

September 2020



BARSCREEN BEE

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



<http://nsvs.cwea.org/>

NSVS EXECUTIVE BOARD

President

Ted Couch
Jacobs Engineering
(530) 229-3388
Ted.Couch@jacobs.com

Vice President

Josh Vandiver
City of Redding
(530) 224-6069
jvandiver@cityofredding.org

Secretary-Treasurer

Brianna Barton
Carollo Engineers
(916) 576-4718
BLBarton@carollo.com

Past-President

Ryan Bailey
City of Redding
(530) 224-6030
rbailey@cityofredding.org

1-Year Director

Laci Heggstrom
City of Yuba City
(530) 822-7687
lheggstrom@yubacity.net

Newsletter Editor
Tracy Wyhlidko

Email:
Newsletter.Editor.CWEA.
NSVS@outlook.com

(530) 224-4319
or email:
twyhlidko@cityofredding.org

<http://nsvs.cwea.org/>

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

Welcome to Online Training Wednesday, September 23, 2020 10:00 a.m.—12:00 p.m.

The training day will be held online, via MS Teams.
The link to join the call, and phone call-in information
is provided below:

Join Microsoft Teams Meeting

+1 323-886-6924 United States, Los Angeles (Toll)
Conference ID: 611 956 336#



Microsoft Teams

**If you would like to receive credit hours for the training day,
please fill out the Google Form, located [here](#).**

Questions? Please contact:

**Ted Couch, President or Tracy Wyhlidko, Newsletter Editor
(see sidebar for contact information)**

10:00 Odor Issues and Remedies at City of Yuba City Lift Stations
Tim Bybee, Sewer Collections Supervisor, City of Yuba City and
Nate McCready, Plant Maintenance Supervisor, City of Yuba City

**11:00 Sustainable and Future-Proof: BioDrying and Pyrolysis Systems for
Biosolids Management and PFAS Removal**
Valentino Villa, Co-Founder and Chief Operating Officer, Bioforcetech

**Attendees of technical sessions will be issued Continuing Education
contact hours toward CWEA Technical Certification and/or
SWRCB education points toward wastewater certification.**

To find out if a class qualifies for CWEA continuing education in your area of certification,
go to the CWEA web site:

