



**Cooperative Public Agencies of Washington County  
Minutes for December 12, 2013**

**Members Present:**

**Chair, Mark Crowell, City of Cornelius  
Jim Bateman – City of Lake Oswego  
Ted Claussen – Clean Water Services  
Cathy Claveria – Tualatin Valley Fire & Rescue  
Deb Dalenberg – Washington County DLUT  
Dale Fishback – Tualatin Valley Water District  
Melissa Koons – City of Tualatin  
Steve Lampert – City of Hillsboro  
Mel Schultz – City of Beaverton  
Debbie Vuylsteke – Tualatin Valley Fire & Rescue**

Chair Mark Crowell called the meeting to order at 9:14am. The meeting took place at 2025 SW Merlo Court, Beaverton, Oregon.

**INTRODUCTIONS**

All members present and our guest Brett Laney, introduced themselves.

**HOST PRESENTATIONS**

Brett Laney, Process Analyst II, from Clean Water Services presented on the Ostara Technology Process, which involves making a pelletized fertilizer out of the waste stream of the treatment plant.

There are currently two Nutrient Recovery Facilities, Durham Treatment Plant located in Tigard and Rock Creek Advanced Wastewater Treatment Plant located in Hillsboro. In 2009, when Clean Water Services and Ostara opened the Durham facility it was the first commercial nutrient recovery plant in North America.

To meet discharge criteria on the Tualatin River, the facilities must treat phosphorus. A common challenge is that phosphorus and other nutrients from the sludge handling processes are recycled within the wastewater facility, which adds to the operating costs and takes up plant capacity. Additionally, phosphorus, ammonia, and magnesium become highly concentrated in the sludge-handling process and cause the formation of struvite. The struvite formation coats pipes, valves, and other equipment which reduces flow capacities and increases maintenance requirements.

The Nutrient Recovery systems at the plants are designed to reclaim nutrients that Clean Water Services would have to remove from wastewater to protect water quality in the Tualatin River, ultimately creating a commercial product Ostara's Crystal Green.

Crystal Green is the world's first slow-release, environmentally-safe fertilizer made from phosphorus, magnesium and nitrogen, unique for its renewable source of phosphorus – wastewater. The struvite nutrients form in layers, like a pearl, which led to the technology to name it Pearl® Nutrient Recover Process.

There are multiple benefits to these two facilities, including:

- Phosphorus recovery
- Pollution reduction
- Reduced chemical use
- Revenue generation from the sale of Crystal Green
- Increased wastewater treatment facility reliability and capability
- Reduced operations and maintenance costs
- Reduced greenhouse gas emissions through reduced energy usage
- Potential generation of carbon credits

## **FINANCIAL REPORT**

Mark Crowell reported the current balance of \$9,624.15 ending November 30, 2013.

Mark thanked Debbie Vuylsteke for her many years of providing accounting services to CPAWC. She will retire from Tualatin Valley Fire & Rescue on December 31, 2013 after 32 years. Mark presented Debbie with a gift card with our best wishes.

Mark also thanked Cathy Claveria for taking over the accounting duties on behalf of CPAWC.

Debbie and Cathy gave a brief report on the accounting status and said the balance sheets look good. Cathy will check to see which organizations have paid.

## **COMMITTEE REPORTS**

### **Fleet**

No report.

### **RDPO Update**

Jim Bateman had no report from the committee, but did say that Lake Oswego transferred VMS trailers to Oregon City.

### **Storm/Sanitary**

Ted Clausen reported that this committee has not met, but plans to reschedule a meeting to January 8<sup>th</sup> or 9<sup>th</sup>.

### **Training**

No report, but members present shared the following. Deb Dalenberg stated that Washington County is planning to offer a Portland State University Business Communication Certificate Program in January or February. The courses may include Business Writing, Effective Presentation Skills, Business Communication, Communication for Leaders and each course will last two days. Cost will be determined by number of participants. More details to follow.

Deb also announced that there will be a T2 Flagging class in January.

Mel Schultz spoke about a Conflict Resolution class the City of Beaverton may have in the future. It is currently being offered as an in-house program for employees, but they may offer it to others.

Jim Bateman reminded everyone about the option of having CDL testing done at your facility. Contact him for details.

## **OLD BUSINESS**

### **Workshop Debrief**

Everyone present participated in a discussion about the workshop.

