

RECEIVED

JUN 20 2022



GREEN AREA WATER & SANITARY AUTHORITY

~~BY~~
~~Water Leak~~
Credit Request



Per Roberts Creek Water District Water Service Ordinance #2000-3-1, customers are responsible for all water consumption on the customer side of the water meter. As such, consumption charges for water leaks that originate on the customer side of the water meter are the responsibility of the customer.

However, to provide assistance and promote goodwill, the District may consider crediting a water utility customer's account per policy noted in Ordinance #2000-3-1 (rental tenants not eligible for credit). For credit consideration, the water customer account holder **must complete Section 1 below**:

SECTION 1 - TO BE COMPLETED BY THE CUSTOMER

UTILITY CUSTOMER INFORMATION		(Please type or print clearly)
Customer Name: <i>colton campbell</i>	Service Address: <i>4371 hanna st Roseburg</i>	
Daytime Phone: <i>541-632-2235</i>	Account Number: <i>30000091</i>	<i>OR 97471</i>
REPAIR DATE	LEAK REPAIR RECEIPTS - PLEASE ATTACH	
Date Leak Repaired: <i>05/18/22</i>	<input type="checkbox"/> Attached <i>N/A</i>	
Brief Description of Leak Failure & Repair: <i>Line going into house</i>		
I certify that I am the account holder and that the leak has been repaired. I request that Roberts Creek Water District consider my request for a water leak credit.		
Customer Signature <i>colton</i>		Date <i>06/20/22</i>

SECTION 2 - TO BE COMPLETED BY DISTRICT BILLING DEPT

Date Form Received: <i>06/20/22</i>	Meter Read Date to use for Water Leak Credit Evaluation: <i>5/10/22 - 6/10/22</i>	If Credit Granted, Utility Bill Anticipated to Show the Credit Amount: <i>62.55</i>
Estimated leak period based on consumption history (attach service history):		<i>4/11/22 - 5/18/22</i>
Estimated normal billing during leak period:	<i>111.55</i>	Leak month billing: <i>242.65</i>
Past average normal billing in same billing cycle (or est avg billing if less than 1 yr of svc):		<i>(111.55)</i>
(NOTE: if estimating average consumption, attach calculation documentation)		
Estimated leak billing of the leak billing period divided by 2=		<i>131.10 / 2 = 62.55</i>
Leak gallons vs. normal usage gallons: <i>69,000 gal vs. 23,000 gal</i>		
Calculated water leak credit amount:		<i>62.55</i>
Reviewer's Initials: <i>DC</i>	Approver's Initials:	<input type="checkbox"/> Credit Granted <input type="checkbox"/> Credit Denied
		If Leak Credit Granted: Date Applied: _____ Initials: _____

RECEIVED

MAY 27 2022



GREEN AREA WATER & SANITARY AUTHORITY

BY: Water Leak Credit Request



Per Roberts Creek Water District Water Service Ordinance #2000-3-1, customers are responsible for all water consumption on the customer side of the water meter. As such, consumption charges for water leaks that originate on the customer side of the water meter are the responsibility of the customer.

However, to provide assistance and promote goodwill, the District may consider crediting a water utility customer's account per policy noted in Ordinance #2000-3-1 (rental tenants not eligible for credit). For credit consideration, the water customer account holder **must complete Section 1 below**.

SECTION 1 - TO BE COMPLETED BY THE CUSTOMER

UTILITY CUSTOMER INFORMATION		(Please type or print clearly)	
Customer Name <u>WILLIAM LENO</u>		Service Address <u>3594 CARNES RD</u>	
Daytime Phone <u>541-679-4214</u>	Account Number <u>1914000</u>	<u>ROSEBURG, OR</u>	
		<u>97471</u>	
REPAIR DATE	LEAK REPAIR RECEIPTS - PLEASE ATTACH		
Date Leak Repaired <u>5-23-2022</u>	<input checked="" type="checkbox"/> Attached		
Brief Description of Leak Failure & Repair: <u>CONNECTION UNDER DRIVEWAY BROKE</u>			
I certify that I am the account holder and that the leak has been repaired. I request that Roberts Creek Water District consider my request for a water leak credit.			
Customer Signature <u>William Leno</u>		Date <u>5-25-2022</u>	

SECTION 2 - TO BE COMPLETED BY DISTRICT BILLING DEPT

Date Form Received: <u>5.27.22</u>	Meter Read Date to use for Water Leak Credit Evaluation: <u>5/10/22 - 6/10/22</u>	If Credit Granted, Utility Bill Anticipated to Show the Credit Amount: <u>100.00</u>
Estimated leak period based on consumption history (attach service history):		<u>4/11/22 - 5/23/22</u>
Estimated normal billing during leak period:	<u>57.40</u>	Leak month billing: <u>262.60</u>
Past average normal billing in same billing cycle (or est avg billing if less than 1 yr of svc):		<u>(57.40)</u>
(NOTE: if estimating average consumption, attach calculation documentation)		
Estimated leak billing of the leak billing period divided by 2=		<u>205.20/2 = 102.60</u>
Leak gallons vs. normal usage gallons:		<u>76,000 gal vs. 4,000 gal</u>
Calculated water leak credit amount:		<u>100.00</u>
Reviewer's Initials: <u>PC</u>	Approver's Initials:	<input type="checkbox"/> Credit Granted
		<input type="checkbox"/> Credit Denied
		If Leak Credit Granted: Date Applied: _____ Initials: _____

