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DEC 19 2024



# GREEN AREA WATER & SANITARY AUTHORITY

## Water Leak Credit Request



Per Green Area Water & Sanitary Authority 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 Authority 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>Deana Adair</u>		Service Address: <u>4013 Hanna St. Roseburg, OR 97471</u>
Daytime Phone: <u>541-530-6443</u>	Account Number: <u>454000</u>	

#### REPAIR DATE

#### LEAK REPAIR RECEIPTS - PLEASE ATTACH

Date Leak Repaired: <u>10/23/2024</u>	<input type="checkbox"/> Attached
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Brief Description of Leak Failure and Repair:  
A water leak on my side of meter box. Yeager's Plumbing Repaired it.

I certify that I am the account holder and that the leak has been repaired. I request that Green Area Water & Sanitary Authority consider my request for a water leak credit.

Customer Signature Deana Adair Date 12/19/24

### SECTION 2 - TO BE COMPLETED BY AUTHORITY BILLING DEPT

Date Form Received:

12/19/2024

Meter Read Date to use for Water Leak Credit Evaluation:

11/10/2024

If Credit Granted, Utility Bill Anticipated to Show the Credit Amount:

Estimated leak period based on consumption history (attach service history): 10/11/24 - 10/23/24

Estimated normal billing during leak period: 51.50 Leak month billing: 119.90

Past average normal billing in same billing cycle (or est avg billing if less than 1 yr of svc): ( 51.50 )  
(NOTE: if estimating average consumption, attach calculation documentation)

Estimated leak billing of the leak billing period divided by 2= 68.40 / 2 = 34.20

Leak gallons vs. normal usage gallons: 34,000 vs 10,000 gallons

Calculated water leak credit amount: 34.20

Reviewer's Initials:

DC

Approver's Initials:

Credit Granted

Credit Denied

If Leak Credit Granted:

Date Applied: \_\_\_\_\_ Initials: \_\_\_\_\_

MINUTES OF THE GREEN AREA WATER & SANITARY AUTHORITY  
BOARD OF DIRECTORS MEETING  
December 12, 2024

BOARD DIRECTORS PRESENT:

Tracey Parker, Chair  
Brenda Kingry, Treasurer  
Steve Lusch, Secretary  
Tom Fullbright  
Carolyn White

BOARD DIRECTORS ABSENT:

None

GAWSA STAFF PRESENT:

David Campos, General Manager  
Shannon Miller, Collection System Supervisor

ALSO PRESENT:

Chris Sherlock, Wastewater Treatment Facility Superintendent (City of Winston)

Board Chair Tracey Parker called the meeting to order at 5:03pm.

For the consent agenda, the Board reviewed submitted leak adjustment credit requests. Director Steve Lusch made a motion to approve the following water leak bill adjustments:

Leesa Carter: \$98.32  
Josue Cortez Sosa: \$48.45

Director Tom Fullbright seconded the motion. The motion passed unanimously.

Director Fullbright made a motion to approve the November regular board meeting minutes and accounts payable. Director Carolyn White seconded the motion. The motion passed unanimously.

**General Manager's Report**

David Campos presented a Leachate Conveyance Intergovernmental Agreement (IGA) drafted by Douglas County. Under the agreement, Douglas County will discharge leachate at the GAWSA manhole on the north end of Ingram Drive at a cost of \$0.0065 per gallon. The agreement was discussed at the previous month's board meeting. Director Fullbright asked if GAWSA had any recourse should the County not pay its invoices. Collection System Supervisor Shannon Miller stated that we can block the County from discharging further in the event of non-payment. Director Lusch made a motion to approve the leachate IGA. Director Kingry seconded the motion. The motion passed unanimously.

David presented an Intergovernmental Agreement (IGA) drafted by Douglas County for Nearmap aerial imagery. Douglas County annually contracts for aerial imagery of the entire county. As part of the IGA, GAWSA pays Douglas County for the Green district imagery at a cost of \$1,253.28. David added that the cost is very reasonable for the level of benefit in having the imagery for our GIS. Director White

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made a motion to approve the Nearmap IGA with Douglas County. Director Kingry seconded the motion. The motion passed unanimously.