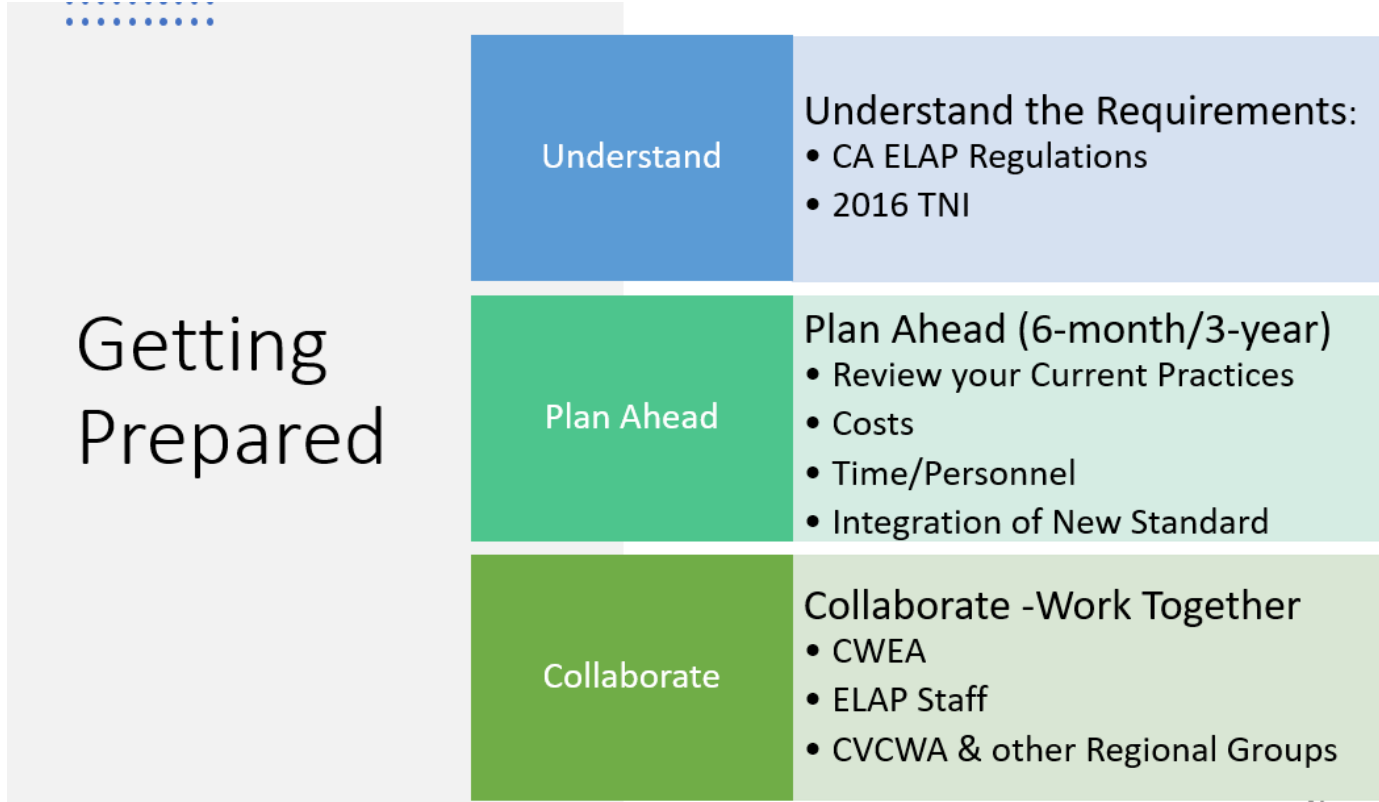
<http://www.cwea.org/pdf/tcp/TrainingRelevancyList.pdf>

All wastewater relevant sessions count as one education point per 50 minute presentation for the purpose of
SWRCB operator certification.

Online Training Day Summary July 29, 2020

Debbie Webster, Executive Officer for CVCWA (Central Valley Clean Water Association), gave a very informative presentation of how to prepare and plan for the upcoming TNI/ELAP laboratory certification changes. Highlighting the major differences of what the Nelac Institute's TNI standard is and what was implemented by the State of California, she laid out the "roadmap to accreditation" as well as the types of accreditation and the fees that are associated with Fields of Testing (FOTs). It is a complicated process that will most likely impact every environmental lab in the state to implement new procedures to comply with increasingly strict laboratory standards.

For more info, contact Debbie at eofficer@cvcwa.org



NSVS Calendar of Events

Wed, 9/23/20 Training ONLINE

Wed, 10/14/20 Board Meeting, Berry Patch, Orland 10 a.m. or ONLINE

Wed, 11/11/20 Possible training day or board meeting, Berry Patch or ONLINE

Wed, 12/9/20 Board Meeting, Berry Patch, Orland 10 a.m. or ONLINE

Since March 13, 2020, Board Meetings have been held online. Prior to Coronavirus, most board meetings were held at 10 am at the Berry Patch Restaurant at 900 Newville Rd, Orland, CA 95963

Members are always welcome to attend the board meetings.