RECEIVED

JUL 12 2022

BY: _____

7/8/22

Green Area Water & Sanitary Authority
4336 Old Hwy 99 South
Roseburg, OR 97471

Dear Sirs

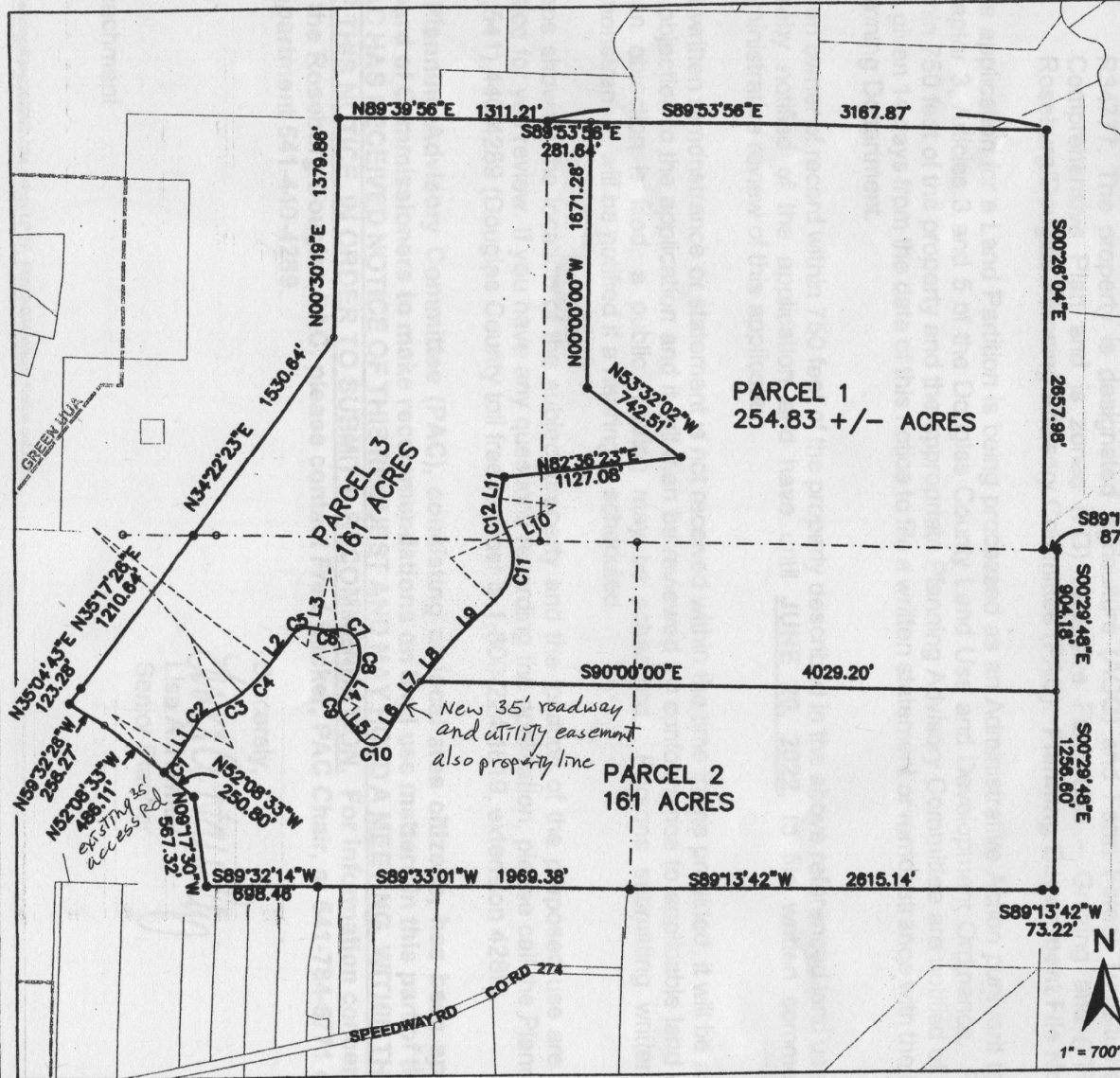
I am partitioning a 576 acre Parcel near your water tank off Speedway Road into 3 parcels (253 ac, 162, ac & 161 ac). These are resource properties but the County is still requiring that I show proof of water. A portion of parcels 2 and 3 are in your district but Parcel 1 is outside your district.

I met with Alan Paulson to discuss the possibility of getting a letter stating that water could be available for all 3 parcels. He suggested that I fill out your request for water on your web site (which I have done) and to follow it up with this letter.

I am buying parcel 1 and do not need water at this time but need to show it is available in order to complete the partition. Alan thought a meter could be put at the intersection of your water line from your tank and my access driveway (same driveway that you access your tank). From there it would be up to me to get the water on up to Parcel 1 at my expense (I have utility easements). I may never need your water and do not require anything at this time except a letter stating that water is available if I ever need it. It is my anticipation that all 3 parcels would drill wells if they ever need water.

The partition Planning Dept. # is 22-034. Alan has the map showing the new parcels. At this time all I need is a letter stating that water can be available for the 3 new parcels. I can be at your next meeting if you need me to be.

Sincerely
Harvey Wilcox, agent for Joseph Leininger
69968 Hwy 101
North Bend, OR 97459
(541) 759-4467
h.andk.wilcox@hughes.net