David presented Resolution 2024-12-01, a resolution establishing a Public Meetings Policy for GAWSA. David stated that the policy essentially contains the practices already implemented by GAWSA for public meetings, it just puts them into a written document. Having the policy in place makes the Authority eligible for a credit on its insurance premiums. Director Lusch made a motion to adopt Resolution 2024-12-01. Director Fullbright seconded the motion. The motion passed unanimously.

David informed the Board he will be meeting with Umpqua Insurance to review the Authority's property/liability/casualty insurance policy renewal.

**Sanitary Operations Report**

Shannon Miller informed the Board that a pre-construction meeting was held for development of Donald Trump Lane.

**Water Operations Report**

In the absence of Superintendent Alan Paulson, David delivered the water operations report.

The new membrane filters have been delivered to the treatment plant, and GAWSA is awaiting approval from Oregon Drinking Water Services for installation.

David revisited the gallons pumped-versus-billed variance, as this is an ongoing issue. David stated that Alan manually re-calculated the gallons pumped totals which resulted in a more reasonable variance. Staff will continue to investigate this issue.

A revised lead and copper survey has been submitted to the state.

GAWSA recently sold three pieces of equipment through GovDeals, including a service truck, the old water vac trailer, and old sewer pumper truck.

**Wastewater Treatment Facility Report**

Chris Sherlock stated that the facility had several chlorine leaks with the onsite chlorine generation system, so we will plan to budget for replacement of tanks, lines, etc. with that system.

It is anticipated that The Automation Group (TAG) will install PLC upgrades around March.

Chris requested Board approval for the installation of previously purchased aeration basin blowers for the wastewater treatment plant. The lowest bidder for the project was Bateson Enterprises at \$42,500. Director Kingry made a motion to approve the installation by Bateson Enterprises. Director White seconded the motion. The motion passed unanimously.

Director Lusch inquired about a spike in NH<sub>3</sub>-N numbers reported in November. Chris stated that staff is aware that someone discharged approximately 6,000 gallons of unknown substance in the middle of

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BOARD OF DIRECTORS MEETING  
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the night in Winston that affected the treatment plant. City police were made aware of the occurrence, and the plant has recovered since.

Director Fullbright made a motion to adjourn the meeting. Director Kingry seconded the motion. The motion passed unanimously, and the meeting was adjourned the meeting at 5:25pm.