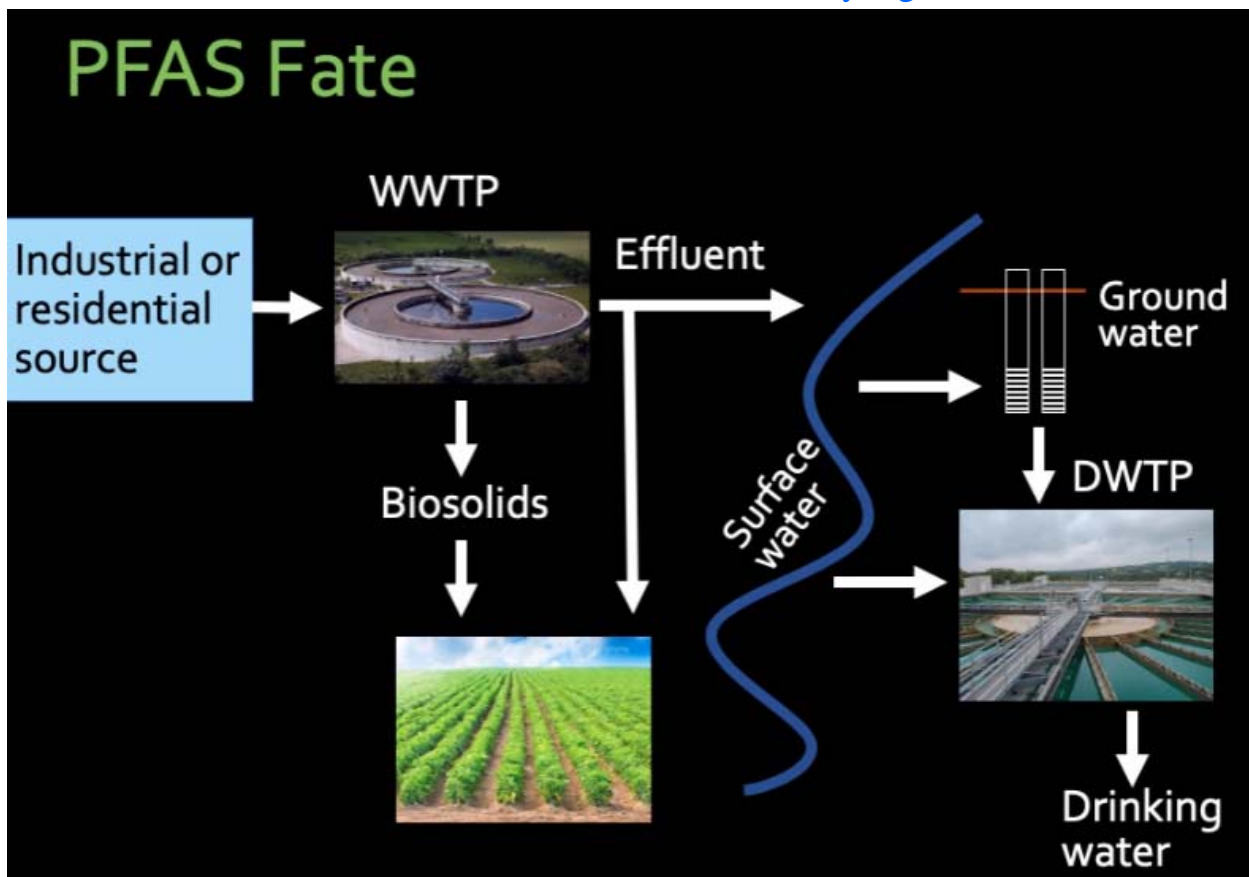
Contact twyhliko@cityofredding.org or 530-224-4319,

or any of the NSVS Executive board members

For location or login information to board meetings.

Online Training Day Summary July 29, 2020, continued

Tom Bruton, PhD gave a great presentation about the history and effects of PFAS/PFOA. He highlighted the prevalence and exposure to people and the environment, including testing results and health concerns. Carpet, fast food containers, Teflon, and many consumer products contain PFAS and are a significant source of human exposure. Many industries have recognized the problems with PFAS and are going away from the use of these compounds. Activated carbon and reverse osmosis can be effective treatment steps to remove PFAS from water, but are extremely expensive to build and operate at a municipal scale. The most recent order imposed by the state of California requires PFAS sampling at POTWs, requiring 4 quarters of testing beginning in the 4th quarter (October) 2020. What flows into the POTW comes out in effluent and biosolids, as the biological process does NOT remove PFAS. Longer chain PFAS seem to settle out better in biosolids, whereas the newer “replacement” chemicals are more subject to pass through in the effluent. Wastewater agencies will need to examine the presence of PFAS to determine if treatment plant processes will need to be adjusted and if biosolids land application is a viable disposal option for the foreseeable future. For more info, contact Tom at Tom@GreenSciencePolicy.org



G3 Engineering, Inc.