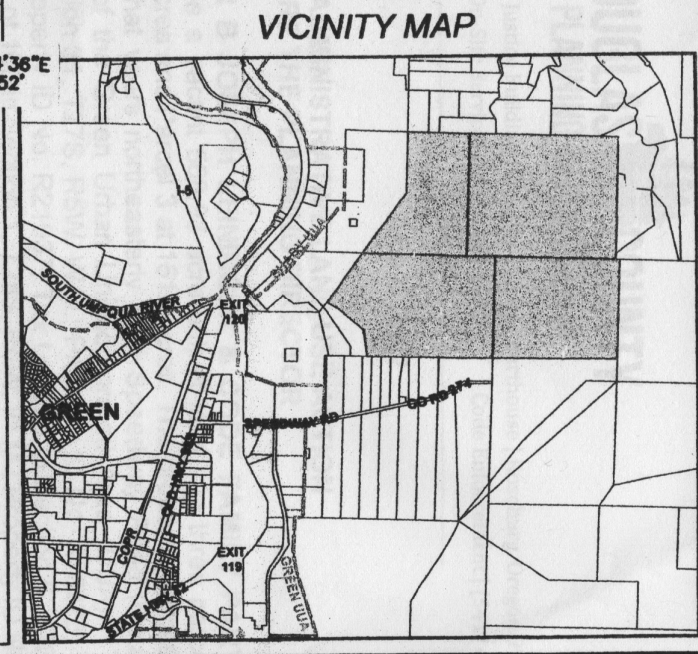
PARTITIONER
 NAME: Harvey Wilcox
 ADDRESS: 6996B Highway 101
 North Bend, OR 97459
 PH: (541) 259-4467
 email: h.andk.wilcox@hughes.net

LEGAL OWNER
 NAME: Joseph Leininger
 ADDRESS: 1400 16th St STE 320
 Denver, Co 80202

NUMBER OF PARCELS: 3
WATER SUPPLY: Wells
SEWER SUPPLY: on site septic
ZONE: FF & FG
PLAN: FFT & Agg

MAP PREPARED BY
 NAME: Harvey Wilcox
 ADDRESS: 6996B Highway 101
 North Bend, OR 97459

TOWNSHIP/RANGE/SECTION/TL: T275, R6W, Sec 36 TL 100
 T275, R5W, Sec 31 TL 1200
PROPERTY ID NUMBERS: T275, R5W, Sec 6 TL 200
 R21937 R34769 T285, R5W, Sec 6 TL 200
 R70233 R34769 T285, R6W, Sec 1 TL 100
 R32287 R34777



MINUTES OF THE GREEN AREA WATER & SANITARY AUTHORITY
BUDGET HEARING and BOARD OF DIRECTORS MEETING
June 16, 2022

Board Chair Tracey Parker opened the Budget Hearing at 5:00pm. Present were Board Directors Tracey Parker (via Zoom), Brenda Kingry, Carolyn White and Steve Lusch. Also present were GAWSA employees David Campos, Alan Paulson, and Shannon Miller. Also present was District resident Kat Stone. Director Tom Fullbright was absent.

Board Chair Tracey Parker invited the public to comment. There being no comment from the public, Chairperson Parker closed the Budget Hearing at 5:01pm.

Chairperson Parker called the regular Board meeting to order at 5:01pm.

Director Steve Lusch made a motion to approve the May regular Board meeting and Budget Committee meeting minutes, and May accounts payable. Director Carolyn White seconded the motion. The motion was unanimously approved.

General Manager David Campos presented the General Manager's Report. David stated that the 2021 Consumer Confidence Report is available on the GAWSA website, and a copy will be sent to all customers with their June billing statements.

David presented Resolution 2022-06-01 to adopt the 2022-2023 Budget and make appropriations. Director Brenda Kingry made a motion to adopt Resolution 2022-06-01, adopting the 2022-2023 Budget in the amount of \$10,496,927 and making appropriations. Director White seconded the motion. The motion was unanimously approved, and the Budget therefore adopted.

David presented to the Board a recap of GAWSA's first year in operation. Highlights of the recap included consolidation of the water and sewer billing systems, consolidation of administrative offices, and cross-training and cross-utilization of operations resources.

David presented a lease renewal for the pastureland on Harmony Lane. The renewal is for one year. Director Kingry made a motion to approve the Harmony pastureland lease renewal. Director Lusch seconded the motion. The motion was unanimously approved.

Collections System Supervisor Shannon Miller presented the sanitary operations report. The I & I report was recently completed. The process for maintenance of the sewer lines has changed somewhat. Although the crew is covering lineal footage at a slower rate, they are better able to identify problem areas.

Shannon stated that the flow meter at G4 pumpstation is being installed and should be up and running soon.

The asbestos abatement at the Krohn Lane property should begin in the next week.

Operations Superintendent Alan Paulson presented the water operations report. Alan informed the Board that Douglas County Fire District No. 2 is approximately 2/3 through flushing hydrants in the district.

MINUTES OF THE GREEN AREA WATER & SANITARY AUTHORITY
BUDGET HEARING and BOARD OF DIRECTORS MEETING
June 16, 2022

Alan stated that the compressor is finally back up and running at the water treatment plant, we are just waiting on the drying unit, which does not have an effect operationally, but will affect longevity of the compressors.

Alan stated that Camp Creek Electric has been onsite at the water treatment plant, installing a power meter and replacing some very old components.

A system survey was recently conducted on our drinking water system. The survey went great.

Alan added that the sediment basin has been taken offline for the summer.

Chairperson parker noted that the wastewater treatment facility report looked great.

There being no further business before the Board, Director Kingry made a motion to adjourn the meeting. Director Lusch seconded the motion. President Parker adjourned the meeting at 5:14pm.