Finances: Debbie Vuylsteke and Cathy Claveria spoke about the finances of the workshop and how we came out a couple hundred ahead, even with the higher speaker fees, this in part due to the contribution of the City of Hillsboro. They also said that from their perspective the ability to have participants pay online went smoothly. Both Mark Crowell and Melissa Koons noted that some participants had problems locating the link to pay since it was a new process, and Cathy thought that next year it may be possible to have a link on the front page of TVF&R's website front page to assist.

Speakers: All agreed that the speakers did a great job. All the feedback was very positive.

Format: Excellent, including having the guest speaker at the end have a more engaging, energetic style.

Food: Very good.

Venue: Excellent as always. Thank you City of Hillsboro for the venue and for the staff support time. Steve Lampert suggests that we look for other possible options for either next year or future years to lighten the burden of having only one agency host such a large event, all present agreed that this was something to look into.

## **NEW BUSINESS**

### **2014 Meeting Schedule**

Sign up for 2014 Meeting Schedule was distributed at the meeting and partially completed. Melissa Koons agreed to email it out to complete the schedule.

## Nominations for 2014 Chair / Vice Chair

Mark Crowell nominated Steve Lampert for Chair for 2014, Ted Claussen seconded the motion, motion carried, and Steve accepted.

Discussion about Vice Chair position, but decided to wait until January meeting.

On behalf of all members, Ted Claussen presented outgoing Chair Mark Crowell with an award plaque in thanks for his service in 2013.

Mark Crowell presented Melissa Koons with a gift card with his thanks for serving as Secretary during his tenure.

## **CPAWC AT WORK**

### **City of Beaverton**

Mel Schultz reported that City of Beaverton loaned a 45ft bucket truck, small roller and trailer mounted air compressor to THPRD, borrowed a trailer mounted leaf vacuum from Hillsboro, and borrowed de-icing services from Washington County.

### **Clean Water Services**

Ted Claussen reported that Clean Water Services returned TVWD water truck that they had borrowed for three months.

### **City of Cornelius**

Mark Crowell reported that City of Cornelius borrowed staff and equipment from Forest Grove Light and Power to auger a hole, borrowed two light towers from Washington County, loaned a vactor truck to ODOT, and plan to borrow a vactor truck from Forest Grove due to theirs undergoing service.

### **City of Hillsboro**

Steve Lampert reported that City of Hillsboro has been awarded a \$100,000 instant response vehicle (truck) and a VM board through UASI Federal Grant/RDPO. They also loaned a trailer mounted leaf vacuum machine to City of Beaverton.

### **City of Lake Oswego**

Jim Bateman had no sharing to report other than the previously reported transfer of VMS trailers to Oregon City. He did report briefly on Lake Oswego's use of Mag Chloride which generated a general discussion on tank inspection and who still has a supply on hand.

Melissa Koons reminded members that they are able to complete their sharing form on the CPAWC website. It is necessary to complete a sharing form to be included in the Sharing Log as more detailed information is required than what we share around the table.

The meeting was adjourned at 11:20am.

## **2014 CPAWC MEETING SCHEDULE**

<b>Date</b>	<b>Hosting Agency</b>	<b>Location</b>
January 9, 2014	TVWD	1850 SW 170th Ave, Beaverton
February 13, 2014	Washington County LUT/Walnut Center	1400 SW Walnut Street, Hillsboro
March 13, 2014	City of Tigard	8777 SW Burnham St, Tigard
April 10, 2014	City of Lake Oswego	4101 Kruse Way, Lake Oswego
May 8, 2014	City of Cornelius	1300 S. Kodiak Circle, Cornelius
June 12, 2014	City of Hillsboro	142 SW Maple, Hillsboro
July 10, 2014	City of Beaverton/Public Works Facility	9600 SW Allen Blvd, Beaverton
August, 2014	No Meeting	
September 11, 2014	Tualatin Hills Park & Rec District	6220 SW 112th Ave, Suite 100, Beaverton
October 9, 2014	City of Tualatin/Operations Facility	10699 SW Herman Road, Tualatin
November 12, 2014	CPAWC Fall Workshop – Wednesday? - TBA	
December 11, 2014	Clean Water Services	2025 SW Merlo Court, Beaverton