Water and Wastewater Equipment

G.J. (Jim) Billings III, PE
President

PO Box 2148
Granite Bay, CA 95746
jim@g3engineering.com

Phone 916-797-1880
Fax 916-797-1881
Cell 916-838-3913

www.g3engineering.com

GLADDING, McBEAN

601 7th Street
Lincoln, CA 95648
Phone: (916) 644-9315
Cell: (707) 689-8181
Mike.Blumenstein@gladdingmcbean.com
www.gladdingmcbean.com

Mike Blumenstein
Pipe Sales Manager
*Last ad
Renewal due
See last page for ad
renewal information*



a division of PABCO clay products, LLC



OUR WORLD IS CHANGING.
OUR PASSION REMAINS THE SAME.

carollo
Engineers...Working Wonders With Water®

WATER
OUR FOCUS
OUR BUSINESS
OUR PASSION

Change is happening at a pace we've never seen before. Climate change, sea level rise, cyber threats, aging infrastructure...and now an unprecedented health crisis from a global pandemic. Anticipating change and managing our most precious resources through these conditions has become a daunting task. For more than 85 years Carollo has delivered innovative solutions to meet today's challenges while being adaptive to an unknown future. By never wavering from our singular, passionate focus on water, we can meet the challenge of change head on, and help build a better world for generations to come.

1.800.523.5826 | carollo.com

JOB POSTINGS on CaWaterJobs.com, as well as City and County websites:

City of Redding

- Industrial Waste Analyst, Compensation: \$4,941 to \$7,127 Monthly, Application due by 9/22/20
- Public Works Maintenance Worker, Regular Full-Time Positions \$22.31 - \$23.43 per hour, Full-Time /Part-Time Temporary Positions \$13.37 - \$17.18 per hour, Continuous application to create a new eligibility list. Formerly eligible applicants must re-apply to remain on the list.
- Wastewater Plant Operator:
 - Wastewater Plant Operator - Grade III \$26.89-\$34.32/hr,
 - Wastewater Plant Operator - Grade IV \$27.56-\$35.17/hr
 - Wastewater Plant Operator - Grade V \$28.25-\$36.05/hr,Continuous application to create a new eligibility list. Formerly eligible applicants must re-apply to remain on the list.

Fall River Valley Community Services
District General Manager
Fall River Mills, CA, USA Full Time
Compensation:
\$60,000 to \$100,000 Annually

City of Yuba City Wastewater Treatment
Facility Operator III
Yuba City, CA, USA Full Time
Compensation: \$6,048 to \$7,350 Monthly
+ Excellent Benefits
Application due September 16, 2020.

County of Colusa
Assistant Director of
Public Works/Road Commissioner
\$103,200– \$132,132
Open Until Filled
Review Date: July 10, 2020



Water and Wastewater
Process Equipment

MARK HUMBERSTONE

T 925.225.1900

C 925.785.1602

*Last ad
Renewal due
See last page for ad
renewal information*

mhumberstone@miscowater.com

www.miscowater.com



*Complete engineering services
with attention to individual
client needs since 1976*

THOMAS W. WARNOCK, P.E.
PRINCIPAL ENGINEER

1730 SOUTH STREET
REDDING, CA 96001

(530) 244-0202
Cell (530) 355-9612

e-mail: twarnock@paceengineering.us



Alex Ambrosi

(P) 415-460-6393 (F) 415-460-6395

alex@aquadyneassociates.com

www.aquadyneassociates.com

710 C Street, Suite 200
San Rafael, CA 94901

IT'S AWARD NOMINATION TIME AGAIN! Due Oct 31st.

