

**Board Meeting Minutes
Government Camp Sanitary District
September 13, 2021
4:00 p.m. at Mt. Hood Cultural Center & Zoom Video conferencing**

Board Members:

Present: Andrew Tagliafico, Board Chair; Ed Rogers Jr., Vice Chair; Cornelia Gunderson,

Board Members that attended meeting by Zoom Conferencing: Brett Fischer, Dan Mancuso.

Others Present:

Ulla Brunette, Secretary; Ken Johannes, Plant Operator; Dustin Thorson.

Attended via Zoom Conferencing: Curt McLeod, Tom Puttman, Facility Coordinator.

Proceedings:

Meeting called to order at 4:00 PM by Andrew Tagliafico.

Agenda:

Ed Rogers Jr. moved to approve the agenda as presented. Seconded by Cornelia Gunderson. Motion passed.

Bills:

Num	Name	Memo	Amount
5192	Mrs. Ulla Brunette	Postage, Zoom Communications	-130.99
5193	Peterson Cat	Inv. #sw290069468 - Annual Service & Inspection	-1,876.00
5194	TROJANUV	Cust. #381390, Inv. #SLS/10311267	-1,542.23
5195	Verizon	Cell phone Acct. #542027821-00001	-32.21
5196	Puttman Infrastructure, Inc.	Inv. #3219, PO #02-103 Biosolids Mgmt.	-14,467.35
5197	Cascade Columbia	Inv. #815229 & 815914. Soda Ash, Lime	-1,208.00
5198	Edge Analytical Inc.	Ref. #21-27913, 21-29032, 21-30116, 21-31065, 21-32026	-1,480.00
5199	Puttman Infrastructure, Inc.	Inv. #3216, PO #02-107 Blower Rebuild Project	-759.50
5200	Portland General Electric	Acct. #3139860000	-3,023.57
5201	Puttman Infrastructure, Inc.	Inv. #3217 O&M monthly Operator Fee	-8,973.87
5202	CenturyLink	503-272-0261	-131.30
5203	Puttman Infrastructure, Inc.	Inv. #3218 Supplies	-1,879.45
5204	Brunette, Ulla B	Secretary Salary for August	-1,165.80
5205	Firwood Design Group, LLC	Inv. #171089 August Services Sewer Line Repairs	<u>-2,177.50</u>
			-38,847.77

Ed Rogers Jr. moved to approve the bills as presented. Seconded by Cornelia Gunderson. Motion passed.

Bank Accounts:

General Funds – US Bank \$152,944.40

State Pool Account #5206 \$439,855.19

State Pool Account #5260 \$253,155.54

Minutes:

Ed Rogers Jr. moved to adopt last month's meeting minutes. Seconded by Cornelia Gunderson. Motion passed.

Plant Report – Thomas Puttman & Ken Johannes:

Monthly Operator Report Summary – August 2021

• **Treatment Plant – Flows**

Inflow Received	Current Month	Previous Month	Previous Year
Average	0.108 MGD	0.121 MGD	0.110 MGD
Maximum	0.144 MGD	0.136 MGD	0.167 MGD
Minimum	0.079 MGD	0.102 MGD	0.086 MGD

• **Treatment Plant – Effluent Quality Results**

Effluent Results	Current	Previous	Limit
cBOD	2 mg/L @ 99%	1 mg/L @ >99%	10 mg/L @ 85%
TSS	2 mg/L @ 99%	1 mg/L @ >99%	10 mg/L @ 85%
E Coli	1.6 cfu/100 ml	1 cfu/100 ml	126 cfu/100 ml
NH3-N	0.3 mg/L	1 mg/L	--
pH	6.5	6.5	6.3 – 9.0

Plant Report continued.

• **Operations, Maintenance, and Regulatory**

- No issues, both new SBR blowers running well.
- Second old blower at shop found non-rebuildable as a spare, need to discuss rotating out remaining two blowers for PM.

• **Biosolids Management**

- Hauling underway: 107,000 gallons in August; 146,000 gallons to date.
- Downtime two weeks due to mechanical with lime air blower system.

• **Locates – 6; Call Outs – 0**

• **Collections System Management**

- **2021 Inspections:** Completed, submitted to Firwood for 2022 Repairs. No contingencies.
- **2021 Repairs:** Firwood, pending. 2020 Inspection observation list submitted on 4/28/21, also included is the Headworks Main repair, the Union/Lige manhole channel work, and Ski Haus Lane repair.

Other:

The District has four Blowers for the Surge tank and Digester at the Treatment Plant. Two Blowers typically run at the same time, but all four will run, when needed. The two new Blowers are working well, but Ken Johannes from Puttman Infrastructure is recommending that the other two be re-built or replaced. Estimated cost for a new blower is \$7200.00 or \$4500.00 to rebuild.

Plant Report continued.

Ken also recommends that the District purchase a spare motor for the Blowers, because all of the four motors are over 20 years old. Estimate to purchase new would be \$800 - \$1200.

The Board agreed to purchase two new Blowers, one new motor and rebuild one of the old Blowers to be a backup.

Master Plan Update – Curt McLeod:

Final report will be provided at the October Board meeting.

The District is currently using about 50% of the capacity. If the District converted to AquaNereda, it would allow 60% more capacity in the existing SBRs, which would allow up to 400,000 gallons per day, with some minor capital improvements.

AquaNereda Aerobic Granular Sludge technology is a biological wastewater treatment system that provides advanced treatment using the unique features of aerobic granular biomass.

Key advantages with AquaNereda:

- Four times less space required compared to conventional activated sludge systems.
- Energy saving up to 50% compared to activated sludge processes.
- No secondary clarifiers, selectors, separate compartments, or return sludge pumping stations.
- Significant reduction of chemicals for nutrient removal due to the layered structure and biopolymer backbone of the granule.
- Ease of operation with fully automated controls.

If the District decides to convert to AquaNereda, a discussion on sludge biosolids processing would need to take place, because AquaNereda causes more sludge waste.

Curt stated that it is hard to project when the loads will trigger the need for the plant expansion, so they will provide a graph with the Master Plan. The District would monitor the loads and compare with the provided graph to determine when the District should think about expansion.

2021 main sewer lines – repair project:

Lining process for the main lines have been completed. The lateral linings and various repairs still need to be completed.

Sewer line damage caused by Centurylink – Summit parking lot:

The District Secretary has filed a claim with Centurylink.

Generator replacement for Treatment Plant:

The District Secretary is researching grants for a new Generator.

89821 E Little Trail, Account #014:

Owner is requesting a sewer rate reduction from 2.00 EDUs to 1.00 EDU, because they are no longer using their home as a rental duplex.

The home currently has two kitchens and the District's policy is to bill each kitchen 1.00 EDU.

89821 E Little Trail, Account #014 continued.

The Board agreed that if the owner chooses to remove the second kitchen, a Board member will need to complete a walkthrough to verify.

There being no further business, the meeting was adjourned.

Minutes prepared by Secretary, Ulla Brunette.