

## BOARD OF TRUSTEES MEETING MINUTES

May 16, 2022  
\*\* District Office\*\*  
5:00 p.m.

### I. CALL TO ORDER

The May 16, 2022, Board of Trustees meeting was called to order by Chair Jan Wilking at 5:00 p.m. Other Board members in attendance were Mary Ann Pack, Robert Richer, Dick Pick, and Ryan Dickey. Staff in attendance were Mike Luers, Brian Passey, Dan Olson, Chad Burrell, Kevin Berkley, Bryan Steele, Corey Shorkey, Tiffani Adams, and Kim Dudley. Also, in attendance were Jeremy Cook, Cohn/Kinghorn, Craig Ashcroft, Carollo Engineers, and Amy Davies, Child Richards CPA's and Advisors.

### II. CONSENT AGENDA – Approval of Board Meeting Minutes for April 18, 2022

Mr. Richer made the motion to approve the Consent Agenda, Mr. Pick seconded the motion carried with Mr. Pick, Mr. Richer, Ms. Pack, Mr. Dickey, and Jan Wilking voting in the affirmative.

### III. PUBLIC INPUT – There was no public input.

**IV. APPROVAL OF EXPENDITURES** – Bills in the Amount of \$973,149.97 – Mr. Luers reviewed the Expenditures with the Board. He said as we continue the design of ECWRF there is an expenditure for Carollo in the amount of \$271,000. Mr. Ashcroft told the Board that we are a little over 50% through and we are working on permitting. Mr. Luers added that permitting with Summit County is quite extensive.

Ms. Pack made the motion to approve the Expenditures, Mr. Pick seconded the motion carried with Mr. Richer, Mr. Pick, Ms. Pack, Mr. Dickey, and Jan Wilking voting in the affirmative.

### V. SERVICE AWARDS – Tiffini Adams 5 years

Mr. Wilking congratulated Ms. Adams on her service award for 5 years. He said that is wonderful to have employees like you.

Mr. Luers stated that Ms. Adams came here from Central Valley, and it seems like it was yesterday. She is our Laboratory Director and has done an outstanding job.

Mr. Burrell said that we have a certified lab at the District which means Ms. Adams runs all of the samples that confirm we are meeting our wastewater permits. It is very important the quality control she goes through to make sure that those samples hold up in court. In addition, she takes samples pertaining to the expansion of the ECWRF. Ms. Adams works well with both wastewater plants and has great communication and coordination. She has a great attitude and personality, and we appreciate everything she does.

Ms. Adams said that she is honored to be a part of this group.

Ms. Pack presented Ms. Adams with a certificate for her 5 years of service and a gift from the District.

The Board congratulated Ms. Adams on her service award.

### VI. SUBDIVISION PROJECTS – McPolin Elementary Addition – 0 REs

Mr. Shorkey stated the applicant has filed a Line Extension Agreement to add a building addition over the top of an existing sewer line. The line to be abandoned currently serves McPolin Elementary School and the Park City Learning Center. Both buildings will be re-routing private sewer laterals as a part of the project. Roughly 400' of 12" concrete sewer mainline, and one sewer manhole will be removed/abandoned as a result of the project, with one new sewer manhole being installed.

Staff recommends approval.

Ms. Pack made the motion to approve the Subdivision Projects – McPolin Elementary Addition – 0 REs, Mr. Richer seconded the motion carried with Mr. Pick, Mr. Richer, Mr. Dickey, Ms. Pack and Jan Wilking voting in the affirmative.

Estimated LEA REs Year to Date: # Above Splitter 1; # ECWRF 0; # SCWRF 242.17; Total 243.17  
Proposed this Meeting: # Above Splitter 0; # ECWRF 0; # SCWRF 0; Total 0

## VII. DISTRICT MANAGER

### A. Discussion Items

1. Presentation – Microplastics & PFAS Compounds – Mr. Luers gave a presentation of Microplastics & PFAS Compounds.

#### PFAS/PFOS

- What are PFAS/PFOS? (Per- and Polyfluoroalkyl compounds)
- History/Background
- Present and Future Regulations
- PFAS/PFOS at ECWRF
- Microplastics
- What are Microplastics?
- Why should we care?
- Present and Future Regulations
- Microplastics at ECWRF

Mr. Luers stated that PFAS/PFOS compounds have been around for a long time. One of the first PFAS developed was Teflon back in 1951 which is now Dupont/3M. PFOS is a major ingredient to Scotchgard. These compounds are called forever compounds because of the chemical bonds they are made of they do not breakdown hardly at all, they stay around a very long time.