1) Visit the website

<https://cweaawards.secure-platform.com/a/page/awards>

2) Find Category information

4) Click APPLY button on category page

5) *Log in using the same credentials as MyCWEA.org* (typically you log in with your email address and your CWEA membership number as the password)

6) Fill Out Application

7) Click **Save and Finalize** to submit

- **Collection System of the Year**

Given in recognition of outstanding maintenance programs, regulatory compliance and safety & training procedures. Awards are given in three categories: Small, Medium and Large.

- **Collection System Person of the Year**

Recognizes an individual for their innovation and excellence in collection systems maintenance.

- **Community Engagement & Outreach Best Use of Social Media**

Recognizes achievements in promoting awareness and understanding of water quality issues through the use of social media.

- **Electrical Instrumentation Person of the Year**

Recognizes significant contributions to the field and an individual's contribution to CWEA.

- **Engineering Achievement**

Recognizes outstanding projects by an individual, group or agency.

- **Laboratory Person of the Year**

Recognizes involvement in projects that advance the science of laboratory technology and an individual's contributions to CWEA.

- **Mechanical Technician of the Year**

Recognizes outstanding performance, dedication to the job, and for sharing knowledge of maintenance procedures.

- **Operator of the Year**

Recognizes outstanding contributions to the operations of wastewater treatment facilities and the application of knowledge to improve plant processes.

- **Outstanding Young Professional of the Year**

Recognizes professionals who demonstrate excellence in the profession and are under the age of 35.

- **P3S Person of the Year**

Recognizes P3S professionals for exceptional achievement and contribution to the profession while being an active member of the CWEA.

- **Plant of the Year (Small, Medium, Large)**

Recognizes accomplishments in compliance, innovative practices, cost effectiveness, and superior plant performance in small, medium and large categories.

- **Research Achievement**

Recognizes outstanding engineering research by an individual, group, or agency.

- **Safety Plant of the Year**

Awarded in three categories: small, medium and large. Criteria include number of injuries, lost-time accidents, record keeping, in-house training, emergency response and program implementation.

- **Supervisor of the Year**

Recognizes successful mentoring of team members, professional development, and effective communication.

Additional Local Section award categories:

Apply through the "Survey Monkey" links or by email as listed on the next page.

- **Outstanding Service Award**

<https://www.surveymonkey.com/r/Q6FLTTK>

- **Inspirational Award**

<https://www.surveymonkey.com/r/QZCVZCQ>

- **Lifetime Achievement Award**

<https://www.surveymonkey.com/r/QZFHM3>

- **Administrative Professional of the Year**

<https://www.surveymonkey.com/r/Q65L7ZN>

Northern Sacramento Valley Section – CWEA

2020 Individual Award Nomination Form

___ Outstanding Service Award-*NSVS Award* <https://www.surveymonkey.com/r/Q6FLTTK>

___ Inspirational Award-*NSVS Award* <https://www.surveymonkey.com/r/QZCVZCQ>

___ Lifetime Achievement Award-*NSVS Award* <https://www.surveymonkey.com/r/QZFHM3>

___ Administrative Professional of the Year-*NSVS Award* <https://www.surveymonkey.com/r/Q65L7ZN>

**Nominations must be emailed to the address below using this form
or sent by the appropriate "Survey Monkey link"
by October 31, 2020**

All nominees must be members in good standing of the Northern Sacramento Valley Section of CWEA.
Administrative Professional does not need to be a NSVS or CWEA member

Name of Nominee: _____ Title: _____

Employer: _____

Address: _____

Phone Number: _____

Nominator: _____ Title: _____

Employer: _____

Address: _____

Signature: _____ Phone Number: _____

- On an attachment describe why this person/agency qualifies to receive this award. Use specific examples whenever possible. Attach any supporting information.

