you can have dual citizenship, "I do", says Dave Louch, Chair of the R8PA. By signing up for the association you will receive all e-mails and other announcements sent out from R8PA.

The EPA/R8PA will host the 2010 Pretreatment workshop from May 25 – 27, 2010 at a cost of \$175.00. The cost of the workshop includes three days of training and select meals.

The 2010 workshop agenda and registration is available online and can be found by following this link:

<http://www.r8pa.com/>

We look forward to seeing everyone at this year's R8PA workshop!

Upcoming CIPCA Events

Stay tuned because there may be an opportunity to tour Roche Pharmaceutical Company in Boulder, CO. Roche Pharmaceuticals is considered a leader in the development and production of peptides and other medicinal compounds. Roche Colorado is one of only four Roche pharmaceutical research and/or production facilities in the U.S. This will be a first come first serve event as spaces will be limited. More details will follow so stay tuned! The tentative tour date will be April 15, 2010.

Help Your Editor!!

Now is the time for improving the CIPCA Newsletter to better suit the needs of our general membership.

Would you like to see a classifieds section? You could post Pretreatment jobs to a pretreatment audience!

All Ideas are welcomed!
All Entries are encouraged!

Please submit articles, without content there is no newsletter and we are always willing to showcase new work!

SCOTT CALDWELL
CIPCA NEWSLETTER EDITOR
4049 NORTH 75TH STREET
BOULDER, COLORADO 80301

E: CALDWELLS@BOULDERCOLORADO.GOV
P: 303.413.7363
F: 303.413.7373