



Agenda for May 20th, 2025

Time	Location	Address	Presenter	Presenter's Email
7:45 a.m.	Meet at Rowland BLVD Park and Ride Lot in Novato	108 Rowland Blvd, Novato, CA 94945		
8:15 a.m.	Tour Marin Municipal Water District Booster Station	13 Hamilton Drive, Novato CA	Jim Kenney	jkenney@marinwater.org
9:05 a.m.	Travel to SCWA Sonoma Valley Sanitation facility			
9:45 a.m.	Tour SCWA Sonoma Valley Sanitation facility	22675 8th Street East, Sonoma CA 95476	Garett Walker	garett.walker@scwa.ca.gov
10:40 a.m.	Travel to lunch at Sonoma Town Square, Sonoma			
11:00 a.m.	Lunch at Sonoma Town Square	453 1st St E, Sonoma, CA 95476		
11:45 p.m.	Travel to Napa Sanitation			
12:15 p.m.	Tour Napa Sanitation	1515 Soscol Ferry Rd, Napa, CA 94558	Mark Egan, Derrick Metras, Kyle Tahsler	megan@napasan.com, dmetras@napasan.com, ktahsler@napasan.com
1:10 p.m.	Travel to Vallejo Flood and Wastewater			
1:50 p.m.	Tour Vallejo Flood and Wastewater	450 Ryder St, Vallejo, CA 94590	Rob Dorough	dorough@vallejowastewater.org
2:45 p.m.	Travel to Rowland Blvd Park and Ride Lot in Novato			
3:30 p.m.	End at Rowland Blvd Park and Ride Lot in Novato	108 Rowland Blvd, Novato, CA 94945		



BAYWORK Workshop-On-Wheels (WOW) - Facility Visit Plan

PURPOSE: Please provide information on who will be presenting and on the content of your presentation.

I. AGENCY CONTACT:

Name: Jim Kenney

Title: Superintendent of Operations, Water Treatment

Agency: Marin Water

Address: 220 Nellen Ave. Corte Madera, CA 94925

Email address: jkenney@marinwater.org

PRESENTER(S) (if different than agency contact):

Name: Jim Kenney

Title: _____

Email address: _____

Number of employees: 1 employee and remote monitoring

Number of customers served: 191,000

FACILITY CHARACTERISTICS:

Name of treatment facility or system: Ignacio Water Quality Station

Type of facility: Potable Water Treatment/ Distribution
(e.g., Water Distribution, Water Treatment, Wastewater Collections, Wastewater Treatment, Recycling, etc.)

II. INNOVATION OR FEATURED PROCESS:

1. Please describe the innovation or process that you will be demonstrating to the workshop attendees:

We will be review the operations of bringing the water from our local wholesaler up to our current water quality standards to allow for proper blending with in the overall system. This includes the addition of Fluoride, creation on mono-chloramines and the addition of corrosion inhibitors.

Secondarily, we will discuss a recent pilot project we completed where we are moving from 30% Ammonium Hydroxide to 40% Liquid Ammonium Sulfate. This allows us to protect our employees, and the public from a potential hazardous chemical release and removes the regulatory burden of the California Accidental Release Program.

Where we are in the process and our plan forward.__

2. Please select all categories which apply to your process:

X Operations and Maintenance

__ Optimization of existing resources

X Other (please describe): Enhancement of employee and public safety, while maintaining current water quality parameters and reducing regulatory burden.

3. What factors motivated your agency to implement this change, if any?

For the Water Quality portion of the facility, we do to help maintain overall water chemistry throughout the system. The switch to LAS was due to hazard reduction and some reduced chemical costs.

4. What barriers/challenges did your agency encounter in planning and implementing the change?

The water Quality Plant has been in service for many years no real challenges for the facility. For the LAS project we had excellent support from our regulators on the Marin County side as well as the State Division of Drinking Water.

5. What benefits has your agency derived from this process?

From a facility stand point we continue to provide our customers water that is of similar chemistry and water quality regardless of which facility produced it. The LAS Project provided us the ability to remove a hazardous chemical from bulk storage inventory. General safety to our staff and the general public by switching to a non-hazardous alternative product. Allowed us to remove the one facility from the CalARP regulations.

6. How has the change affected staff competencies and training needed?

This has not had any impact on staff competencies or training.

7. What lessons did you learn in the process about what worked and what didn't?

I have been very happy with the results. It solidified relationships between Operations and Engineering. The entire project has been a positive experience.

8. Please add any other information that would be useful to the workshop attendees about your presentation.

Nothing to really add here.

Please return your completed survey to BAYWORK coordinator Sesa Pabalan at spabalan@jvs.org.



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PURPOSE: Please provide information on who will be presenting and on the content of your presentation.

