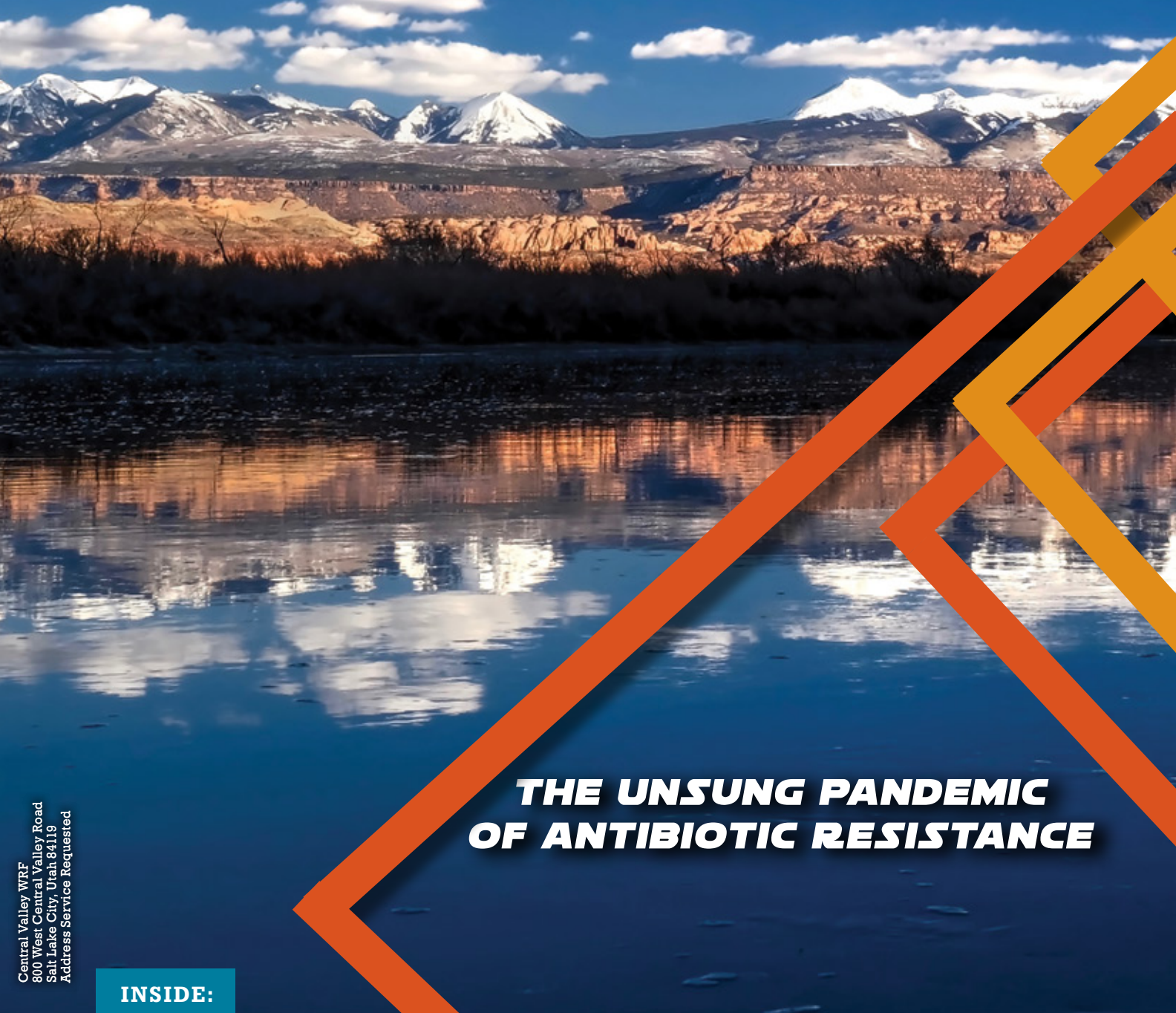


WINTER  
2020

The Official Publication of the Water Environment Association of Utah

# DIGESTED news

*Celebrating 50 Years of Clean Water*



**THE UNSUNG PANDEMIC  
OF ANTIBIOTIC RESISTANCE**

**INSIDE:**

Central Valley WRF  
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SBWRD Celebrates the Completion of the Silver Creek Water Reclamation Facility and Honors Jan Wilking



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SVI<sub>5</sub> comparison of aerobic granular sludge (left) and conventional activated sludge (right)

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Chris Reilley

# Year of Learning Opportunities

**A**right everyone! We've made it through another three months of this crazy year! I used to enjoy the rush of a wild roller coaster ride; but, as I have gotten older, the old body doesn't appreciate the sudden drops and rolls that I once enjoyed. A couple of summers ago, my competitive pride got in the way of proving to my kids that I am still young and full of spunk as we hit the rides at Disney's California Adventures. I ended up with my neck tied up in knots and a headache to boot, but I had to push through as the 'Big Bad Dad'. I wasn't about to show any sign of giving in. I'm not sure this current roller coaster ride we are on is giving any of us the desired rush we are looking for; however, I know that we need to keep pushing through for our families, the communities we serve, and for each other.