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Board Member

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Tracey Parker, Board Chair

**Green Area Water & Sanitary Authority**  
**GAWSA Expense Detail**  
December 2024

Type	Date	Num	Name	Memo	Debit	Credit	Balance
<b>506-1 · Health Ins Benefits- WA</b>							
Check	12/18/2024	11781	SDIS	January health and supplemental ins premiums	4,752.76		4,752.76
Total 506-1 · Health Ins Benefits- WA					4,752.76	0.00	4,752.76
<b>506-2 · Health Ins Benefits - SA</b>							
Check	12/18/2024	11781	SDIS	January health and supplemental ins premiums	4,752.76		4,752.76
Total 506-2 · Health Ins Benefits - SA					4,752.76	0.00	4,752.76
<b>512-1 · Legal Fees - WAdmin</b>							
Check	12/18/2024	11790	NORTHWEST LOCAL GOVERNMENT ...	Inv #13881 / review and comment on engineering svc agreement	314.43		314.43
Total 512-1 · Legal Fees - WAdmin					314.43	0.00	314.43
<b>512-2 · Legal Fees - SAdmin</b>							
Check	12/18/2024	11790	NORTHWEST LOCAL GOVERNMENT ...	Inv #13881 / review and comment on engineering svc agreement	314.43		314.43
Total 512-2 · Legal Fees - SAdmin					314.43	0.00	314.43
<b>515-1 · Office Supplies - WA</b>							
Check	12/12/2024	11751	CANON SOLUTIONS AMERICA, INC.	Inv #6010000630 / Admin office copier maintenance 10/20 - 11/19	23.65		23.65
Check	12/18/2024	11779	PENS.COM	Inv #114012676 / Stick up calendars	84.74		108.39
Check	12/18/2024	11780	QUILL	Inv #41624130 / file folders, pens, desk calendars	28.23		136.62
Check	12/18/2024	11780	QUILL	Inv #41672700 / 3-ring binder	3.82		140.44
Check	12/18/2024	11780	QUILL	Inv #41850201 / hand soap, copy paper	27.23		167.67
Total 515-1 · Office Supplies - WA					167.67	0.00	167.67
<b>515-2 · Office Supplies - SA</b>							
Check	12/12/2024	11751	CANON SOLUTIONS AMERICA, INC.	Inv #6010000630 / Admin office copier maintenance 10/20 - 11/19	23.64		23.64
Check	12/12/2024	11751	CANON SOLUTIONS AMERICA, INC.	Inv #6009746783 / Sanitary office copier maintenance 9/27 - 10/26	5.21		28.85
Check	12/18/2024	11779	PENS.COM	Inv #114012676 / Stick up calendars	84.75		113.60
Check	12/18/2024	11780	QUILL	Inv #41624130 / file folders, pens, desk calendars, At-a-glance wall calendar	112.44		226.04
Check	12/18/2024	11780	QUILL	Inv #41672700 / 3-ring binder	3.82		229.86
Check	12/18/2024	11780	QUILL	Inv #41850201 / hand soap, copy paper	27.23		257.09
Total 515-2 · Office Supplies - SA					257.09	0.00	257.09
<b>516-1 · Communication &amp; IT</b>							
Check	12/12/2024	11757	DOUGLAS FAST NET	Water office phone/fax/internet - November	147.95		147.95
Check	12/18/2024	11782	SYSTECH CONSULTING, LLC	Inv #17489 / Managed service plan - Oct	465.00		612.95
Check	12/18/2024	11782	SYSTECH CONSULTING, LLC	Inv #17602 / Managed service plan - Nov	465.00		1,077.95
Paycheck	12/31/2024	DD2130	Campos, David M	Direct Deposit	50.00		1,127.95
Total 516-1 · Communication & IT					1,127.95	0.00	1,127.95
<b>516-2 · Communication &amp; IT - S</b>							
Check	12/12/2024	11757	DOUGLAS FAST NET	Sewer office phone/fax/internet - November	296.55		296.55
Check	12/18/2024	11782	SYSTECH CONSULTING, LLC	Inv #17489 / Managed service plan - Oct	465.00		761.55
Check	12/18/2024	11782	SYSTECH CONSULTING, LLC	Inv #17602 / Managed service plan - Nov	465.00		1,226.55
Total 516-2 · Communication & IT - S					1,226.55	0.00	1,226.55
<b>517-1 · Utilities- WA</b>							
Check	12/12/2024	11748	AVISTA UTILITIES	Natural gas service water office 10/22 - 11/19	70.43		70.43
Check	12/18/2024	11778	PACIFIC POWER	Water office electricity 10/1 - 10/30	151.44		221.87
Total 517-1 · Utilities- WA					221.87	0.00	221.87
<b>517-2 · Utilities- SA</b>							
Check	12/12/2024	11748	AVISTA UTILITIES	Natural gas service sewer office 10/22 - 11/19	167.22		167.22
Check	12/18/2024	11778	PACIFIC POWER	Sewer office electricity 10/1 - 10/30	335.61		502.83
Total 517-2 · Utilities- SA					502.83	0.00	502.83

