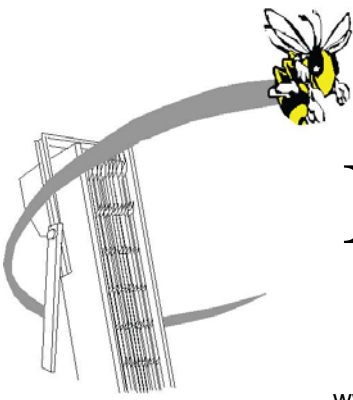


December 2017



BARSCREEN BEE

The Official Newsletter of the Northern Sacramento Valley Section
of the California Water Environment Association



www.cwea.org/nsv

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Email: Newsletter.Editor.CWEA.NSVS@outlook.com
(530) 224-4319 or email:
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Web site manager:
Nolan Randall
(530) 244-3558
WWW.CWEA.ORG/NSV

The Barscreen Bee is a
publication of the Northern
Sacramento Valley Section
of the California Water
Environment Association.



CWEA Northern Sacramento Valley Section

2018 Annual Awards Banquet



Saturday, January 20, 2018

Rolling Hills Casino

2655 Everett Freeman Way

Corning, CA 96021

5:00 -9:00 pm

\$30.00 Per Person

No-Host bar and Dinner

5:00 No-Host Cocktails

5:30 Opening Program

6:00 Dinner

6:30 Award Presentations

7:00 Installation of Officers

7:30 Door Prizes - Of Course, Additional Prizes Always Welcome

Please RSVP by Wednesday, January 10th, 2018

Email or Call Ryan Bailey, City of Redding

rbailey@cityofredding.org or (530) 224-6030

The first ever CWEA Northern Sacramento Valley Section, Young Professional Night on Thursday, November 30, 2017 was a success. 15 CWEA members spent about an hour and a half meeting with the two teachers of Shasta College's Water and Wastewater Treatment classes and 10 of their students.

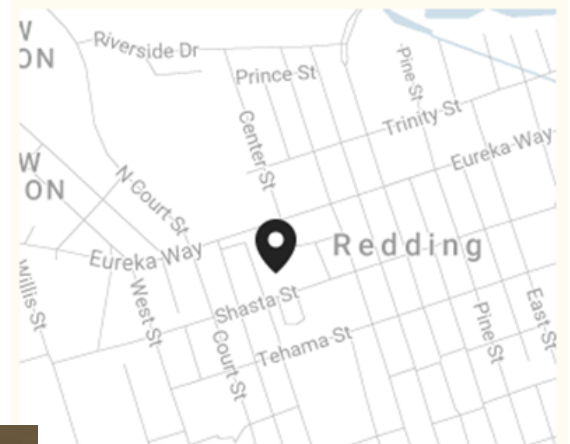
We are fortunate in Redding to have one of the few junior college Water and Wastewater programs in the North State. CWEA bought the appetizers and attendees enjoyed one of Redding's newest local microbrewery restaurants.

Students interested in the wastewater industry, wastewater professionals, and members of the California Water Environment Association were all included.

We have since received positive feedback from this event and may turn it into an Annual Fall Social. Holding a similar event in the Chico area is also in the works for 2018.

WOODY'S BREWING IS LOCATED AT:

1257 Oregon Street
Redding, CA 96001



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Just in case you missed this class in Redding, it is coming to Sacramento
on Wednesday Jan 10, 2018

Back by Popular Demand

COLLECTION SYSTEM SPECIALTY WORKSHOPS

Less Risk, More Rewards When Managing California's Sewer Systems



Today, sewer professionals are under extreme pressure from all angles; new regulations, delayed maintenance, impacts from the record drought and now sudden storms. CWEA along with the State Water Board present four regional workshops to bring together California's professionals to discuss what everyone is facing and talk about what has been working.

Join your fellow sewer professionals and State Regulators for an in-depth discussion of Sewer Management Plans, as well as enforcement actions and ideas for new approaches to managing risks. These workshops are an amazing chance to learn, network and ask questions to get ahead of all of the looming challenges the industry is facing. These sessions are a great opportunity for your facility's up-and-coming team members to prepare them to start thinking as leaders of the future.