One of the phrases we use to keep on the positive side in the workplace and in life with its challenges is: *it looks like I have a learning opportunity in front me*. We are all given opportunities to learn and grow and develop wherever we are. We must not ever lose sight of that vision. We use all kinds of tools and statements to help keep us focused on what is important to us. We might have a vision statement, mission statement, goals, dreams, aspirations, and things that just inspire us. I believe we can find the good in the challenges before us as individuals, families, groups, companies, and as an association. What does this look like? I'm not exactly sure, but I know it starts with each one of us determining where we want to be and how we are going to get there. So, what learning opportunity is before you right now? How can we help each other?



## President's Message

As for me, I am starting with my own personal thinking – that I can and will do better. My thoughts are that I want to help each person in my family improve their situation however I am able. Then, help a friend or neighbor. Each day at work, I want to try to help one co-worker any way that I can. I truly believe this approach will help us to rise together in conquering the challenge placed before us as a learning and growing opportunity! May each of us strive to improve the environment and our surroundings by helping each other and finding the good, positive things we enjoy.

The 2021 Annual Conference is still a “go” for now; but once again, we must be understanding and flexible as we ride the ups and downs of this pandemic with all the restriction that comes with it. We, as a Board, will try to look at the whole picture the best we can to make wise decisions for all our members – for their safety, well-being, learning, and growth. You are all important to us; and as each member has success, we as an association have success. Our GoTo Webinars have been very successful and we will try to keep developing more and also learn how to keep improving them along the way. There have been a lot of people working to help make these available and I really appreciate all their time and efforts. Thanks so much!

Our Annual WEAU Award Nominations are being accepted and we look forward to seeing how you are making a difference.

We know that there are many great members doing extraordinary things and want to recognize as many of you as we can. We have sent out both our operator and our undergraduate application for scholarships. We are excited to review them to see what our people who are working to better themselves within the association are doing with their education. We also want to recognize all our sponsors and their support to our association even through these times of struggle. Each one of the groups that make up who we are as the WEAU, makes a difference in our function as an association.

I hope that each of you are able to spend some quality time with those that you love this holiday season and you're able to take a minute to pause and examine with deep reflection on those things that are most important to you. As we have been quarantined for some time now, I also hope each of you are able to get some of those items off your to-do lists that maybe you just haven't been able to find time to get to. I wish you all a great holiday season and hope to run into you somewhere on this road we are all traveling. Good luck and thanks for serving and working hard to improve our environment one day at a time, one person at a time, the best way we can. [DM](#)

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# “What’s in Your Wallet?”

Bryan Mansell

**A**bout a month ago, I experienced a major life-changing event, but not the kind that requires changing your benefit elections. It was another kind of change that nevertheless affects my day-to-day life: I finally gave up my George Costanza wallet. For those who may be confused because you were born in the Post-Seinfeld era, a George Costanza wallet is a name for one’s wallet who keeps way too many cards, IDs, coupons, receipts, cash, notes, etc. inside – to the point that their wallet becomes a severe ergonomic hazard that risks explosion.

I’ve been a Costanza wallet owner for most of my adult life. It wasn’t a conscious decision. Stuff just built up over time, which I rationalized was worth keeping, similar to how your garage becomes cluttered over months and years until you reluctantly park in the driveway. Once that occurs, you either declutter or else watch with envy as your neighbor pulls into their garage during a snowstorm. I have to admit that I’ve been a little jealous for several years of those who manage to use their smart phone case as a wallet, carrying only a license and a credit card in it. I wonder to myself, “How do they accomplish such simplicity?” My wallet in contrast had a couple dozen ‘just in case’ items in it. Everything from insurance cards to my Top Golf card kept from the first of two outings over the past five years.

Well, I’ve broken loose. I didn’t go to a two-card system – that’s way too gutsy for a ‘be prepared’ boy scout like me. But after



my Costanza wallet went through the wash recently, I did buy a new one that looks almost like a money clip and forced myself to prioritize. I’m down to about five items total and it’s fantastic. I can sit straight, get my wallet out without any underlying embarrassment, and hold it without risking arthritis.