**Green Area Water & Sanitary Authority**  
**GAWSA Expense Detail**  
December 2024

Type	Date	Num	Name	Memo	Debit	Credit	Balance
<b>518-1 · R &amp; M Office - WA</b>							
Check	12/12/2024	11758	EXODUS PEST CONTROL	Inv #82156 / Water office pest control	28.00		28.00
Check	12/12/2024	11766	OREGON LINEN	Inv #1162235 / Rug service water office	73.40		101.40
Total 518-1 · R & M Office - WA					101.40	0.00	101.40
<b>518-2 · R &amp; M Office - SA</b>							
Check	12/18/2024	11783	STAPEL PEST SOLUTIONS	Inv #83496 / November pest control - sewer office	45.00		45.00
Check	12/18/2024	11783	STAPEL PEST SOLUTIONS	Inv #124015 / December pest control - sewer office	45.00		90.00
Total 518-2 · R & M Office - SA					90.00	0.00	90.00
<b>525-1 · Misc. Expense - WA</b>							
Check	12/17/2024	11768	ROLLING THUNDER	Christmas party catering 30 @ \$22	330.00		330.00
Total 525-1 · Misc. Expense - WA					330.00	0.00	330.00
<b>525-2 · Misc Expense - SA</b>							
Check	12/17/2024	11768	ROLLING THUNDER	Christmas party catering 30 @ \$22	330.00		330.00
Total 525-2 · Misc Expense - SA					330.00	0.00	330.00
<b>526-2 · Rental Property Maintenance</b>							
Check	12/18/2024	11778	PACIFIC POWER	Holgate rental electricity 10/2 - 10/31	179.94		179.94
Check	12/18/2024	11778	PACIFIC POWER	Harmony rental electricity 10/2 - 10/31	18.89		198.83
Total 526-2 · Rental Property Maintenance					198.83	0.00	198.83
<b>531-1 · Statement Printing/Mailing - WA</b>							
Check	12/15/2024	ACH	BMS TECHNOLOGIES	Inv #93428 / November billing statements printing and mailing	1,139.86		1,139.86
Total 531-1 · Statement Printing/Mailing - WA					1,139.86	0.00	1,139.86
<b>531-2 · Statement Printing/Mailing - SA</b>							
Check	12/15/2024	ACH	BMS TECHNOLOGIES	Inv #93428 / November billing statements printing and mailing	1,139.85		1,139.85
Total 531-2 · Statement Printing/Mailing - SA					1,139.85	0.00	1,139.85
<b>532-1 · IVR System Costs - WA</b>							
Check	12/12/2024	11755	CONTINENTAL UTILITY SOLUTIONS, I...	Inv # T11198 / IVR Tech maint. and transaction fees - October	53.45		53.45
Check	12/12/2024	11755	CONTINENTAL UTILITY SOLUTIONS, I...	Inv #T12755 / IVR Tech maint. and transaction fees - Aug	55.70		109.15
Total 532-1 · IVR System Costs - WA					109.15	0.00	109.15
<b>532-2 · IVR System Costs - SA</b>							
Check	12/12/2024	11755	CONTINENTAL UTILITY SOLUTIONS, I...	Inv # T11198 / IVR Tech maint. and transaction fees - October	53.45		53.45
Check	12/12/2024	11755	CONTINENTAL UTILITY SOLUTIONS, I...	Inv #T12755 / IVR Tech maint. and transaction fees - Aug	55.70		109.15
Total 532-2 · IVR System Costs - SA					109.15	0.00	109.15
<b>533-1 · Merchant Service Fees - WA</b>							
Check	12/12/2024	11755	CONTINENTAL UTILITY SOLUTIONS, I...	Inv #T12081 / eCk and ACH fees	16.60		16.60
Check	12/12/2024	11755	CONTINENTAL UTILITY SOLUTIONS, I...	Inv #T12573 / eCk and ACH fees	9.85		26.45
Check	12/12/2024	11755	CONTINENTAL UTILITY SOLUTIONS, I...	Inv #T12850 / merchant fees - November	946.50		972.95
Total 533-1 · Merchant Service Fees - WA					972.95	0.00	972.95
<b>533-2 · Merchant Service Fees - SA</b>							
Check	12/12/2024	11755	CONTINENTAL UTILITY SOLUTIONS, I...	Inv #T12081 / eCk and ACH fees	16.60		16.60
Check	12/12/2024	11755	CONTINENTAL UTILITY SOLUTIONS, I...	Inv #T12573 / eCk and ACH fees	9.85		26.45
Check	12/12/2024	11755	CONTINENTAL UTILITY SOLUTIONS, I...	Inv #T12850 / merchant fees - November	946.51		972.96
Total 533-2 · Merchant Service Fees - SA					972.96	0.00	972.96
<b>535-1 · Contract Services - Meter Reads</b>							
Check	12/12/2024	11762	METEREADERS, LLC	Inv #11522 / November meter readings	2,548.80		2,548.80
Total 535-1 · Contract Services - Meter Reads					2,548.80	0.00	2,548.80