These compounds are found in a lot of things. The ideal properties include:

- Resistant to Heat, Stains, and H<sub>2</sub>O.

New Products continued to be developed:

- Microwave Popcorn, Stain resistant Carpet, Water Repellent Clothing, Food Packaging, and Cosmetics.

PFAS Health Concerns:

- Thyroid and Kidney Problems
- Colon Issues
- High Cholesterol
- Testicular Cancer
- Fertility Problems
- Low Birthweight
- Hormone Disruption

One of the main concerns is the hormone disruptions of the endocrine system in male fish. We test on a quarterly basis and the influent does contain several compounds and we are keeping a close eye on those. The current standards are changing very rapidly across the United States.

The EPA is working on regulations including what ends up in our biosolids.

EPA Strategic Road Map:

- Finalize risk assessment for PFOA and PFOS in biosolids
- Expected Winter 2024

- Publish final recommended ambient water quality criteria for PFAS Expected Winter 2022 and Fall 2024

We expect the Water Quality Permit Limitations to be out in the coming years. When these come out it will be an issue we'll have to deal with. We do know how to remove these compounds, it's just expensive.

Changing gears to Microplastics. Microplastics are defined as small pieces of plastic about the size of a small pencil eraser down to the size of particles of cigarette smoke or to one micron. Add to that the smaller pieces of plastics we call those Nanoplastics and that goes from one micron to one nano meter. In addition to the Microplastics and Nanoplastics you also have Microrubbers generally coming from the wear of tires on our roads.

Microplastics vs Microrubbers:

- Microplastics (MP) contain a variety of additives including plasticizers, flame-retardants, pigments, biocides, antioxidants, stabilizers and fillers.
- Microrubbers (MR) contain a variety of additives including carbon black, curing agents, fillers, extender oils and softeners, pigments, metals (especially zinc), antioxidants, biocides and oxonates.
- MR additives result in >100 organic compounds present on a chromatogram, making it extremely complex to analyze potential environmental risk.

Microplastics comes in all types of forms:

- Fragments: small pieces of larger objects
- Fibers: the most common type of microplastics
- Foam: pieces of food containers and cups
- Nurdles: plastic pellets usually used in manufacturing
- Microbeads: Are any plastics larger than 5 millimeters – examples: plastic bags, bottle lids, bottles, food wrappers, etc.

Where do Microplastics in our oceans come from:

- Synthetic Textiles – 35%
- Car Tires – 28%
- City Dust – 24%
- Road Markings – 7%
- Marine Coatings – 3.7%
- Personal Care Products – 2%
- Plastic Pellets – 0.3%

Why are Microplastics and issue? Microplastics are everywhere:

- Rivers: oceans, arctic ice, rainfall, atmosphere
- Food: shellfish, fish, sea salt, bottled water, tap water
- 100% of people studied excrete microplastics regardless of diet
- 78% of EPA's priority pollutants are either in or on plastic

What We Know About Certain Plastics:

#### Phthalates

- Phthalates are plastic softeners used to make plastic less brittle.
- Phthalates are estrogenic like compounds (synthetic xenoestrogens) that can disrupt the endocrine system.

#### Bisphenol-A (BPA)

- The most well-known toxic chemical in plastics is BPA, which is an endocrine disruptor.

#### Polyvinyl chloride (PVC)

- PVC, is widely known as the most toxic plastic for health and the environment (recycle symbol #3).
- PVC may contain more than 40% by weight of plasticizers, mostly phthalates.

Oral Ingestion of Microplastics and Nanoplastics can end up in the liver or they can be taken up in the intestinal epithelium and if they are big enough, they can be excreted. Otherwise, they will be distributed throughout the body including the brain.

#### Humans in a Microplastic World:

##### Summary of Findings:

- Humans are exposed to microplastics from consumption of food, toothpaste, beer, honey, salt and sugar, drinking water and bottled water.
- Additional inhalation (aerosols) exposure results from microplastics released from textiles, synthetic rubber tires and other sources.
- Humans consume more than 100,000 microplastics particles a year.
- Study published last month from the Netherlands, found MPs in the blood of 80% people sampled!

##### Factors influencing neurotoxic potential of microplastics:

- Nanoparticles are more easily taken up and have a higher toxic potential than larger microparticles.
- Nanoplastics may be small enough to penetrate deep into the lungs and/or get into the circulatory system and cross the blood-brain barrier (BBB).

Microplastics are being monitored at various cities throughout the United States. When you look at Microplastics 80% are coming from the textiles.

The majority of Microplastics are ending up in the biosolids. We must be very careful what we do with our biosolids.