You may be wondering why am I sharing this. First and foremost, if you’re a closet Costanza wallet owner, I highly recommend

you make the leap and skinny up your back pocket. You’ll never look back. Secondly, my experience can be taken as a metaphor for so many silly habits or clutter that we carry through life. Sometimes, it’s really not that hard to break free if you just try. Plus, a global pandemic is a perfect time to make a change that can lighten your load or brighten your day. So, I’ll finish by asking, “What’s in your wallet?” [DM](#)



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# WEAU Collections College Spring 2021 Class Schedule

Date	Chapter	Tests
January 27	1 & 2	Chapter 1, 2, B Math 1, A Math 2
February 3	3 & 11	Chapter 3 and 11, B Math 2, A Math 4
February 10	4	Chapter 4, B Math 4, A Math 5
February 17	5 & 6	Chapter 5 and 6, B Math 5, A Math 6
February 24	8	Chapter 8, B Math 6, A Math 7
March 3		Break: No Class
March 10	9	Chapter 9, B Math 7, A Math 8
March 17 (Turn in test application to DEQ)		Catch up no class
March 24	10	Chapter 10, B Math 8, Mini Review
March 31	2	Chapter 12, Advance practice problems
April 7	13	Chapter 13, UVU review
April 14	14	Chapter 14, 100 question review
April 21		Last minute review.
April 29 (Thursday)		Test. Good Luck!


**T**here is no charge for taking the class but to help defray the cost of printing handouts please bring a ream of paper per person. This will keep Cottonwoods' cost down and help to continue the classes.

Read the Sacramento, Ken Kerri manuals titled *Operation and Maintenance of Wastewater Collection Systems* (most recent addition, Volume 1 & Volume 2). The manuals can be purchased

at the following site, [www.owp.csus.edu/training/courses/waste\\_water/index.php](http://www.owp.csus.edu/training/courses/waste_water/index.php). Do the chapter tests as you read, for example, before January 27 class you should read chapters 1 & 2 and finish the test.

Classes start at 12:30 pm and go until 3:30 pm. Along with the chapter test, you will get two sets of math sheets each week. The B (beginning) math series is for people

just starting out and taking the grade 1 or 2 test. The A (advanced) math is for people who have taken the grade 1 or 2 test and need training for the grade 3 or 4 test.

Taking this class does not guarantee you will pass the test. The more you study outside of class the better your chances are of passing. You can call Lonn at work 801-943-7671 or at home (after hours) before 10:00 pm at 801-410-6378 with questions. 

# Slipping, Tripping, and Falling

Prepared by Lonni Rasmussen

*What you don't want to be doing.*

1. **When falling you should try to break your fall with your hands.**
  - A. True
  - B. False
2. **Which direction is most likely to cause injury, going up the stairs or down the stairs?**
  - A. Upstairs.
  - B. Downstairs.
  - C. Doesn't matter they are the same.
  - D. When changing direction on the stairs.
3. **Even on a dry surface you can slip.**
  - A. True
  - B. False
4. **A floor opening can be protected by a sign, railing or person.**
  - A. True
  - B. False
5. **Fall protection is required when the working height is \_\_\_\_.**
  - A. 8'
  - B. 10'
  - C. 12'
  - D. 14'
6. **All slips, trips, and falls should be reported.**
  - A. True
  - B. False
7. **Which of the following is the leading cause of falling fatalities?**
  - A. Slippery tiles.
  - B. Stairs and steps.
  - C. Tripping over objects.
  - D. Ladders.
8. **You can run a cord across a floor as long as you put up a sign telling passersby to watch out.**
  - A. True
  - B. False
9. **Paying attention to where you are walking is only important when not doing other things.**
  - A. True
  - B. False
10. **You are safest from falls when sitting in a chair.**
  - A. True
  - B. False

**ANSWERS:**

1-B, 2-B, 3-A, 4-B, 5-B, 6-A, 7-B, 8-B, 9-B, 10-B

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A Bear of a Quiz

# Test Your Knowledge on: Everyone's Favorite Math

By Paul Krauth

1. **A 50 ft. diameter tank, fills to 15 feet in 3 hours. What is the pumping rate in cfs?**
  - A. 1.9
  - B. 2.7
  - C. 3.5
  - D. 4.3
  
2. **What is the velocity (ft/s) in an 18-inch pipe flowing full at 600 gpm?**
  - A. 0.60
  - B. 0.75
  - C. 0.80
  - D. 0.95
  