**Green Area Water & Sanitary Authority**  
**GAWSA Expense Detail**  
December 2024

Type	Date	Num	Name	Memo	Debit	Credit	Balance
<b>606-1 · Health Ins. Benefits - WO</b>							
Check	12/18/2024	11781	SDIS	January health and supplemental ins premiums	13,078.34		13,078.34
Total 606-1 · Health Ins. Benefits - WO					13,078.34	0.00	13,078.34
<b>606-2 · Health Ins. Benefits - SO</b>							
Check	12/18/2024	11781	SDIS	January health and supplemental ins premiums	6,489.70		6,489.70
Total 606-2 · Health Ins. Benefits - SO					6,489.70	0.00	6,489.70
<b>610-1 · Vehicle/Equipment O &amp; M - WO</b>							
Check	12/12/2024	11749	BASSETT-HYLAND ENERGY	Inv #CL30217 / trucks and equipment fuel 11/1 - 11/15	285.41		285.41
Check	12/12/2024	11749	BASSETT-HYLAND ENERGY	Inv #CL30605 / trucks and equipment fuel 11/16 - 11/30	99.27		384.68
Total 610-1 · Vehicle/Equipment O & M - WO					384.68	0.00	384.68
<b>610-2 · Vehicle/Equipment O &amp; M - SO</b>							
Check	12/12/2024	11749	BASSETT-HYLAND ENERGY	Inv #CL30217 / trucks and equipment fuel 11/1 - 11/15	262.48		262.48
Check	12/12/2024	11749	BASSETT-HYLAND ENERGY	Inv #CL30605 / trucks and equipment fuel 11/16 - 11/30	127.19		389.67
Check	12/12/2024	11763	NAPA AUTO PARTS	Inv #937752 / PO 18594 / flusher truck batteries	279.98		669.65
Check	12/12/2024	11763	NAPA AUTO PARTS	Inv #938818 / PO 18614 / windshield wipers	22.98		692.63
Check	12/18/2024	11777	OREGON TRACTOR	Inv #74973 / PO 18618 / Vac truck hydraulic hose	27.29		719.92
Check	12/18/2024	11777	OREGON TRACTOR	Inv #74974 / PO 18619 / hydraulic oil for vac truck	125.62		845.54
Check	12/18/2024	11777	OREGON TRACTOR	Inv #74975 / PO 18620 / hydraulic oil for vac truck	62.81		908.35
Total 610-2 · Vehicle/Equipment O & M - SO					908.35	0.00	908.35
<b>611-1 · Dues/Fees/Subscriptions- WO</b>							
Check	12/12/2024	11764	ONE CALL CONCEPTS, INC.	Inv #4110703 / November locate tickets	20.86		20.86
Check	12/12/2024	11765	OREGON DEPARTMENT OF REVENUE	L0131440736 / PO 18608 / SFM Right to Know, Toxic Use Reduction Pgm Fees	544.00		564.86
Total 611-1 · Dues/Fees/Subscriptions- WO					564.86	0.00	564.86
<b>611-2 · Dues/Fees/Subscriptions- SO</b>							
Check	12/12/2024	11764	ONE CALL CONCEPTS, INC.	Inv #4110703 / November locate tickets	20.86		20.86
Check	12/18/2024	11776	MISSION COMMUNICATIONS, LLC	Inv #2002443 / autodialer annual service at Oak Creek PS	387.00		407.86
Total 611-2 · Dues/Fees/Subscriptions- SO					407.86	0.00	407.86
<b>612-1 · Communication &amp; IT - Ops</b>							
Check	12/12/2024	11757	DOUGLAS FAST NET	Carnes shop internet - November	86.39		86.39
Check	12/12/2024	11757	DOUGLAS FAST NET	WTP phone/fax/internet/alarm line - November	133.28		219.67
Paycheck	12/31/2024	DD2131	Carlson, Trev W	Direct Deposit	50.00		269.67
Paycheck	12/31/2024	DD2135	Hope, Will T	Direct Deposit	50.00		319.67
Paycheck	12/31/2024	DD2136	Manson, Joshua T.	Direct Deposit	50.00		369.67
Paycheck	12/31/2024	DD2138	Paulson, Alan D.	Direct Deposit	50.00		419.67
Paycheck	12/31/2024	DD2139	Radford, Daniel L.	Direct Deposit	50.00		469.67
Paycheck	12/31/2024	DD2141	Wolford, Jeremy J.	Direct Deposit	50.00		519.67
Total 612-1 · Communication & IT - Ops					519.67	0.00	519.67
<b>612-2 · Communication &amp; IT - SO</b>							
Paycheck	12/31/2024	DD2132	Chasteen, Matthew S.	Direct Deposit	50.00		50.00
Paycheck	12/31/2024	DD2137	Miller, Shannon L.	Direct Deposit	50.00		100.00
Total 612-2 · Communication & IT - SO					100.00	0.00	100.00
<b>613-1 · Travel &amp; Training - WO</b>							
Check	12/06/2024	11744	Paulson, Alan D.	Per Diem Hood River OAWU Conf 12/8 - 12/12	132.75		132.75
Check	12/06/2024	11745	TREV W. CARLSON	Per Diem Hood River OAWU Conf 12/8 - 12/12	265.50		398.25
Total 613-1 · Travel & Training - WO					398.25	0.00	398.25
<b>613-2 · Travel &amp; Training - SO</b>							
Check	12/06/2024	11744	Paulson, Alan D.	Per Diem Hood River OAWU Conf 12/8 - 12/12	132.75		132.75
Total 613-2 · Travel & Training - SO					132.75	0.00	132.75