III. AGENCY CONTACT:

Name: __Kevin Booker_____

Title: __W.A. Principal Engineer_____

Agency: __Sonoma Valley County Sanitation District

Address: __404 Aviation Blvd, Santa Rosa CA 95403

Email address: __kevin.booker@scwa.ca.gov__

PRESENTER(S) (if different than agency contact):

Name: Garrett Walker_____

Title: __W.A. Operations Coordinator_____

Email address: __Garrett.Walker@scwa.ca.gov_____

Number of employees: __10_____

Number of customers served: __39,500_____

FACILITY CHARACTERISTICS:

Name of treatment facility or system: Sonoma Valley County Sanitation District __

Type of facility: __Wastewater Collection, Treatment & Reclamation Facility_
(e.g., Water Distribution, Water Treatment, Wastewater Collections, Wastewater Treatment, Recycling, etc.)

IV. INNOVATION OR FEATURED PROCESS:

9. Please describe the innovation or process that you will be demonstrating to the workshop attendees:

Discussion during the tour will cover improvements to the treatment facility and enhancements in the reclamation system, which have enabled the District to supply recycled water for agricultural use, wetland enhancement, and landscape irrigation.

10. Please select all categories which apply to your process:

☒ Operations and Maintenance

☐ Optimization of existing resources

☐ Other (please describe): _____

11. What factors motivated your agency to implement this change, if any?

The District has been in operation since the late 1950s. In 2007, the District started improving its treatment facilities to eliminate or reduce the number of violations that had been occurring. Additionally, the District began supplying recycled water around 1991. With advancements in the treatment process and the expansion of recycled water infrastructure, the District has transitioned from giving recycled water away to making it a valuable resource that is highly sought after.

12. What barriers/challenges did your agency encounter in planning and implementing the change?

The District, like many other agencies, faced challenges with funding and determining overall priorities regarding the best use of limited resources. Additionally, there was a stigma associated with recycled water, leaving only certain users comfortable with its use. To address this issue, the District needed to engage in education and outreach to overcome these barriers and challenges.

13. What benefits has your agency derived from this process?

The District has made improvements to the treatment plant and the reclamation system, enabling the production of high-quality recycled water for agricultural use, wetland enhancement, and landscape irrigation. Additionally, these enhancements have led to a reduction in the number of violations that the treatment plant experienced in the past.

14. How has the change affected staff competencies and training needed?

Yes, as with any new infrastructure, training and a new skill set will be necessary. In some situations, nothing new is required; in others, staff had to learn about new equipment, resulting in the need for training.

15. What lessons did you learn in the process about what worked and what didn't?

16. Please add any other information that would be useful to the workshop attendees about your presentation.

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PURPOSE: Please provide information on who will be presenting and on the content of your presentation.

V. AGENCY CONTACT:

Name: Mark C. Egan

Title: Maintenance Manager

Agency: Napa Sanitation District

Address: 1515 Soscol Ferry Road, Napa Ca. 94558

Email address: megan@napasan.com

PRESENTER(S) (if different than agency contact):

Name: Derrick Metras, Operations Supervisor, dmetras@napasan.com
Kyle Tahsler, Reclamation Supervisor, ktahsler@napasan.com

Number of employees: 55

Number of customers served: Population of Napa is 84,000 with 39,527 connections

FACILITY CHARACTERISTICS:

Name of treatment facility or system: Napa Sanitation District

Type of facility: Wastewater Collection, Treatment, Recovery, Reuse

(e.g., Water Distribution, Water Treatment, Wastewater Collections, Wastewater Treatment, Recycling, etc.)

VI. INNOVATION OR FEATURED PROCESS:

17. Please describe the innovation or process that you will be demonstrating to the workshop attendees:

The District will be showcasing our Bio Solids and Reclamation programs

18. Please select all categories which apply to your process:

X Operations and Maintenance

X Optimization of existing resources

Other (please describe): _____

19. What factors motivated your agency to implement this change, if any?

The District prior to the change was disposing of the Bio Solids in one of our treatment ponds. The Bio Solids were minimizing the capacity of our pond storage system. The ponds are used in our treatment process but also capture extra high flows during the winter rains that exceed our treatment capacity.

20. What barriers/challenges did your agency encounter in planning and implementing the change?

The dewatering equipment was installed in early 2000 but not officially used until 2004. Training was required to operate the equipment for dewatering, as was a complete inspection and maintenance event for the dormant equipment. The district had to purchase a 10 yard dump truck to capture and haul the Bio Solids.

21. What benefits has your agency derived from this process?

The benefits is the Bio Solids work for us. We land apply and allow a farmer to plant a crop for cattle feed which in turn removes the nitrogen from the soil for reapplication. It is not being disposed of in a land fill and we don't have to contract out to a third party to process and dispose of our Bio Solids.

22. How has the change affected staff competencies and training needed?

The Reclamation Division is a smoothly run operation. Staff competencies is extremely high and the training is always on going.