3. **What is the horsepower delivered to the pump if the motor is 92% efficient and the motor draws 30.5 amps on a 120-volt line?**
  - A. 3.3
  - B. 4.5
  - C. 8.2
  - D. 9.8
  
4. **What is the annual cost to run the motor? Given:**  
 A three-phase motor runs continuously is on a 240 volts line  
 Amperage draw = 32.3 amps  
 Assume power factor of 0.87  
 Cost per kWh = 5¢
  - A. \$2,800
  - B. \$3,000
  - C. \$3,400
  - D. \$3,800
  
5. **What is the daily dose of FeCl<sub>3</sub> in pounds? Given:**  
 Flow is 7.45 MGD  
 FeCl<sub>3</sub> dose is 4.95 mg/L  
 FeCl<sub>3</sub> is 37% available  
 Weight of FeCl<sub>3</sub> is 11.60 lbs/gallons
  - A. 270
  - B. 310
  - C. 640
  - D. 830
  
6. **What are the gallons needed per day?**
  - A. 25
  - B. 50
  - C. 75
  - D. 100
  
7. **If FeCl<sub>3</sub> cost \$2,100 per 1,500 gallons, what is the annual cost to dose?**
  - A. \$19,000
  - B. \$38,000
  - C. \$54,000
  - D. \$75,000

8. **How many pounds of TSS are captured? Given:**  
 Plant flow is 1 MGD and the influent TSS is 200 mg/L  
 Effluent from primary clarifier is 100 mg/L  
 Piston pumps 2 gallon per stoke at 50 stokes per minute
  - A. 417
  - B. 834
  - C. 1,251
  - D. 1,668
  
9. **How many gallons are there at 4% solids?**
  - A. 1,250
  - B. 2,500
  - C. 3,750
  - D. 5,000
  
10. **How many minutes does the pump need to run, to pump it?**
  - A. 13
  - B. 25
  - C. 38
  - D. 50

**ANSWERS:**

1-B, 2-B, 3-B, 4-B, 5-B, 6-C, 7-B, 8-B, 9-B, 10-B.

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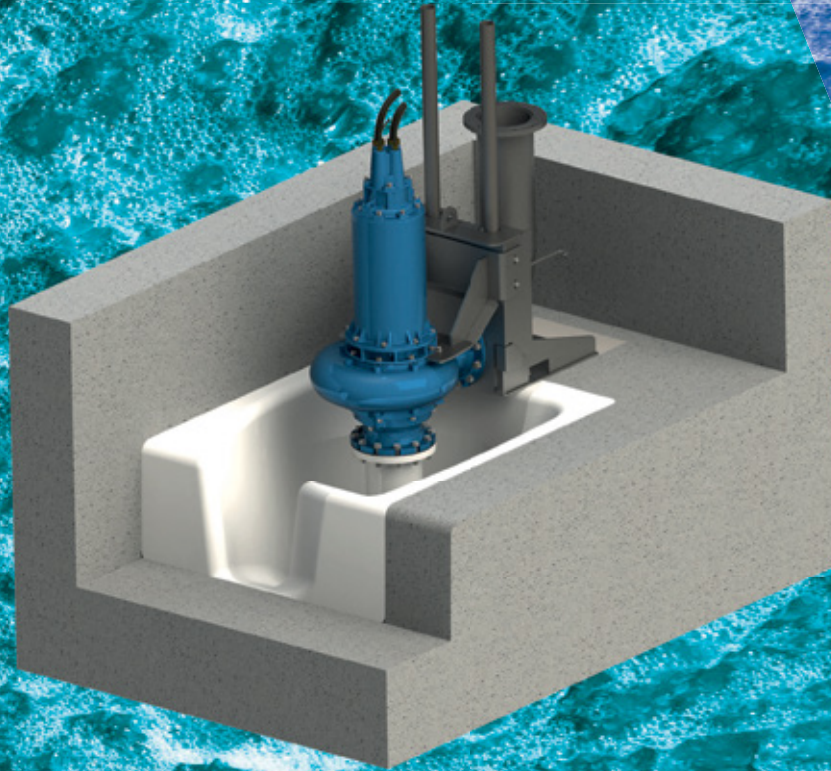


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# SBWRD CELEBRATES THE COMPLETION OF THE SILVER CREEK WATER RECLAMATION FACILITY AND HONORS JAN WILKING



Jan Wilking, Chairman of the Snyderville Basin Water Reclamation District Board stands with plaque dedicated to his many accomplishments

**S**nyderville Basin Water Reclamation District (SBWRD) recently completed the expansion of the Silver Creek Water Reclamation Facility. On September 21, 2020, the public was invited to an open house that was held to commemorate this event and recognize the many individuals that took part in this project that started

in 2016. As part of this event the Chairman of the SBWRD Board, Jan Wilking was recognized for his many years of service to the District and for his many other community accomplishments and service with a plaque dedicated to him.