After attending this workshop, participants will be able to:

- Describe trends and findings from recent SSMP enforcement case
- Utilize specific strategies for handling an enforcement inspection
- Identify how to handle NGO lawsuits
- Apply the latest best practices for SSMP refinement and updates

Who should attend:

- Agency leaders
- Collection system leaders
- Sewer workers interested in advancing to supervisor/management
- Engineers and support staff
- Regulatory affairs staff
- Local regulators

Wednesday, November 29th

**City of Redding
Corporation Yard**

20055 Viking Way, Building #4
Redding, CA 96003

Wednesday, December 6th

**Community Room
Vista Civic Center**

200 Civic Center Dr.
Vista, CA 92084

Tuesday, December 12th

**City of Coachella
Corporate Yard**

53-462 Enterprise Way
Coachella, CA 92236

Wednesday, January 10th

Tsakopoulos Library Galleria

828 I Street
Sacramento, CA 95814

Earn up to 6 CWEA contact hours towards Collection System Maintenance, Environmental Compliance Inspector, Laboratory Analyst, Mechanical Technologist and Electrical & Instrumentation recertification.

VISTA EARLY BIRD RATE DEADLINE IS NOVEMBER 17, 2017

Supporting Partners:

The early bird dates will vary by location.



COLLECTION SYSTEM SPECIALTY WORKSHOPS

Less Risk, More Rewards When Managing California's Sewer Systems

Workshop Program Sacramento | January 10

7:30	Registration/Coffee/Light Snack
8:15	Welcome, Opening Remarks and Today's Agenda
8:25	SSS-WDR Lessons Learned and Moving Forward What's been learned? What is the vision moving forward? Enforcement Policy discussion? Jim Fischer, Enforcement
9:15	Break
9:25	RWQCB Compliance Approach and Enforcement Case Studies Review Inspection Report, O&M gaps noticed, Enforcement Calculation Sheet, and Economic Benefit Analysis Michael Chee, Region 2, Compliance and Enforcement Kari Holmes, Region 5R, Compliance and Enforcement
10:15	Break
10:25	The Next WDR Update – Issues for Consideration: Discusses issues being discussed for inclusion for the next WDR update. Diana Messina, Section Chief, Surface Water Permitting Section, State Water Board
11:15	Break
11:25	Optimizing Collection System Program Performance Practices an agency can employ to manage and improve collection system performance with limited resources through resource optimization, use of technology, and targeted/timely maintenance. Andy Morrison, Union Sanitary District (Retired)
12:15 p.m.	Lunch & Networking
1:00	Improving Collection System Asset Management Practices Practices an agency can employ to use CCTV data to drive decision-making and focus both human and financial resources. Michael Flores, HDR
1:50	Break
2:00	Agency Case Study – The Journey to Mature and Well-Functioning Data and Information Management Walks through how an agency evolved to the point of well functioning data and information management and the lessons learned along the way. Rich Cunningham, Public Works Manager, San Francisco Public Utilities Commission & Albany (Retired)
2:55	Closing Remarks

Schedule subject to change

DISCLAIMER: CWEA and its Board, members, and volunteers are not responsible for the actions of speakers or the contents of their papers, and no endorsement is implied or given of any persons or their philosophies, ideas, or statements, nor of any products or processes, nor of any organizations or companies who volunteer to serve as speakers at the conference or exhibitors who purchase display space in the exhibit hall.

CWEA is not responsible for theft of or damage to personal or agency/company property whether intended to be used for CWEA purposes or not.

COLLECTION SYSTEM SPECIALTY WORKSHOPS

Less Risk, More Rewards When Managing California's Sewer Systems

Registration Form Workshops sell out, please register early. Registration includes lunch.

Early Bird Rates

- ☐ Member \$125
☐ Non-Member \$215

Early Bird Dates

Redding (due by 11/10/17)
Vista (due by 11/17/17)
Coachella (due by 11/21/17)
Sacramento (due by 12/21/17)

Regular Rates

- ☐ Member \$155
☐ Non-Member \$245

Select Location

- ☐ Redding 11/29/2017
☐ Vista 12/6/2017
☐ Coachella 12/12/2017
☐ Sacramento 1/10/2018

☐ Full-Time Student - No Cost (Provide proof of college attendance w/minimum of 9 units.)

Name of School: _____

PLEASE PRINT OR TYPE INFORMATION (attach form with additional attendees)

NAME FOR BADGE: _____

FIRST NAME: _____ LAST NAME: _____

TITLE: _____

AGENCY/COMPANY: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

PHONE: _____ E-MAIL: _____

EMERGENCY CONTACT: _____ EMERGENCY PHONE: _____

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Special Services: ☐ Please check here if you require special accommodations to fully participate.
Attach a written description of your needs and return it to CWEA 30 days before the conference.