Steve Lusch, Board Secretary

Tracey Parker, Board Chair

**GAWSA
ACCOUNTS PAYABLE
JUNE 2022**

DATE	CK#	ACCOUNTS PAYABLE FOR JUNE 2022		AMOUNT
6/3/2022	10472	Cintas	First aid refill water plant	68.07
"	10473	McGovern Metals	Materials for bulk water meters	55.40
"	10474	Northwest Local Gov't Legal Adv	Document preparation, consult re: utility shut-offs	1,045.00
"	10475	Pacific Power	Sanitary office, pumpstations, rentals electricity	1,809.39
"	10476	Rock-It Man Trucking	Haul rock for stockpile, Carnes	400.00
"	10477	SDIS	June health/supplemental insurance premiums	25,573.64
"	10478	Sealing Systems, Inc.	Manhole sealant	672.87
"	10479	Stapel Pest Solutions	Pest control - sanitary office	90.00
"	10480	SO Backflow Techs	22 non-comp backflow tests	660.00
"	10481	Streamline	GSD website fee - 3 mo.	600.00
"	10482	Systech Consulting	Managed IT service plan	1,129.00
"	10483	Trojan UV	Ballast	1,839.87
"	10484	True North Equipment	Tiger tail for CCTV camera	153.03
"	10485	Umpqua Research	Water sample testing	654.00
"	10486	Umpqua Quarries	Crushed rock for inventory	298.42
"	10487	USA Blue Book	Calibration buffers	293.09
"	10488	Verizon Wireless	Tablet line	50.29
"	10489	Wells Fargo Bank	Sanitary office Quickbooks	131.31
"	10490	Winston Sanitary Service	200 gal weekly dumpster	90.60
"	10491	Winston Auto Parts	Antifreeze for skid steer, maintenance - flusher truck	60.66
"	10492	A.R.T. Asbestos & Radon Testing	Asbestos Testing 3836 Krohn Ln	471.00
"	10493	WECI	Chemical Pump for MIOX	4,632.60
"	10494	Atlas Copco Compressors	Plant compressor repair, maintenance kit, valve reg	10,512.34
"	10495	PAPE Kenworth	Service 2005 Camel truck	351.69
"	10496	Ashley Moss	Deposit refund on final bill	16.00
6/16/2022	10500	Bassett-Hyland Energy Co.	Fuel 5/15 - 5/31	593.22
"	10501	Continental Utility Solutions Inc.	May merchant services	1,774.37
"	10502	Consolidated Supply Co.	20 ball valves and hand levers	1,989.28
"	10503	DC Farmers Co-op	Pressure guages for G4, Glystar and blue tint	172.00
"	10504	Fastenal	Padlocks	304.46
"	10505	Long's Building Supply	Shims to adjust manholes	31.07
"	10506	Metereaders LLC	June meter readings	2,370.00
"	10507	Neuner Davidson Co.	RCWD/GSD final audit billings	7,600.00
"	10508	Occuhealth	ODOT Physical - JM	110.00
"	10509	News Review	Budget Hearing postings	561.00
"	10510	Oregon DEQ	Matt Chasteen certification renewal	160.00
"	10511	Oregon Govt Ethics Commission	Annual dues	548.82
"	10512	SDIS	July Health/Supplemental premiums	26,125.12
"	10513	Stapel Pest Solutions	June service - GSD office	45.00
"	10514	Umpqua Quarries	Crushed rock for inventory	284.98
"	10515	Winston Sanitary Service	Dumpster Carnes Shop	90.60
"	10516	Winston Auto Parts	Light bulbs for G4 panels, battery, fuse holder, filters	293.57
6/20/2022	10517-10528	Various customer accounts	Refunds on final billing	379.81
6/22/2022	10529	Oregon Division of Audits	Audit filing fees - RCWD/GSD	500.00
"	10530	Avista	Nat. Gas - Both offices, Carnes Shop, Highland Vista	186.50
"	10531	Pacific Power	Electricity - sanitary office, pumpstations, rentals	1,800.77
6/23/2022	10532	Costco Membership	Dues Renewal	180.00
"	10533	Shannon Miller	Reimburse - ODOT physical	150.00
6/30/2022	10534	Edward Jones Co.	Quarterly SEP IRA contribution	23,647.56
TOTAL ACCOUNTS PAYABLE FOR JUNE 2022				<u>121,556.40</u>

GREEN AREA WATER & SANITARY AUTHORITY
GENERAL MANAGER'S REPORT
July 14, 2022

Delinquent Sewer Account Turnover

We will only turn over a couple delinquent sewer-only accounts to the Douglas County Tax Assessor, totaling \$760.00 with penalties included. The average annual turnover by Green Sanitary District was over \$60,000. There are a few customers whose water and sewer accounts have been consolidated and are on special payment arrangements in order to avoid water shut-off. But as you can see the consolidation has been a great benefit for payment turnover.

GAWSA Rules & Regulations

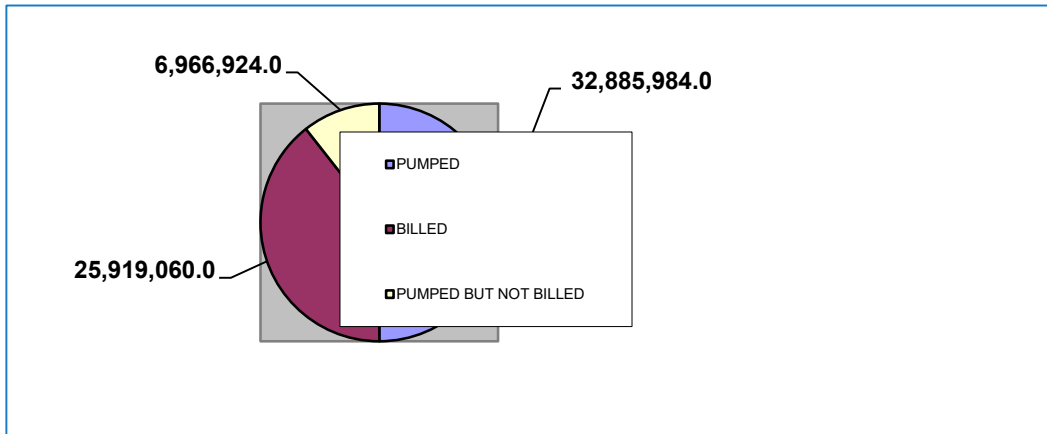
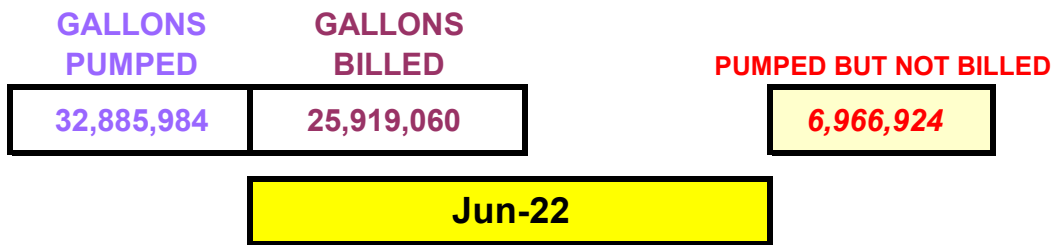
We plan to begin working on drafting new rules and regulations soon, as the need to adopt new, uniform policies is ever-increasing. I would like to establish a committee with two Board members and several staff members for a collaborative effort.