**Green Area Water & Sanitary Authority**  
**GAWSA Expense Detail**  
December 2024

Type	Date	Num	Name	Memo	Debit	Credit	Balance
<b>615-1 · Misc Expense - WO</b>							
Check	12/18/2024	11780	QUILL	Inv #441624130 / desk calendars	17.97		17.97
Check	12/18/2024	11780	QUILL	Inv #41850201 / 2 surge protectors for shop	52.09		70.06
Total 615-1 · Misc Expense - WO					70.06	0.00	70.06
<b>620-1 · R &amp; M Water Distribution</b>							
Check	12/12/2024	11761	LONG'S BUILDING SUPPLY	Inv #397001 / PO 18611 / PVC coupler	3.79		3.79
Check	12/12/2024	11767	ROCK-IT MAN TRUCKING	Inv #404357 / PO 18626 / replace rock used at 2941 Hwy 99 S leak	200.00		203.79
Check	12/18/2024	11775	KNIFE RIVER MATERIALS	Inv #745211 / PO 18631 / Quick set for 2941 Hwy 99 S leak	1,527.00		1,730.79
Check	12/24/2024	11793	ODOT FINANCIAL SERVICES	Project # S035(083) / PO 18559 / adjusting 6 boxes/valves - revised estimate	1,169.25		2,900.04
Total 620-1 · R & M Water Distribution					2,900.04	0.00	2,900.04
<b>621-1 · R &amp; M - Dist Shop</b>							
Check	12/18/2024	11787	Carnes Road Site	Inv #322169 / Carnes Rd. shop 200G dumpster	94.25		94.25
Total 621-1 · R & M - Dist Shop					94.25	0.00	94.25
<b>622-1 · Tools &amp; Supplies - Distribution</b>							
Check	12/12/2024	11754	CONSOLIDATED SUPPLY CO.	Inv #S011881421.002 / PO 18624 / meter box pump	267.28		267.28
Check	12/12/2024	11754	CONSOLIDATED SUPPLY CO.	Inv #S011881421.001 / PO 18613 / 2 meter box pumps	534.58		801.86
Total 622-1 · Tools & Supplies - Distribution					801.86	0.00	801.86
<b>624-1 · Utilities - Water Dist WO</b>							
Check	12/12/2024	11748	AVISTA UTILITIES	Natural gas service Highland PS 10/22 - 11/19	21.72		21.72
Check	12/12/2024	11748	AVISTA UTILITIES	Natural gas service Carnes Shop 10/22 - 11/19	67.58		89.30
Check	12/18/2024	11778	PACIFIC POWER	Tipton PS/Roseburg intertie electricity 10/11 - 11/12	82.48		171.78
Check	12/18/2024	11778	PACIFIC POWER	Carnes shop electricity 10/1 - 10/30	178.29		350.07
Check	12/18/2024	11778	PACIFIC POWER	Highland Vista PS electricity 10/1 - 10/30	355.18		705.25
Check	12/18/2024	11778	PACIFIC POWER	Glengary PS electricity 10/2 - 10/31	41.11		746.36