#### Tips to Curtail your Exposure to Microplastics:

1. Drink water from your tap: Bottled water has about double the microplastic level of tap water.
2. Don't heat food in plastic: Heated plastics have been known to leach chemicals into food.
3. Avoid plastic food containers with known issues: Recycling codes "3," "6," and "7" respectively indicate the presence of phthalates, styrene, and bisphenols. Better yet, use food-grade silicone food containers.
4. Minimize household dust: Use a very high-grade furnace filter to reduce exposure to microplastics.

#### In Conclusion:

1. PFAS and Microplastics (MPs) are co-occurring, chemically connected and ubiquitous.
2. PFAS and MPs are making headlines, but research is ongoing
3. PFAS and MPs can accumulate in biosolids
4. Regulations are on the horizon for both .

Mr. Luers asked the Board if they had any questions.

Mr. Wilking asked if we need more hardware to remove more Microplastics? Mr. Luers stated that we would have to install another process at the end.

Mr. Richer said that if the EPA changes the standards are we confident with the new plant that we are good to go. Mr. Luers said no. He said that our facilities do not remove all the compounds. We

remove some but not all. It depends on if the new standards are on the low end, we would have to add another process.

Mr. Wilking asked Mr. Luers to send the presentation to the Board. He said he would.

2. Team Appreciation Recognition Program (TARP) – Mr. Luers told the Board we received a Team Appreciation Recognition award in the amount of \$1,501.00. He said that this was due to participation in the TARP program. TARP members bring visibility and accountability to accident prevention – keeping our people and communities safe. On average, TARP participants have reduced accident frequency by more the 25%.

B. Action Items

1. Consider Adopting PTIF Entity Resolution #145 – Mr. Luers asked Mr. Steele to review the PTIF Entity with the Board. Mr. Steele said that this resolution is required by the Office of the State Treasurer. It gives authorization to add or delete users to access and/or transact with PTIF accounts. Mr. Passey will be removed from the accounts and Mr. Steele and Mr. Luers will be added. Mr. Luers asked the Board to consider adopting the PTIF Entity Resolution #145.

Mr. Richer made the motion to adopt PTIF Entity Resolution #145, Mr. Pick seconded the motion carried with Ms. Pack, Mr. Dickey, Mr. Pick, Mr. Richer, and Mr. Wilking voting in the affirmative.

2. 2021 - ACFR Report – Amy Davies and Ryan Child, Child Richards CPA's and Advisors – Mr. Passey asked Ms. Davies to report the findings of the ACFR to the Board. Ms. Davis thanked the Board for having her. The first part of the audit is reviewing annual procedures, reading minutes, performing inquiries. We then take look at controls, including cash receipts, cash disbursements, payroll, and credit cards. The District has excellent controls and has strong involvement over supervisors and District numbers and we did not find any issues or recommendations over controls at this time. This is a good positive result for the Finance Manager and General Manager. We then walk through the basic controls and no exceptions were noted. We then go to risk assessment to decide what our approach to the audit will be, these include gaining sufficient evidence to support the balance of the transactions, supporting documentation for specific transactions, and bank confirmations, etc.

Ms. Davies stated that they go through a supervision and revision stage where the audit partner at Child Richards reviews the reports. She said that Mr. Passey has received an award for the CAFR for the prior year and is applying for an award for the ACFR for the current year. We also helped in proofing that ACFR making sure that figurers are correct. Kudos to Mr. Passey for doing that.

Ms. Davies stated that they did have one journal entry that's not anything that is reported in the report, but it is important to mention. She said that sometimes organizations require a lot of journal entries and need a lot a cleanup but the District only had one. We did issue a cleanup opinion on financial statements, to have the balances presented correctly.

Ms. Davies said they also had three recommendations. The first recommendation has to do with the consolidated fee schedule for the District. We recommend the District describe in detail the different rates for user fees types. Mr. Passey stated that the Consolidated Fee schedule of 2018 was updated at that time and better defined our growing mixed user customer rates but agreed with the recommendation. The second recommendation was the balances reported on the deposit investment form. This is a requirement required by the Utah Code the office of the State Treasury, that the District reported these balances to the State Treasury for the year-end December 31, 2021. There was just a slight off balance that the District reported. We recommend that the District correct the balances and report back to the State Treasury. Mr. Passey stated that this was a correctable issue. The third recommendation was also for state compliance. Utah Code requires Board of Trustees who take office to take training by the office of the State Auditor within one year. We noticed two board

members were unable to provide certificates and we recommend the board members can provide certificates upon completion of their training.

Ms. Davies thanked the Board and the staff for their cooperation on the audit.