## Highlights and history behind the project mentioned during the event by Mike Luers, General Manager:

- The Water Reclamation District was formed by the County Council in 1974 and has the responsibility to collect and treat the wastewater that we all generate. Treating or reclaiming water is done to protect your health and to protect the environment.
- As our community continues to grow, our ability to provide wastewater service must grow as well. This project was built to accomplish two goals:
  1. To increase the capacity of the facility to handle the new growth.
  2. To provide advanced treatment of the wastewater in order to protect our local environment. Specifically, we discharge the reclaimed water to Silver Creek, home of the Bonneville Cutthroat Trout.
- At \$50 million dollars, this project is one of the largest locally funded infrastructure projects ever to be built in the Park City area.
- With the guidance and direction of the District's Board of Trustees, this project was built on-schedule and under-budget by \$1.8 million dollars!
- Due to the complexity of this project, it took five years to design and build.
- During these years, a lot of hard work and difficult decisions were made that not only kept the project on-schedule and under-budget, but to make sure the community's investment would serve the citizens for decades to come.
- SBWRD Board Members include Jan Wilking, Mary Ann Pack, Bob Richer, Richard Pick, and Steve Joyce. Thank you for your leadership and guidance!
- A big thanks to the employees of the Water Reclamation District for their hard work and commitment to the community.
- A big thanks also goes to the design firm employees of Carollo Engineers; the general contractor, Gerber Construction Inc.; and major subcontractors, Skyline Electric.



## SILVER CREEK WATER RECLAMATION FACILITY EXPANSION & UPGRADE PROJECT

Dedicated to our friend and longtime Board Chair:  
**JAN WILKING**

Jan has been a Member and Chairperson of the Board of Trustees for the Snyderville Basin Water Reclamation District for 42 years. This makes him the longest continuous-serving public official in Park City and Summit County history. Under his guidance, the District has been a leader in serving the public and protecting our local environment. His other accomplishments include his roles as:

1. Founder of Mountain Trails Foundation
2. Founder of *Park City Magazine* (formerly known as *The Lodestar*).
3. Co-founder of *The Newspaper* (which later merged with *The Park Record*).
4. Co-chair of the first Citizens' Open Space Advisory Committee (COSAC).
5. Member of COSAC II and III.
6. Member of BOSAC I and II.
7. Past Park City Council Member.
8. President of the Park City Chamber/Visitors Bureau (twice).
9. Past President and Founding Member of the Park City Rotary Club.
10. Member/Chairperson of SBWRD for 42 years (making him the longest, continuous serving public official in Park City and Summit County history).

This project was funded by the residents of Park City and the Snyderville Basin. District staff, recognized as instrumental in the design and construction of the project, will operate this facility to protect the Silver Creek Watershed and maintain the high quality of life within our community.

### BOARD OF TRUSTEES:

Jan Wilking, Chair  
Mary Ann Pack, Vice Chair  
Dick Pick  
Bob Richer  
Steve Joyce  
Engineer: Carollo Engineers  
Contractor: Gerber Construction Company

ON SEPTEMBER 21, 2020, THE PUBLIC WAS INVITED TO AN OPEN HOUSE THAT WAS HELD TO COMMEMORATE THIS EVENT AND RECOGNIZE THE MANY INDIVIDUALS THAT TOOK PART IN THIS PROJECT THAT STARTED IN 2016.



Jordan Probst: Operator of the Year, Treatment Plant under 5 MGD.



East Canyon Water Reclamation Facility: Treatment Plant of the year under 5 MGD.



Dave Smilanich: WEF Quarter Century Award



Kray O'Brien: WEF Quarter Century Award

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On September 16, Giles Demke, Past President of the WEAU attended a lunch at the Snyderville Basin Water Reclamation District to recognize the above mentioned WEAU and WEF Awards.