23. What lessons did you learn in the process about what worked and what didn't?

In the early stages in our operation of land applying, the district in the winter time when the fields were wet and land applying was not allowed due to run off. The district would dump the Bio Solids on a gravel pad surrounded by berms and pump the run off back to the plant. In later years the district purchased a piece of equipment that during the winter months the Bio Solids would be put into an ag bag, thus requiring no pumping of the run off and not having to deal with a slurry to land apply when the weather allowed.

24. Please add any other information that would be useful to the workshop attendees about your presentation.

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PURPOSE: Please provide information on who will be presenting and on the content of your presentation.

VII. AGENCY CONTACT:

Name: Nichole Perez

Title: Human Resources/Safety & Risk Management

Agency: Vallejo Flood & Wastewater District

Address: 450 Ryder Street Vallejo, CA 94590

Email address: nperez@vallejowastewater.org

PRESENTER(S) (if different than agency contact):

Name: Rob Dorough

Title: Shift Supervisor

Email address: dorough@vallejowastewater.org

Number of employees: 93

Number of customers served: _120000_____

FACILITY CHARACTERISTICS:

Type of facility: Wastewater collections and
treatment_____

(e.g., Water Distribution, Water Treatment, Wastewater Collections, Wastewater Treatment, Recycling, etc.)

VIII. INNOVATION OR FEATURED PROCESS:

25. Please describe the innovation or process that you will be demonstrating to the workshop attendees:

We would like to talk about our unique lime slaking system that is used in our solids processing.

26. Please select all categories which apply to your process:

 Operations and Maintenance

 Optimization of existing resources

____ Other (please describe): _____

27. What factors motivated your agency to implement this change, if any?

We implemented this change after removing our sludge thickener. This lime system allows us to continue dewatering our solids in a way the supports the beneficial reuse on the district owned farm on Tubbs Island. The use of soaked lime also provides additional advantages, such as enhancing polymer flocculation and reducing odors.

28. What barriers/challenges did your agency encounter in planning and implementing the change?

This product has its own specific safety protocols because of skin, eye and equipment danger. We also have had to do some quality control on our deliveries to ensure that our order of 1/8" lime is truly that size. If not plugging can occur. Lastly lime builds up on the equipment, making cleaning of our belt filter press, gravity belt filter press and drain maintenance more critical.

29. What benefits has your agency derived from this process?

Maintaining high quality class 2 biosolids and enough profit from the farm those biosolids are received at has given our district the benefit of recuperating the cost of our driver salaries and trucks.

30. How has the change affected staff competencies and training needed?

Because our lime system is so involved with specialized parts and automated batching we have more opportunities for cross disciplinary collaboration, a higher level of lockout tag out and a need for better equipment wear/maintenance planning.

31. What lessons did you learn in the process about what worked and what didn't?

We have learned that using a product called "LIMECURE", though expensive, has dramatically reduced cost because it increases the efficiency of the product and reduced lime scale build up.

32. Please add any other information that would be useful to the workshop attendees about your presentation.

Our plant normally receives 10 MGD and is a trickling filter solids contact style plant. We have increased efficiency of our filters by replacing media and incorporating recycle pumps.

Please return your completed survey to BAYWORK coordinator Sesa Pabalan at spabalan@jvs.org.

BAYWORK Workshop on Wheels 2025 Event Survey

1. Your information (optional)

Name:

Company:

2. Did you have any trouble participating in the event? If so, what type of problems did you have?

Check all that apply.

☐ Had trouble getting to the meeting point

☐ Parking

☐ Bus

☐ Food and/or beverage

☐ Gear (i.e. safety glasses, closed-toe shoes)

3. The presenter from Marin Municipal Water District Booster Station facility was knowledgeable and engaging.

☐ Strongly agree

☐ Agree

☐ Neither agree nor disagree

☐ Disagree

☐ Strongly disagree

4. The presenter from the SCWA Sonoma Valley Sanitation facility was knowledgeable and engaging.

☐ Strongly agree

☐ Agree

☐ Neither agree nor disagree

☐ Disagree

☐ Strongly disagree

5. The presenters from Napa Sanitation facility were knowledgeable and engaging.

☐ Strongly agree

☐ Agree

☐ Neither agree nor disagree

☐ Disagree

☐ Strongly disagree

6. The presenter from Vallejo Flood and Wastewater facility was knowledgeable and engaging.

☐ Strongly agree

☐ Agree

☐ Neither agree nor disagree

☐ Disagree

☐ Strongly disagree

7. Overall, this event was both interesting and useful.

☐ Strongly agree

☐ Agree

☐ Neither agree nor disagree

☐ Disagree

☐ Strongly disagree

8. Tell us what you liked about this event (we may use your comments in BAYWORK advertising or communications).

9. What could we improve next time?

10. What topics would you like to see us address in the future?