

Oak Creek Water District

“Serving West Sedona Since 1953”

90 Oak Creek Blvd

Sedona, AZ 86336

Date: September 15, 2023

RE: General Manager Report

Financial

The billing charges for September 2023 were \$63,400.

Infrequent and one-time major expenses in September:

-None

Infrequent and one-time major revenue for September:

-\$1,760 Workman's Comp Overpayment

Operations

-Passed the D2 exam and violation closed with ADEQ

-Assisting FANN @ 002 & 003, increased manpower and urgency to complete project

-Lead and Copper notifications signed by Jason and a lost violation went away

Management

USDA Grant/Loan Update: ADEQ will be inspecting the Arsenic systems at both well sites on August 21st for final approval. Contracts are being signed with Summit Construction of Flagstaff for the water main projects with a notice to proceed date of October 1, 2023. The five straight streets will be awarded first with Willow Way being the first street under construction. Waiting for USDA to close the CoBank interim loan. Once completed we will begin making the monthly payments of \$6,301. A Title Commitment was completed by Empire Title as required by USDA. Ron Rovey assisted in making the contact. The second interim loan with RCAC is complete.

Sedona Lofts: Construction was delayed a few months due to additional City funds needed. Sent the engineer the estimated tap fees. They have asked for current fire flow test results so it appears the project is in motion.

Current Leaks: 200 Willow Way, 140 Oak Creek Blvd, 140 Northview. All being monitored.

5-Year Rate Study: Once Ullman & Associates has completed our annual financials, we will submit them to Tom Bourassa so he updates the 5-Year rate plan with the new USDA loan.

Landlord Motion (Previous): Letters are ready to go out once revised motion has been made. See attached.

Arsenic System FAQ's

The arsenic system installed utilizing MetSorb adsorbent Media. This technology has been available since the early 2000s, with over 5,000 installations worldwide. It is accepted by the EPA, AWWA and all State agencies as a method to remove arsenic safely from drinking water.

What are the specs on the treatment system: materials used, extraction method, containment, etc?

The media (referenced as pellets) is MetSorb HMRG by Graver Technologies. The process is called Adsorption, it is considered passive and does not require any chemicals to be injected.

What is the expected noise level of the system when operational?

No noise level to be expected.

What are the contamination risks if one or more of the tanks leaks or if the pellets are dropped?

None, the media and the arsenic bind to each other. The process of removal spent media is highly controlled to prevent spills of media.

What is the concentration level of arsenic in the pellets and backwash water since Arsenic greater than 5.0 mg/L is a hazardous material according to RCRA?

The concentration of Arsenic in the pellets is less than 5.0mg/L. The arsenic attaches to the titanium surface and pore structure. During backwash the idea is to remove fines like silt and sand that increase the pressure delta across the media bed, that come up from the well, not to flush out the arsenic into a concentrated sludge.

Do you have test results that show the amount of arsenic that is likely to leach out of the pellets? Will this amount enter the backflush water? What happens to it then?

Short answer is there is no leaching out. More details can be found in the AWWA Research Foundation – Adsorbent Treatment Technologies for Arsenic Removal, 2005.

How are the waste products (saturated pellets) disposed of?

Waste samples are tested for leaching of metals, permitted and sent to landfill as a non-hazardous special waste, assuming the test results are acceptable. This hasn't been an issue in the 15 years Canyon Filtration (subcontractor for this project and owner of Big Park Water in VOC) has been doing this.

What is the chemical form of Arsenic in the water?

Based on the engineering report 2021, Arsenic V (arsenate) is present with Arsenic III (arsenite) non-detect.

Does this form change during the treatment process? If so, to what?

Assuming this is from arsenite > arsenate, no, arsenite is not present and no oxidation is present to convert arsenite to arsenate. Although the media will remove both forms with or without converting.

**Oak Creek Domestic Water Improvement District
Public Meeting - held at 90 Oak Creek Boulevard, Sedona, AZ
August 15, 2023**

1. Call to order and roll call:

Called to order at 4:30 P.M..

Present: Doug Bowen, Ed Dowling, Paul LeFevre, Creed Ostler, Paul Slevin, Chan Smith
Bob Bareuther (phone)

2. Call to the Public for Items not on the Agenda:

3. Manager's Report:

General Manager and Operation Manager updated the BOD - See General Manager's attachment.

4. Consent Agenda Items:

A. Approval of July Board meeting minutes

B. Approval of July financials.

Paul Slevin made motion to approve July minutes and July financials. Seconded by Chan Smith/ All approved.

5. Regular Agenda Items:

A. Status update and discussion about USDA Grant Loan Projects. Special meeting may need to be called to sign the forms to close the CoBank interim loan and begin paying on the USDA loan.

B. Discussion/ Suggestion that the next newsletter answer some of the questions/ concerns/ impact of the nearly completed water treatment system

6. Executive Session Items:

7. Announcements:

A. Next Regular Board Meeting: September 19, 2023, at 4:30 P.M

8. Adjournment:

- Motion to adjourn/ 4:57 P.M. Chan Smith.

Respectfully submitted,

Creed Ostler

Secretary, Oak Creek Domestic Water Improvement District

**Oak Creek Domestic Water Improvement District
Special Public Meeting - held at 90 Oak Creek Boulevard, Sedona, AZ
August 21, 2023**

1. Call to order and roll call:

Called to order at 2:30 P.M..

Present: Doug Bowen, Ed Dowling, Paul LeFevre, Creed Ostler, Paul Slevin, Chan Smith
Bob Bareuther (phone)

2. Call to the Public for Items not on the Agenda:

3. Consent Agenda Items:

A. Discussion and approval of USDA Loan Resolution Form RUS Bulletin 1780-28.

Ed Dowling made motion to approve and sign the USDA Loan Resolution Security Agreement, RUS Bulletin 1780-28, for the principal amount of \$2,325,000. Seconded by Paul LeFevre All approved.

7. Announcements:

A. Next Regular Board Meeting: September 19, 2023, at 4:30 P.M

8. Adjournment:

- Motion to adjourn/ 2:47./ Paul Slevin.

Respectfully submitted,

Creed Ostler

Secretary, Oak Creek Domestic Water Improvement District