**E-mail
Applications to:**

**Brianna Barton
Carollo Engineers**

**E-mail: BLBarton@carollo.com
Phone: (916) 576-4718**

JOB POSTINGS on CaWaterJobs.com, City and County websites (continued)

City of Dunsmuir, Lead Wastewater Treatment Plant Operator,

County of Tehama, Engineering Positions:

Assistant Engineer: \$5,371/mo. - \$6,541/mo.,

Associate Engineer: \$5,925/mo. - \$7,222/mo.,

Civil Engineer: \$6,227/mo. - \$7,587/mo.,

Location Tehama County, CA Department Public Works

City of Davis Public Works Maintenance Worker I/II - Temporary Part-Time,
Salary \$3,055.87 - \$4,085.47 Monthly

Location Davis, CA Department Public Works Department



OEM Parts & Service

OEM Rebuild Services and Scheduled Replacements

Maintenance Agreements

On-site Inspections and Troubleshooting

Energy Saving Upgrades



☎ Jeff Rabas, CWP
Aftermarket/Service Manager
✉ jeff@chcwater.com
☎ (303) 710-9426



☎ Casey Rebmann
Aftermarket Sales Assoc.
✉ casey@chcwater.com
☎ (760) 525-6139

Aftermarket Hotline (800) 964-9733 | www.chcwater.com

Last ad
Renewal due
See last page for ad
renewal information

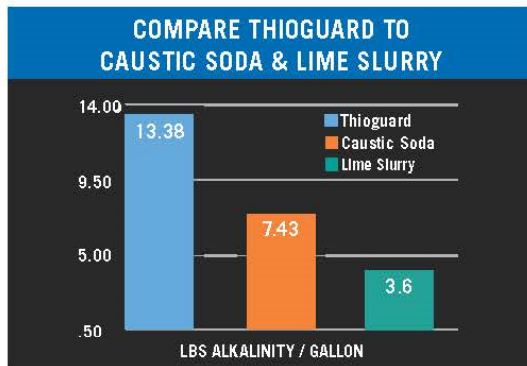
THIOGUARD® ΩMEGA-S

EFFECTIVE, ENVIRONMENTALLY SAFE TOTAL SYSTEM TREATMENT FOR MUNICIPAL WASTEWATER

HARNESS THE VERSATILITY OF MAGNESIUM HYDROXIDE

Improve Odor Control, Improve Nutrient Management
and Eliminate Caustic Usage for Significant Cost Savings

THIOGUARD® Ωmega-S is a safe, industrial-strength milk of magnesia that adds alkalinity and raises pH levels at your treatment plant. In current applications the addition of Thioguard Ωmega-S delivers these measurable benefits:



- Delivers Bio-Friendly Alkalinity
- Improves Nutrient Treatment, Management & Resource Recovery
- Reduces H₂S Systemwide
- Reduces & Improves Biosolids
- Reduces Costs

Thioguard Ωmega-S eliminates struvite scale and optimizes struvite recovery. In addition, it is the only odor control strategy that will have a positive influence on biological nutrient removal and nutrient recovery processes for nitrogen and phosphorus.

To find out how Thioguard Ωmega-S will benefit your system, please call
800.994.8801 or e-mail info@hillbrothers.com



HILL BROTHERS *Chemical Co.*

www.hillbrothers.com • 800.994.8801 • 1675 N. Main St., Orange, CA 92867

OWNED, MINED AND PRODUCED IN THE USA • A PREMIER MAGNESIA, LLC TECHNOLOGY

MORE JOB POSTINGS on CaWaterJobs.com, City and County websites (continued)

CITY OF CHICO

- Assistant/Associate Engineer, Salary \$60,340.80 - \$93,641.60 Annually, Department Public Works, Engineering
- Engineering Technician II, Salary \$43,804.80 - \$60,403.20 Annually, Department Public Works, Engineering
- Industrial Waste Inspector , Salary \$45,968.00 - \$63,377.60 Annually, Department Public Works, Operations & Maintenance
- Wastewater Treatment Plant Operator II or III (Signing Bonus!) Salary \$45,968.00 - \$80,745.60 Annually, Department Public Works, Operations & Maintenance