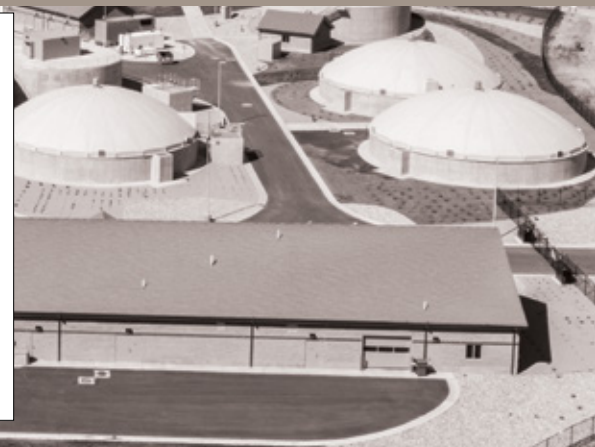
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# 2019 WEAU AWARDS PRESENTED IN 2020

Award	Recipient
Outstanding Collections Operator Under 5 MGD 2019	Dallas Henline
Outstanding Water Reclamation Operator Over 5 MGD 2019	Joel Thompson
Outstanding Water Reclamation Operator Under 5 MGD 2019	Jordan Probst
Outstanding Maintenance Specialist 2019	Roger Orullian
Outstanding Pretreatment Specialist 2019	Lori Gord
Outstanding Supervisor 2019	Ryan Johnson
Outstanding Laboratory Technician 2019	Erica Keepers
Outstanding Young Professional 2019	Ryan Bench
Outstanding Collections System Under 5 MGD 2019	Magna Water District
Outstanding Collections System Over 5 MGD 2019	Orem City
Outstanding Safety Program 2019	South Valley Water Reclamation Facility
Outstanding Discharging Lagoon	Logan City
Outstanding Water Reclamation Facility Over 5 MGD 2019	Jordan Basin Water Reclamation Facility
Outstanding Water Reclamation Facility Under 5 MGD 2019	East Canyon Water Reclamation Facility
Outstanding Pretreatment Program 2019	Logan City
Outstanding Biosolids Program 2019	Orem City
Outstanding Laboratory 2019	Jordan Basin Water Reclamation Facility Laboratory
Excellence Award	Orem City
Excellence Award	South Valley Sewer District
Outstanding Collections Operator Under 5 MGD 2019	Dallas Henline, Magna Water District
Outstanding Water Reclamation Operator Over 5 MGD 2019	Joel Thompson, Jordan Basin Water Reclamation Facility
Outstanding Water Reclamation Operator Under 5 MGD 2019	Jordan Probst, Snyderville Basin Water Reclamation District
Outstanding Maintenance Specialist 2019	Roger Orullian, Central Valley Water Reclamation Facility
Outstanding Pretreatment Specialist 2019	Lori Gord, South Valley Water Reclamation Facility
Outstanding Supervisor 2019	Ryan Johnson, Orem City
Outstanding Laboratory Technician 2019	Erica Keepers, Jordan Basin Water Reclamation Facility
Outstanding Young Professional 2019	Ryan Bench
WEF Outgoing Delegate	Mike Foerster, Term of Service 2017-2019



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## **THE UNSUNG PANDEMIC OF ANTIBIOTIC RESISTANCE: COULD THE CURE WE'RE LOOKING FOR BE IN IN OUR OWN BACKYARD?**

BY DIVYAM GOEL,  
UNDERGRADUATE  
STUDENT AT THE  
UNIVERSITY OF UTAH

**The COVID-19 pandemic** has rattled developed and developing societies alike, across the globe, bringing to attention the powerful impact a microscopic organism can have should it be able to roam unchecked. It serves as inspiration to carefully evaluate, with a discerning and skeptical eye, whether humanity is truly in control of the microbial world, and whether our actions can exacerbate an already prolific problem. Historical examples of microorganisms dominating humanity abound; and, while we usually manage to pull through, there are notable occasions where our retaliation actually costs lives. In my opinion, there is no better example of such a mishap as the shrouded pandemic of antibiotic resistance, a dark horse in the ever-relevant world of infection control. Yet, there is hope, and the key to managing this growing concern could lie in our own backyard – wastewater treatment plants.

Antibiotic resistance refers, broadly, to any developed resistance from pathogenic, or infectious, bacteria towards antibiotics commonly used. Once an obscure problem observed in isolated species here and there, more and more infectious pathogens are noted to show antibiotic resistant behavior. In fact, microorganisms have been known to develop resistance within months to several years of the approval of a new antibiotic. According to the Center for Disease Control and Prevention, a methicillin resistant strain of *Staphylococcus aureus* was isolated in 1960, the same year methicillin was approved for distribution. A cephalosporin resistant *E. coli* was identified in 1983, three years after extended-spectrum cephalosporin approval. *Klebsiella pneumonia* was found in 2015 to be resistant to a Ceftazidime-avibactam a few months following its release. Several other common organisms such as *Pseudomonas aeruginosa*, a recurrent bacterium that usually affects those hospitalized for surgery, and *Mycobacterium tuberculosis*, the namesake organism accountable for tuberculosis disease, pose antibiotic resistant infections, or even multi-drug resistance (resistance to more than one antibiotic) in various patients. These resistant infections are credited with almost 700,000 deaths annually, more than 25,000 of which are in the US; this number grows every year.