Office Remodel

Tom Rogers is still swamped, but I spoke with him recently and he will need to visit the sanitary office to address some questions he has. He and I will coordinate a time to meet next week.

GAWSA Financial Institution-of-Record

I have been going back and forth with Umpqua Bank about the high account fees we are incurring lately. The came back with a proposal that would keep the fees under \$200 per month. I still feel this may be a good opportunity to re-evaluate our banking relationship and see if there are better options for banking available to us. If the Board approves, we will work on getting an RFP out to prospective financial institutions.



30 DAYS IN BILLING CYCLE: 5/11/22 TO 6/10/22

Repairs, leaks, etc. rendering unverifiable consumption

3/17/22	890 TIPTON	REPAIR SERVICE
3/18/22	4392 HANNA ST	LEAK OUR SIDE
3/28/22	4341 HANNA ST	REPAIR SERVICE
3/29/22	2928 OLD HWY 99S	REPAIR SERVICE
4/4/22	110 BALBOA	REPLACE SERVICE
4/6/22	2292 AUSTIN RD	REPAIR SERVICE
4/7/22	416 HARMONY	REPAIR SERVICE
5/10/22	154 MAYWOOD	REPAIR SERVICE
5/24/22	5370 GRANGE	REPAIR 10" MAINLINE
5/31/22	4324 DEPRIEST	REPAIR 6" MAIN
6/3/22	596 CORONA LP	REPAIRED SVC LINE
6/7/22	1891 LINNELL AVE	REPAIRED 4" MAIN
6/10/22	582/596 CORONA LP	REPLACED SADDLE/SERVICE LN

2020-2021	DIFFERENCE	2021-2022	DIFFERENCE	2022-2023	DIFFERENCE
JULY	5,124,050	JULY	14,424,768	JULY	
AUGUST	1,873,280	AUGUST	891,740	AUGUST	
SEPTEMBER	7,835,590	SEPTEMBER	9,399,209	SEPTEMBER	
OCTOBER	1,704,864	OCTOBER	6,648,943	OCTOBER	
NOVEMBER	3,603,559	NOVEMBER	5,345,660	NOVEMBER	
DECEMBER	5,821,078	DECEMBER	5,288,999	DECEMBER	
JANUARY	8,863,858	JANUARY	4,577,755	JANUARY	
FEBRUARY	5,784,803	FEBRUARY	6,488,224	FEBRUARY	
MARCH	6,445,800	MARCH	5,547,050	MARCH	
APRIL	8,701,086	APRIL	7,211,784	APRIL	
MAY	5,314,222	MAY	5,995,498	MAY	
JUNE	6,358,042	JUNE	6,966,924	JUNE	



Oregon Health Authority
Drinking Water Program



This is to certify that the
Green Area Water & Sanitary Authority
has successfully met the criteria for
Outstanding Performance
during the last Water System Survey conducted on
May 20th, 2022

David H. Emme, Manager
Drinking Water Services
Oregon Health Authority

SANITARY OPERATIONS REPORT

July 14, 2022

Construction Projects

- Brittney Avenue Subdivision, ie Engineering.
 - Parts are being bid. Parts and availability appear to be slowing projects.
- Shawn Bateson Development, MIDEA Engineering.
 - Nothing new to report.
- Vanacker Depriest development, line extension, ie Engineering.
 - Nothing new to report.
- ODOT Hwy 42/99 Access Turnout project.
 - Nothing new to report.

Collection System

- Manhole inspections project, underway, 'N' Basin.
- Temporary TV trailer.
 - 'P' Basin, flushing and CCTV Complete.
 - Starting 'N' Basin.
 - Permanent TV trailer, delayed from factory crew illnesses.
- Cross training with water/sanitary crews, underway.
- Camel water pump crank shaft is bad and is being rebuilt.
 - Camel parts are being shipped.
- Flushing is being completed with the VAC-CON while Camel is down.
 - VAC-CON has water leak from pressure pump head caps, ordered parts.
- GIS aerial imaging has been updated and includes all GAWSA service areas.

G4 and Pump Stations

- Pump Stations ran well, with typical operation and maintenance.
- Temporary metering option for G4.
 - Meter is working.

Wastewater Treatment Plant and Properties

- Krohn property
 - Demo of the buildings is nearing completion.

Meetings and Conferences

- I attended the DUCC meeting.

Lateral Inspections

- 2 Inspections.
 - 106 Clellon Ct, new connection.
 - 123 Heatherwood
 - 600 Brady, new connection.
 - 4276 Old Hwy 99S, Addition.

If you have any questions, feel free to contact me at 541-817-5100

Submitted by, Shannon L. Miller

Green Area Water & Sanitary Authority

Superintendents Report

July 2022

Atlas Copco is scheduled to install the dryer for our air system, July 21st.

Camp Creek Electric has completed installing a power meter and replacing some outdated electric switches. They will return at a later date to update some security lighting at the plant.