Dietary restrictions: ☐ Please check here to indicate dietary restrictions _____

Please indicate payment method: ☐ CHECK ☐ PURCHASE ORDER (attached)

☐ VISA ☐ MASTERCARD ☐ DISCOVER ☐ AMEX

Name of Account holder: _____

Account number: _____

Expiration date: _____ Billing zip code: _____

SIGNATURE: _____

Registration Options:

1. Register online at mycwea.org

2. Send registration form and payments to:

CWEA Workshops

7677 Oakport Street, Suite 600, Oakland, CA 94621-1935

Fax (510) 382-7810

Please make checks payable to: CWEA 2017 COLLECTIONS

REGISTRATION QUESTIONS?

Contact MEMBER SERVICES: 510.382.7800 x160

Need help?

We're here for you!

Contact:

Member Services

510.382.7800 x160

memberservices@cwea.org

Sponsorship questions?

Contact: Alec Mackie

Dir. of Communications

510-382-7800 x114

amackie@cwea.org

VISTA EARLY BIRD RATE DEADLINE IS NOVEMBER 17, 2017

Supporting Partners:

The early bird dates will vary by location.



CALIFORNIA WATER ENVIRONMENT ASSOCIATION NORTHERN SACRAMENTO VALLEY SECTION

Training Day Report November 29, 2017
Collection Systems Specialty Workshop, Redding, CA

On Wednesday, Nov 29th, twenty four wastewater professionals and 7 expert volunteer speakers participated in a one-day specialty workshop on Wastewater Collection Systems in Redding.

Attendance included local staff from Redding and City of Shasta Lake, as well as CWEA members from Hamilton City, Pace Engineering, Quincy CSD, City of Orland, City of Oroville, and our counterparts from the North Coast Section's City of Fortuna.



Thank you to all who came from near and far to make this training day a success.

The speakers were overheard saying that this was the best group of students with the most lively discussions and sharing of knowledge and ideas that they have had yet!



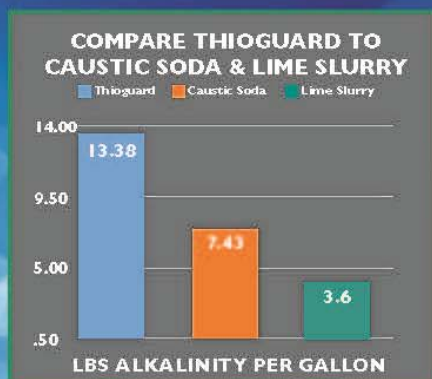
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CALIFORNIA WATER ENVIRONMENT ASSOCIATION NORTHERN SACRAMENTO VALLEY SECTION

Training Day Report September 19, 2017 Yuba City

The first presentation, “Utilizing Natural Biological Process to Enhance In-Situ Sludge Digestion”, was by Grace Corbino, President of Blue Frog Technology. <http://www.bluefrogssystem.com/> Blue Frog produces a product that basically turns sludge lagoons into digesters, reducing the expense of dredging sludge. They have had several successful installations of their product in wastewater treatment plants throughout California, Texas, and North Carolina. Blue Frog units operate as a continuously selective tank reactor (CSTR), selecting for the correct bacteria to “bio-dredge” lagoons. If your wastewater treatment plant is facing a high cost dredging project, the Blue Frog system may be able to save money, save electricity, and eliminate odors.



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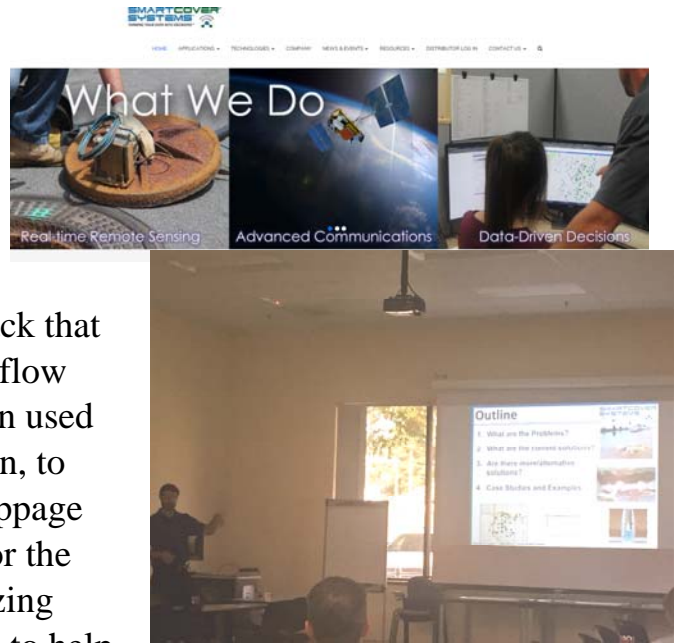