Total 624-1 · Utilities - Water Dist WO					746.36	0.00	746.36
<b>626-1 · Water Samples - WO</b>							
Check	12/18/2024	11786	UMPQUA RESEARCH	Inv #M076839 / 8 coliforms tests	212.00		212.00
Check	12/18/2024	11786	UMPQUA RESEARCH	Inv #M076917 / 1 Alkalinity, 2 TOC tests	154.60		366.60
Check	12/18/2024	11786	UMPQUA RESEARCH	Inv #M076928 / 1 VOC	206.10		572.70
Total 626-1 · Water Samples - WO					572.70	0.00	572.70
<b>627-1 · Backflow Tests- WO</b>							
Check	12/12/2024	11752	CHRIS NICHOLLS CONSTRUCTION	Inv #293015 / 3 noncomp backflow tests	135.00		135.00
Total 627-1 · Backflow Tests- WO					135.00	0.00	135.00
<b>628-1 · Inventory Adjustment W</b>							
Check	12/12/2024	11760	CORIX WATER PRODUCTS, INC.	Inv #U2416047938 / PO 18596 / stock parts for inventory	5,973.43		5,973.43
Check	12/12/2024	11760	CORIX WATER PRODUCTS, INC.	Inv #U2416047944 / PO 18597 / Romac saddles and repair clamps for inventory	1,149.79		7,123.22
Check	12/12/2024	11760	CORIX WATER PRODUCTS, INC.	Inv #U2416048240 / PO 18602 / Romac repair clamp ss1 for inventory	269.55		7,392.77
Check	12/12/2024	11760	CORIX WATER PRODUCTS, INC.	Inv #U2415003891 / PO 18612 / credit for overbilling on PO 18596		389.78	7,002.99
Check	12/12/2024	11760	CORIX WATER PRODUCTS, INC.	Inv #U2416050732 / PO 18617 / Romagrips for inventory	833.16		7,836.15
Total 628-1 · Inventory Adjustment W					8,225.93	389.78	7,836.15
<b>641-2 · R &amp; M Lines &amp; Manholes - SO</b>							
Check	12/24/2024	11793	ODOT FINANCIAL SERVICES	Project # S035(083) / PO 18559 / adjustment of 6 manholes - revised estimate	2,976.27		2,976.27
Total 641-2 · R & M Lines & Manholes - SO					2,976.27	0.00	2,976.27
<b>642-2 · Tools &amp; Supplies - SO</b>							
Check	12/12/2024	11759	FLURY SUPPLY	Inv #1349 / PO 18609 / trash pump parts	35.39		35.39
Check	12/12/2024	11759	FLURY SUPPLY	Inv #1356 / PO 18609 / trash pump parts	133.68		169.07
Check	12/18/2024	11785	UMPQUA QUARRIES, LLC	Inv #77814 / PO 18599 / crushed rock - sewer shop	334.79		503.86
Check	12/18/2024	11788	WYATT'S GLOVE COMPANY	Inv #2554 / PO 18625 / disposable gloves - sanitary	144.00		647.86
Total 642-2 · Tools & Supplies - SO					647.86	0.00	647.86