The crew has been working on the demolition of the structures on the Krohn Ln. property.

Members of the crew attended a demonstration for Hymax Couplings that was hosted at the Winston water treatment plant.

The counting of inventory has been completed.

Our yearly servicing of our raw water pumps has been completed by Flyght. They checked out fine.

There are some pending construction projects, but they've been quiet lately.

If you have any questions, please feel free to give me a call at 541-670-1215

Thanks Alan



Staff Report

WWTF 22-02

- Subject:** Motion to Approve
- Date:** July 11, 2022
- Prepared by:** Christopher Sherlock
- Title:** **Pump De-Ragger**
- Background:** The main influent pumps to the treatment plant are original to the plants construction. Although they are “Non Clog” pumps they still experience ragging and clogging.
- Analysis:** Currently staff is cleaning pumps 4-5 times per week to deal with ragging and clogging issues with the pumps. This leads to down times with the pumps, staff time to clean them and at times call out situations in order to maintain flow through the plant.
- Recommendation:** Staff found that Clearwater Systems makes an ad on standalone de-ragger system that can be added to any pump. This system works by being installed on the electrical side of the pump. It then makes a base line graph of the pump’s amperage. When the amperage differs from the base line it shuts the pump off and spins it backwards clearing the clog. Staff Recommends the purchase of 3 Clearwater Controls De-ragger systems from Correct Equipment in the amount of \$13,450
- Financial Impact:** The total purchase amount is \$13,450. The cost that Green Area Water and Sanitary would incur is \$6,725, leaving The City of Winston responsible for the remainder \$6,725.



Staff Report

WWTF 22-03

- Subject:** Motion to Approve
- Date:** July 11, 2022
- Prepared by:** Christopher Sherlock
- Title:** **Aeration Basin DO Actuator's**
- Background:** The current setup for Dissolved Oxygen (DO) control is by manually opening or closing the valves at the aeration basin. The oxygen demands on each side of the basin change from day to night so staff currently sets the valves so that neither the amount of air is sufficient for both day and night. As the demands for the plant increase the need to better control the DO has increased as well.
- Analysis:** The easiest way to control DO to each basin is to add an actuator to the existing valves. Currently staff has electric over mechanical actuators used in different processes of the plant. This style of actuator is inexpensive and works well with an Open/ Close situation or where precision is not needed in a modulating actuator. When controlling air through a pipe precision is needed along with the ability to have an infinite amount of cycles per hour.
- Recommendation:** In order to get more precision out of an actuator an electric over hydraulic actuator is needed. This limits the options of actuators to one Company which is Rexa. The cost of 2 actuators is \$36,848
- Financial Impact:** The total purchase amount is \$36,848. The cost that Green Area Water and Sanitary Authority would incur is \$18,242, leaving The City of Winston responsible for the remainder \$18,424.



Staff Report

WWTF 22-04

Subject: Motion to Approve

Date: July 11, 2022

Prepared by: Christopher Sherlock

Title: **Task Order Amendment # 7 with Carollo**

Background: Carollo Engineering has been with the plant since the late 90's when they designed the Phase 1 upgrade and have continued through the Phase 2 upgrade in 2012. Staff reached out to Carollo to perform a flow and load projections for the treatment facility.

Analysis: The load and flow projections for the plant will be looked at by Carollo and at the end a recommendation will be made in terms of treatment capacity and if upgrades are needed to the facility. If it is determined that the plant is at capacity and upgrades are needed then at that time, we would ask Carollo to come up with an engineered plan for expansion needs.

Recommendation: It is recommended that Amendment #7 with Carollo is approved in order to perform a load and flow analysis.

Financial Impact: The total amount is \$44,172. The cost that Green Area Water and Sanitary Authority would incur is \$22,086, leaving The City of Winston responsible for the remainder \$22,086.

FLOW ALLOCATION CHART

MONTH	WINSTON MG	GREEN MG	LANDERS LN. MG	TOTAL MG	RAINFALL
Jan.22	38.71	30.97	0.956	70.63	3.29
Feb.22	18.32	19.47	0.445	38.24	0.85
Mar.22	28.65	28.44	0.723	57.81	3.07
Apr.22	36.50	29.80	0.808	67.11	5.16
May.22	29.32	24.22	0.526	54.07	2.66
June.22	27.72	22.73	0.520	50.96	3.92
July.21	16.17	18.21	0.329	34.70	0.00
Aug.21	15.86	18.09	0.388	34.33	0.00
Sept.21	16.41	18.63	0.501	35.54	2.85
Oct.21	19.05	22.33	0.570	41.96	3.64
Nov. 21	21.15	22.09	0.595	43.83	2.40
Dec.21	36.70	34.01	0.964	71.68	6.78
TOTAL	304.57	288.97	7.325	600.86	34.62
GREEN + LANDERS		296.30			
APPORTIONMENT	50.69%	49.31%			
			100%		

Winston- Green WWTF Staff Report

June 2022

General

1.) Plant Influent Flow (MG)	<u>2022</u>		<u>2021</u>	
<i>Winston</i>	27.72	55%	18.21	50%
<i>Green</i>	22.73	45%	18.27	50%
<i>Rainfall</i>	3.92		1.2	
<i>Chlorine (Gallons)</i>	20,791		10,702	

Laboratory

- 1.) June 2022 DMR, No permit violations
- 2.) Performed all DMR QA 42 tests

Operations

- 1.) Routine Operations- Daily Rounds
- 2.) Primary Clarifier 1 Offline & # 2 Online

Bio-Solids

- 1.) Drying Beds: 132,600 gallons
- 2.) Land Application: 27,000 gallons
- 3.) Dried Biosolids:
 - Solids are tested and are ready to be hauled

Leachate

- 1.) 682,000 gallons, Douglas County was able to recirculate leachate within the landfi