While antibiotic resistant organisms are almost invalidating the effort to work towards newer antibiotics (which still see organisms demonstrating resistant soon after clinical availability), there is a way out, and one that often sits deep inside the gallons of municipal wastewater many of our water treatment community members work to manage and control. I am speaking of bacteriophages or, simply, phages. Phages are small viruses that infect bacterial cells to reproduce, and have been shown in studies dating back to the era of pre-molecular medicine prior to World War I, to easily lyse, or kill, bacterial cells. While several types of phages exist, and are actually by a large margin the most populous organism on the planet, none are harmful to humans because they simply cannot infect a human cell. Another notable characteristic that phages are known to feature is their 'host-specificity', or the mechanism that one species of phage is able to infect only one bacterial species. Bacteriophages have tail proteins that recognize specific surface features on the particular bacterial specie that they will infect. This specificity means phages don't have any major side effects noted with normal clinical treatment. Anyone who has taken antibiotics for an infection is familiar with the stomach problems commonly associated with it, which comes from the indiscriminate killing of any bacteria including helpful strains found in the gut. Phage therapy keeps these gut microbiomes intact.

Phages have been shown to be highly effective in lab models with dangerous multi-drug resistant organisms, and are even able

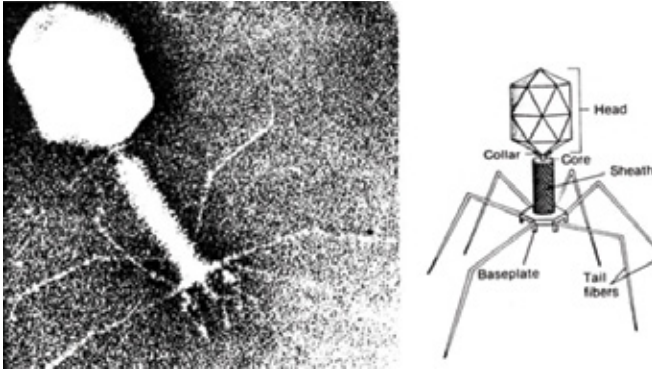


Figure 1: Electron Micrograph of bacteriophage [left] and anatomical diagram [right], obtained from [www.textbookofbacteriology.net/phage.html](http://www.textbookofbacteriology.net/phage.html).

to combat bacterial defense such as biofilms, or a secretion of polysaccharide coating bacteria encase themselves in to stay hidden and protected. Biofilms inside of organs such as lungs are an issue many patients with underlying conditions have died from. Phage therapy has been shown to also offer significant levels of success in treating infected mouse models, where researchers replicate various infections artificially. It has even been used in isolated cases here and there in humans as a last resort treatment, often for skin infections, urinary tract infections, and other cases where antibiotics were declared nearly useless, and many patients have fully recovered. A final benefit is that phages do not need to be manufactured; they already exist in the environment, preying on their bacterial hosts. Wastewater reservoirs are a common search site for phage, and I, myself, have easily isolated phages for multi-drug resistant *Pseudomonas* and *Staphylococcus* from municipal primary sludge and effluent.

Phage therapy is not just limited to medical problems – as shown above, wastewater is a common reservoir for phage yet it has also been demonstrated for use in wastewater engineering applications. There are notable studies coming out of Utah itself. For example, Bhattacharjee et al. 2015 from the University of Utah demonstrated the use of phage therapy to kill bacterial biofilms developing in a membrane bioreactor, showing much reduced biofouling of the membranes. Similar studies note the efficacy of phages in bioengineering applications.

All this talk of benefits and successes leads one to ask ‘why is phage therapy not the norm?’ The answer lies mostly in its history; biological therapies have always maintained controversy and falsification, and this trend persists. The United States FDA does not easily permit biological research, especially therapeutics such as phage, that are biological themselves. There is the added problem of quantity – antibiotics can be produced in large amounts quite fast while phage farming is a much slower ordeal, given the fact that phage need healthy hosts to prey on to proliferate. It is one of the main reasons why antibiotics actually passed phage in popularity in the early 20th century; soldiers fighting in World War I needed treatment for their infections faster than phage therapy could provide.