BUTTE COUNTY

- Director-Public Works, Salary \$152,018.00 - \$185,799.00 Annually, Location Oroville/Chico Area, CA, Public Works Department
- Assistant Director, Public Works, Salary \$112,153.60 - \$150,300.80 Annually, Location Oroville, CA Public Works Department
- Civil Engineer, Associate, Salary \$71,344.00 - \$95,638.40 Annually, Location Oroville, CA, Public Works Department



basic
laboratory

2218 Railroad Avenue
Redding, California 96001

voice 530.243.7234
fax 530.243.7494
info@basiclab.com

*Last ad
Renewal due
See last page for ad
renewal information*

JB**I** Water & Wastewater Equipment
RAY SPRAGUE

TEL: (916) 933-5500
FAX: (916) 933-5573
CELL: (916) 995-5500

www.jbiwater.com
raysprague@jbiwater.com

*Last ad
Renewal due
See last page for ad
renewal information*

MME MUNICIPAL MAINTENANCE EQUIPMENT

Mark Protine

Northern Division Operations
Sales Manager

Mobile: 530-219-4546
mprotine@source-mme.com

4750 Caterpillar Rd., #D
Redding, CA 96003

Office: 530-243-4856
CSLB #980409

)

*Last ad
Renewal due
See last page for ad
renewal information*

Pumps Ragging?

Problem Solved

Case Study: Half Moon Bay CA

Problem:

- Pumps clogging usually twice per week and took 1 hour to clean each pump.
- Risk to employees lifting pumps & exposed to waste, sharps etc.
- Excess energy consumption & high energy bills.

Solution:

- DeRagger+ and Keypad installed in control Panel.
- *Real Time Pump Protection* used to detect rags and run pump reversal via VFD.

Result:

- Energy Savings: 19% or \$500 per month in PG&E bills
- Near complete reduction in ragging.
- Big savings on manpower now effectively utilized rather than for cleaning pumps. Savings at \$735 per month.
- Reduced pump Run Time with clean pump

Total cost savings as projected by sewer authority: \$14,820 per year.

"We found that the energy usage has decreased to approximately 20% which shows a \$500 savings on our PG&E bill. This is besides the fact that we have been able to save manpower and utilize them for other activities instead of the constant cleaning."

- Kishen Prathivadi, P.E, PMP, Sewer Authority Mid-Coastside

DERAGGER



Easy, Fast, and Inexpensive

Call for a free evaluation of your pump ragging problem.



Ponton Industries Inc.

714 998 9073

www.PontonInd.com

info@PontonInd.com



2020
NSVS-Northern Sacramento
Valley Section Advertising



Advertisements in the bi-monthly Northern Sacramento Valley Section (NSVS) “Barscreen Bee” newsletter may be purchased for:

\$75 per year for a business-card size advertisement,

\$150 per year for a half page advertisement (8.5 x 5.5 inches), or

\$300 per year for a full page advertisement (8.5 by 11 inches).

APPLICATION (check one):

NSVS Advertisement for \$75/year _____ or \$150/year _____ or \$300/year _____

DATE: _____

NAME _____

AGENCY _____

TITLE _____

MAILING ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE _____

E-MAIL ADDRESS _____

Submit application and payment to the NSVS Secretary/Treasurer:

Brianna Barton, P.E.

Carollo Engineers, Inc.

2880 Gateway Oaks Drive, Suite 300, Sacramento, CA 95833

D: 916-576-4718, C: 530-391-5805

Email: BLBarton@carollo.com

Make checks payable to: CWEA NSVS

Enclose a business card or submit electronic advertisement (jpg, gif, or pdf) to the Newsletter Editor at:
Newsletter.Editor.CWEA.NSVS@outlook.com.