Leachate Load Tickets -

<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>
6/1	7:00 AM	384	8.36	6/2	6:51 AM	366	8.36	6/3	7:35 AM	368	8.30
6/1	10:29 AM	384	8.26	6/2	12:00 PM	360	8.18	6/3	9:30 AM	368	8.25
6/1	11:39 AM	384	8.20					6/3	10:45 AM	368	8.24
6/1	1:34 PM	384	8.14					6/3	2:18 PM	368	8.21
6/1	2:36 PM	384	8.20					6/3	3:40 PM	368	8.27
Total Gallons:		27,500	5	Total Gallons:		11,000	2	Total Gallons:		27,500	5
<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>
6/4	7:17 AM	438	8.37	6/5	6:45 AM	400	8.33	6/6	10:55 AM	386	8.36
6/4	10:38 AM	438	8.27	6/5	8:32 AM	400	8.28	6/6	11:56 AM	386	8.25
				6/5	9:30 AM	400	8.25	6/6	12:57 PM	386	8.21
				6/5	10:31 AM	400	8.23	6/6	2:03 PM	386	8.18
								6/6	3:21 PM	386	8.16
Total Gallons:		11,000	2	Total Gallons:		22,000	4	Total Gallons:		27,500	5
<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>
6/7	9:30 AM	454	8.34	6/8	9:15 AM	362	8.28	6/9	7:18 AM	392	8.41
6/7	10:39 AM	408	8.26	6/8	10:39 AM	362	8.23	6/9	8:55 AM	392	8.31
6/7	11:50 AM	408	8.23	6/8	11:40 AM	362	8.22	6/9	10:15 AM	392	8.27
6/7	1:33 PM	408	8.20	6/8	1:04 PM	362	8.19	6/9	11:25 AM	392	8.25
								6/9	12:45 PM	392	8.20
Total Gallons:		22,000	4	Total Gallons:		22,000	4	Total Gallons:		27,500	5
<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>
6/10	7:23 AM	356	8.33	6/11	7:15 AM	376	8.33	6/12	6:50 AM	364	8.31
6/10	9:25 AM	356	8.28	6/11	9:03 AM	376	8.26	6/12	8:50 AM	364	8.30
6/10	10:37 AM	356	8.22	6/11	10:30 AM	376	8.25	6/12	9:46 AM	364	8.29
6/10	11:56 AM	356	8.20	6/11	12:09 PM	376	8.24	6/12	10:51 AM	364	8.33
6/10	1:24 PM	356	8.20					6/12	12:45 PM	364	8.27
Total Gallons:		27,500	5	Total Gallons:		22,000	4	Total Gallons:		27,500	5
<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>
6/13	7:05 AM	334	8.31	6/14	7:20 AM	342	8.37	6/15	7:11 AM	264	8.29
6/13	8:58 AM	334	8.27	6/14	8:53 AM	342	8.25	6/15	8:57 AM	264	8.22
6/13	10:16 AM	334	8.29	6/14	11:35 AM	342	8.22	6/15	10:19 AM	264	8.18
6/13	12:26 PM	334	8.23	6/14	12:38 PM	342	8.19	6/15	12:32 PM	264	8.10
								6/15	2:00 PM	264	8.06
Total Gallons:		22,000	4	Total Gallons:		22,000	4	Total Gallons:		27,500	5
<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>
6/16	7:05 AM	256	8.25	6/17	7:49 AM	260	8.27	6/18	6:49 AM	282	8.27
6/16	8:40 AM	256	8.22	6/17	9:28 AM	260	8.17	6/18	8:20 AM	282	8.17
6/16	10:15 AM	256	8.17	6/17	10:50 AM	260	8.14	6/18	9:49 AM	282	8.15
6/16	11:25 AM	256	8.16					6/18	11:04 AM	282	8.12
								6/18	12:29 PM	282	8.11
Total Gallons:		22,000	4	Total Gallons:		16,500	3	Total Gallons:		27,500	5
<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>
6/19	7:00 AM	226	8.17	6/20	11:20 AM	294	8.16	6/21	7:56 AM	282	8.28
6/19	9:00 AM	226	8.13	6/20	1:41 PM	276	8.07	6/21	9:12 AM	279	8.21
6/19	10:00 AM	226	8.13	6/20	2:42 PM	276	8.08	6/21	10:13 AM	279	8.19
6/19	11:30 AM	226	8.12			276	8.10	6/21	12:15 PM	279	8.14
Total Gallons:		22,000	4	Total Gallons:		22,000	4	Total Gallons:		22,000	4

Leachate Load Tickets -

<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>
6/22	10:30 AM	310	8.24	6/23	7:00 AM	332	8.30	6/24	7:04 AM	350	8.30
6/22	12:05 PM	316	8.16	6/23	8:00 AM	332	8.29	6/24	8:48 AM	350	8.26
6/22	1:43 PM	316	8.08	6/23	9:20 AM	332	8.27	6/24	10:09 AM	350	8.23
6/22	3:01 PM	316	8.09	6/23		332	8.09	6/24	1:00 PM	350	8.12
				6/23	3:50 PM	332	8.08				

Total Gallons: 22,000 4 Total Gallons: 27,500 5 Total Gallons: 22,000 4

<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>
6/25	6:40 AM	318	8.34	6/26	7:00 AM	388	8.31	6/27	7:04 AM	334	8.38
6/25	8:00 AM	318	8.25	6/26	9:34 AM	388	8.25	6/27	8:30 AM	334	8.31
6/25	9:00 AM	318	8.19	6/26	10:40 AM	388	8.21	6/27	9:40 AM	334	8.25
6/25	10:30 AM	318	8.19	6/26	12:07 PM	388	8.14				