2218 Railroad Avenue
Redding, California 96001

voice 530.243.7234
fax 530.243.7494
info@basiclab.com

Training Day Report (continued)

The second presentation, “Utilizing Remote Monitoring in Wastewater Collection Systems”, was by Brogan Quist, Regional Sales Manager for Smart Cover Systems. The Smart Cover systems have an ultrasonic flow level indicator with a 2 year battery pack that connects to the under-side of a manhole lid and sends flow data by satellite to a website. These systems have been used to track sewer systems with high inflow and infiltration, to find sewer lines that are beginning to experience a stoppage and prevent a Sanitary Sewer Overflow, and to monitor the actual flow in a sewer line to reduce the need for upsizing sewers unnecessarily. The monitors are one more tool to help sewer collection system staff understand their system. These systems are especially useful to monitor remote manholes where access can be difficult.



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The third presentation was by Kevin Peters, Sales Engineer with R.F. MacDonald Co. titled, “i-Alert 2, Simple and Easy Equipment Health Monitoring”. The i-Alert-2 monitor attaches to a piece of wastewater treatment equipment like a pump and monitors the temperature and vibration of the equipment. The device sends information via Bluetooth connection to your smart phone when you are within 100 feet from your little blue monitor box.

The Bluetooth signals save time and energy because you don't have to get too close to moving and rotating parts of the machines, but can quickly detect misalignment and bearing problems with your equipment **BEFORE IT BREAKS DOWN!**



Larry G. Tolby

Vice President

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Training Day Report (continued)

The final presentation of the morning was by Akram Botrous, PhD from Stantech Corporation titled, “Aeration Systems for Activated Sludge”. Mr. Botrous described aeration systems at a wastewater treatment plant as the most energy consuming process that we encounter, using approximately 50% of the total energy use in the plant. If wastewater staff can learn to optimize the aeration system, we can save power, which equals saving money. He described the “OTR”, Oxygen Transfer Rate” of a wastewater plant. He also went on to describe the increases in efficiency that can be achieved with a closer (denser) diffuser configuration and with smaller bubbles.



Akram Botrous

Stantec , Edmonton · Environmental Management

Environmental Engineering, Civil Engineering, Biosystems Engineering

Doctor of Philosophy



David Jenkins

Title Professor in the Graduate School
Department Department of Civil and Environmental Engineering
Faculty URL <http://www.ce.berkeley.edu/faculty/faculty.php?name=Jenkins>
Email jenkins@ce.berkeley.edu

Finally, I'd like to give a big Thank You to a legend in the world of wastewater treatment. Dr. David Jenkins, PhD from U. C. Berkeley and his lovely wife

happened to unexpectedly join us today for training and lunch. You just never know who you will see at a local section training day!

NSVS Calendar of Events

Board meetings held at 10:00 a.m.,
Italian Cottage Restaurant
2234 Esplanade, Chico.
Members always welcome.

Jan 20, 2018 Awards Banquet, Rolling Hills Casino. 5:00-9:00 pm

Feb 20, 2018 Board Meeting

March 20, 2018 Training

April 10, 2018 Board Meeting

May 22, 2018 Training

June 19, 2018 Board Meeting

July 17, 2018 Training

Aug 14, 2018 Board Meeting

Sept 18, 2018 Training

Oct 16, 2018 Board Meeting

Nov 13, 2018 Training

Dec 11, 2018 Board Meeting



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2018 Annual Awards Banquet



Saturday, January 20, 2018
Rolling Hills Casino
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Corning, CA 96021
5:00 -9:00 pm
\$30.00 Per Person
No-Host bar and Dinner

Please RSVP by Wednesday, January 10th, 2018
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