Mr. Passey presented supplemental slides showing our history of our first Certificate of Achievement for excellence in Financial Reporting. Our first award was received in 1998 and in 2021 it will be our 24<sup>th</sup> straight year of this award. As the District looks for bonding of the East Canyon project the information contained will help in forming an official statement for bonding purposes.

Mr. Passey said we like to look at any outstanding debt that we may have. In 2012-2013 we started financing the Silver Creek Project and took bond proceeds in March of 2015 built the project and completed in the spring of 2019 which has been a real success. The original 2015 Bond proceeds were \$22,000,000\* (\*extra amount due to bond premium), the original principal due as of March 1, 2015, was \$20,395,000, and the current principal left as of December 31, 2021, was \$14,945,000.

Mr. Passey showed a slide of our Impact Fee History from 2010 to 2022 and said it was interesting to see the progression of Impact Fees. In the last 9-10 years the growth was steady and with the impact of COVID 19 it increased dramatically in 2021.

Mr. Passey also showed a slide of the User Fees from 2010 to 2022 and said that we are billing about a million dollars a month. He reviewed the 2021 Revenue and Expenses with the Board. Mr. Passey also showed a slide with information of the ACFR showing all cash reserves and operating expenses.

Mr. Pick made the motion to approve the 2021 – ACFR Report, Ms. Pack seconded the motion carried with Ms. Pack, Mr. Dickey, Mr. Pick, Mr. Richer, and Mr. Wilking voting in the affirmative.

C. Information Items

1. Financial Statement
2. Impact Fee Report
3. WEAU Awards – Mr. Burrell said that SBWRD and staff captured five coveted

State awards for excellence during the annual conference of the Water Environment Association of Utah in St. George.

Award #1: Outstanding Laboratory - Tiffani Adams

Award #2: Outstanding Water Reclamation Facility - Silver Creek Facility

Award #3: Operator Challenge First Place, Collection System category

Team Members: Blaine Bowden, Steve Lamb, Jake Olsen, Jim Giles,  
Colby Willoughby

Award #4: Operator Challenge Third Place, Process Control category

Team Members: Blaine Bowden, Steve Lamb, Jake Olsen, Jim Giles,  
Colby Willoughby

Award #5: Water Environment Federation Quarter Century Operator Club:

Dale Choules

4. District & PCFD will be conducting a joint Training Exercise on May 18, 2022 – Mr. Luers told the Board that we will be conducting a major training with exercise PCFD Wednesday, May 18, 2022. The detail will not be let out because we don't want our staff or their staff to know what the exercise is. There will be plenty of activity and lots of resources in the area of Kimball Junction for about 4 hours.

**VIII. FUTURE AGENDA ITEMS**

- A. Projects
- B. Operations
- C. Finance
- D. Governmental Matters – Mr. Luers stated that tonight is Mr. Passey's last meeting. He

will have a retirement party on Thursday, May 26, 2022 at 12 p.m. – 2:00 p.m @ the EC Training Building. Mr. Luers invited the Board to attend. Mr. Luers said we can't say enough about all the time Mr. Passey has spent with us and the type of audit report we received tonight is right in Mr. Passey's court. We are very fortunate that our audit came back with what we consider minor recommendations and Mr. Passey has done an outstanding job. Mr. Luers told the Board that Mr. Passey has served as our HR Director for many years and thanked Mr. Passey for all his efforts.

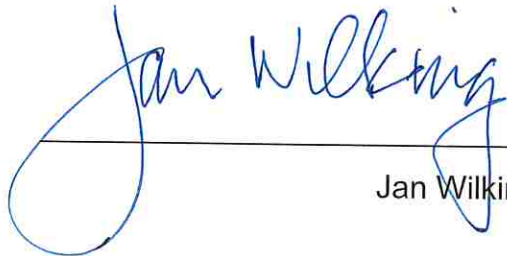
Mr. Passey thanked the Board and staff.

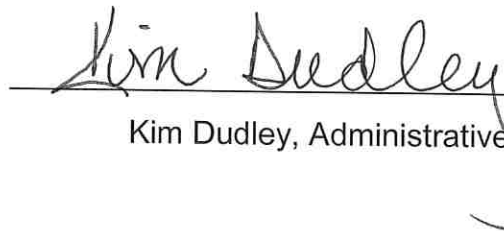
Mr. Wilking also thanked Mr. Passey.

**IV. ADJOURN**

Mr. Pick made the motion to adjourn at 5:57 p.m., Mr. Richer seconded the motion carried with Ms. Pack, Mr. Dickey, Mr. Pick, Mr. Richer, and Mr. Wilking voting in the affirmative.



  
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Jan Wilking, Chairman

  
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Kim Dudley, Administrative Specialist