Total Gallons: 22,000 4 Total Gallons: 22,000 4 Total Gallons: 16,500 3

<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>	<u>Date</u>	<u>Pick up</u>	<u>mg/l</u>	<u>PH</u>
6/28	8:30 AM	456	8.39		7:50 AM	374	8.41	6/30	6:49 AM	432	8.36
6/28	9:40 AM	372	8.36		9:22 AM	374	8.33	6/30	8:20 AM	432	8.33
6/28	10:55 AM	372	8.33		10:35 AM	374	8.31	6/30	9:43 AM	432	8.33
6/28	12:01 PM	372	8.28	6/29	11:48 AM	374	8.29	6/30	12:35 PM	432	8.28
								6/30	2:20 PM	432	8.15

Total Gallons: 22,000 4 Total Gallons: 22,000 4 Total Gallons: 27,500 5

TOTAL TICKETS: 124
TOTAL GALLONS/MONTH: 682,000
 \$13,640

WINSTON-GREEN WWTF

JUNE 2022

SYSTEM CLASSIFICATION: IV PERMIT # 100554
 COUNTY: DOUGLAS

POPULATION: 10000 TYPE: RBC / ACTIVATED SLUDGE
 FILE # 98400

D A T E	BIOSOLIDS										DRYING BEDS			RAIN FALL							
	TOTAL FLOW MGD	INF PH	INF CBOD mg/l	INF SS mg/l	NH3 N EFF	TKN EFF	NO2 EFF	NO3 EFF	TOTAL P EFF	EFF PH	EFF TEMP MAX	EFF CBOD mg/l	% REM CBOD	% REM SS	LBS DIS SS	CL2 RES mg/l	CL2 USED GAL.	ECOLI COL	LAND gallons	DRYING BEDS gallons	RAIN FALL inches
1	1.276	6.84								6.84	19.1				0.02	614	<1				
2	1.239	7.39	274	520	0.35					6.42	19.3	4.6	98%	48	1.8	100%	19	0.05	622	32.7	
3	1.274	7.27								6.68	18.9				0.03	627				0.06	
4	1.601	7.52								6.77	18.8				0.03	667				0.76	
5	1.900	7.49								6.92	18.9				0.04	702				0.21	
6	1.618	7.17	173	310	0.15	8.84	0.10	15.0	2.90	6.88	19.1	6.4	96%	86	4.6	99%	62	0.02	681		0.01
7	1.487	7.37								7.03	18.9				0.05	660	<1				
8	1.408	6.96	220	405						6.88	19.1	4.3	98%	50	3.4	99%	40	0.05	676	3.1	22200
9	1.313	7.51								6.93	19.3				0.02	523				11100	
10	1.269	7.36	287	431	2.05					6.62	20.2	5.4	98%	57	1.0	100%	11	0.03	590		0.19
11	2.217	7.26								6.84	19.9				0.06	734				0.83	
12	3.932	7.14								6.90	19.2				0.04	792				1.12	
13	2.801	6.94								6.91	18.6				0.03	773				0.20	
14	2.257	7.20								6.99	18.9				0.06	639					
15	1.956	6.86	105	231	0.18	2.43	0.07	11.8	1.13	6.82	19.2	4.0	96%	65	2.4	99%	39	0.05	755	5.2	
16	1.841	7.23								6.96	18.9				0.07	723	<1			0.12	
17	1.986	6.89	146	326	0.38					6.76	18.8	2.8	98%	46	1.6	100%	27	0.04	737		12210
18	1.904	7.15								6.76	18.8				0.05	721				0.06	
19	1.784	7.2								7.06	18.9				0.04	703					
20	1.697	6.64	139	268	0.11	2.89	0.04	14.2	2.41	6.81	19.0	3.3	98%	47	1.8	99%	25	0.05	691		11550
21	1.528	7.22								7.01	19.3				0.04	671	<1			37800	
22	1.470	6.83	170	399	1.80					6.73	20.4	2.7	98%	33	1.6	100%	20	0.06	662	<1	
23	1.400	7.40								6.96	20.4				0.04	735					
24	1.305	7.16	144	347						6.67	20.5	2.9	98%	32	1.6	100%	17	0.04	739		
25	1.310	7.11								6.86	21.0				0.02	708					
26	1.421	7.56								7.15	21.5				0.01	728				11100	
27	1.343	7.39	138	415	0.99	4.51	0.12	17.2	3.69	6.82	21.8	5.5	96%	62	1.2	100%	13	0.01	730		4,500 26640
28	1.273	7.82								7.24	21.6				0.06	732	<1		9,000		
29	1.293	6.92	193	454	0.93					6.83	21.4	4	98%	43	2.0	100%	22	0.06	725	46.7	4,500
30	1.340	7.2								6.88	21.3				0.05	731			9,000		
TOT	50.44													569		294	####		27,000	132,600	3.92
MAX	3.932	7.8	287	520	2.05	8.84	0.12	17.2	3.7	7.2	21.8	6.4	98%	86	4.6	100%	62	0.07	792	46.7	9,000 37,800
MIN	1.239	6.6	105	231	0.11	2.43	0.04	11.8	1.1	6.4	18.6	2.7	96%	32	1.0	99%	11	0.01	523	3.1	4,500 11,100
AVG	1.681	7.2	181	373	0.77	4.67	0.08	14.6	2.5	6.9	19.7	4.2	98%	52	2.1	99%	27	0.04	693	2.7	6,750 18,943
LBS AVG																					0.36

EXCESS THERMAL LOAD WEEKLY AVG. Mkcals/day	EFF TEMP @ WEEKLY AVG.
5	8.1
12	8.2
19	10.9
26	17.8

I certify that I am familiar with the information contained in this report and that to the best of my knowledge such information is true, complete and accurate.
 Christopher W. Sherlock
 SUPERINTENDENT T IV