Yet, society calls for our researchers to do better. Antibiotic resistance is, to me, the pinnacle example of ‘shooting yourself in the foot’, and a mistake that costing thousands of lives.

Phage therapy promises an evolutionarily successful predator-prey relationship that we can, and have been able to, piggyback on. Proponents of phage therapy have been requesting Randomized Clinical Trials (RCTs), the investigative procedure that any drug, therapy, or vaccine must pass through to gain FDA approval, for years. It is high time for us to do so and turn the tide on preventable infection deaths. As the saying goes, ‘an enemy of my enemy is my friend’.

## References

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# 2020-2021 **BUYERS' GUIDE**

The Digested News Buyers' Guide consists of two sections: a listing of Products & Services Categories and an alphabetical Listing of companies/organizations and contact information.

1. Search under CATEGORICAL LISTINGS for the products/services you require.
2. Note the companies listed under your products/services.
3. Refer to the COMPANY LISTINGS for those companies' contact information.

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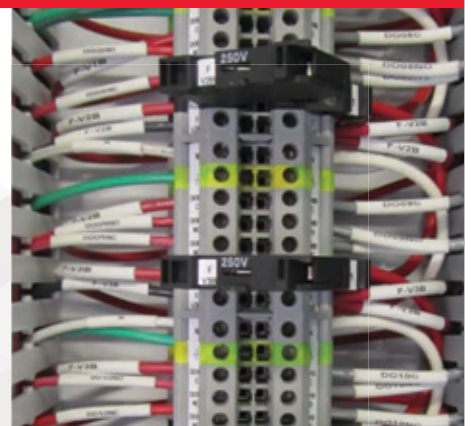
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The Annual Conference Committee is accepting abstracts for presentations at the 2021 WEAU Annual Conference. All topics related to water quality, collection, treatment, compliance, utility management, or other related topics will be considered.

The conference will be held  
April 13 through the 16, 2021  
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(\*Pending resolution of public health concerns related to COVID-19)

**Submit abstracts online at [www.weau.org](http://www.weau.org)**

Abstracts will be reviewed and you will be notified if your presentation is accepted. The presentations will be made to attendees at the conference and formal paper submissions are not required.

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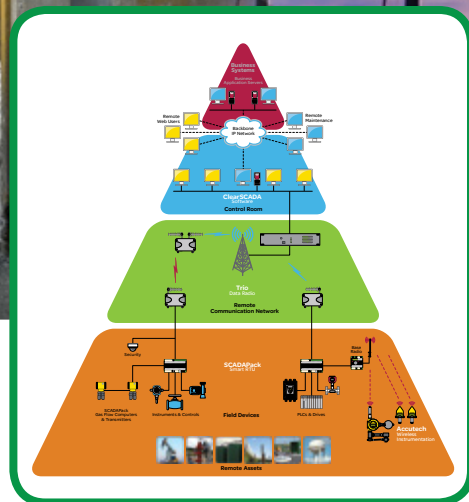
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# WEAU's 2020 Engineering Symposium

Over 40 attendees took part in WEAU's 2020 Engineering Symposium, which was held on October 28, 2020. The virtual meeting focused on odor control at water reclamation facilities and included two presentations: (1) *Developing an Odor Control Facility Plan* by Mark Smith, an Odor Control Engineer

with Jacobs Engineering Group; and (2) *North Davis Sewer District Odor Control Experience* by Myron Bachman, Plant Superintendent at the North Davis Sewer District. We appreciate Myron and Mark for taking the time to prepare and make these presentations. These presentations posted to the [www.weau.org](http://www.weau.org) website for

reference, but if you have any questions, Mark can be reached at 971-275-4760 and Myron at 801-728-6830. If there are other topics WEAU members would like to cover in a short two-hour, two presentation format, please email suggestions to Randy Zollinger at [rzollinger@carollo.com](mailto:rzollinger@carollo.com). 

## YP Update

By Rebecca Yoo

The YPs enjoyed their first *YP Peer to Peer* event, during which YPs were able to swap stories, problem-solve, and learn from each other's experience. Paul Jones from Bridgwell facilitated the event. Looking back on the event, Josh Donegan shares that "It was a much welcomed time to connect with my peers in the industry and discuss ways that we are navigating the 'new normal'." As always, and if not more than ever, YPs are curious how they can continue to demonstrate their value in their roles while pursuing their unique path in a changing workforce! 





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