**Green Area Water & Sanitary Authority**  
**GAWSA Expense Detail**  
December 2024

Type	Date	Num	Name	Memo	Debit	Credit	Balance
<b>647-2 · G4 Pumpstation - SO</b>							
Check	12/12/2024	11750	BATESON ENTERPRISES, LLC	Inv #24-222 / PO 18616 / Install new Xylem Pump and build pump stand	11,880.00		11,880.00
Check	12/12/2024	11756	DOUGLAS CO. FARMERS CO-OP	Inv #67943 / PO 18615 / pressure gauge	21.47		11,901.47
Check	12/12/2024	11757	DOUGLAS FAST NET	G4 pumpstation alarm line - November	15.05		11,916.52
Check	12/18/2024	11778	PACIFIC POWER	G4 PS electricity 10/1 - 10/30	1,685.21		13,601.73
Check	12/18/2024	11789	XYLEM WATER SOLUTIONS USA, INC.	Inv. #3556D51464 / PO 18622 / Flygt pump start up	3,140.00		16,741.73
Total 647-2 · G4 Pumpstation - SO					16,741.73	0.00	16,741.73
<b>648-2 · O&amp;M Pumpstations - SO</b>							
Check	12/18/2024	11778	PACIFIC POWER	Oak Creek PS electricity 10/1 - 10/30	76.97		76.97
Check	12/18/2024	11778	PACIFIC POWER	Briarwood PS electricity 10/1 - 10/30	26.96		103.93
Total 648-2 · O&M Pumpstations - SO					103.93	0.00	103.93
<b>700-1 · WTP R &amp; M</b>							
Check	12/18/2024	11784	TROJAN TECHNOLOGIES	Inv #200/31625 / PO 18635 / UV Lamps	3,386.40		3,386.40
Total 700-1 · WTP R & M					3,386.40	0.00	3,386.40
<b>701-1 · WTP Tools &amp; Supplies</b>							
Check	12/12/2024	11751	CANON SOLUTIONS AMERICA, INC.	Inv #6010000630 / WTP copier maintenance 10/20 - 11/19	8.70		8.70
Total 701-1 · WTP Tools & Supplies					8.70	0.00	8.70
<b>702-1 · WTP Utilities</b>							
Check	12/18/2024	11778	PACIFIC POWER	WTP electricity 10/1 - 10/30	11,743.46		11,743.46
Total 702-1 · WTP Utilities					11,743.46	0.00	11,743.46
<b>712-2 · O&amp;M Regional WWTP</b>							
Check	12/12/2024	11753	CITY OF WINSTON	WWTP Personal services + materials/services - Sept 2024	24,267.62		24,267.62
Total 712-2 · O&M Regional WWTP					24,267.62	0.00	24,267.62
<b>TOTAL</b>					<b>118,087.92</b>	<b>389.78</b>	<b>117,698.14</b>

**GREEN AREA WATER & SANITARY AUTHORITY**  
**GENERAL MANAGER'S REPORT**  
**January 9, 2025**

**Holgate Pastureland Lease**

I have attached the 2025 lease agreement between GAWSA and Cody Sandberg. The lease is for 12 months at \$200 per month and expires December 31.

**GAWSA Property/Liability/Auto Insurance**

I met with Guy Kennerly of Umpqua Insurance to review our insurance renewal. Our increase in premium over last year, net of the Best Practices Credit, is 8.3 percent.

**Engineer-of-Record**

Staff will be meeting with The Dyer Partnership to discuss the Grant Smith Road Waterline project, Capital Improvement Plans, and Master Plans.

**HOLGATE PASTURELAND LEASE AGREEMENT**

THIS AGREEMENT is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2025, by and between Green Area Water and Sanitary Authority, hereinafter referred to as "Authority" and Cody Sandberg, hereinafter referred to as "Lessee."

The Lessee and Authority, for the consideration hereinafter described agree as follows:

- 1. **TERMS.** The Authority shall lease the pastureland located at 4836 Holgate to the Lessee, for the sole purpose of pasturing livestock for a period of January 1 through December 31, 2025 unless terminated by the provisions of Paragraph 6.
- 2. **CONDITIONS.** The Authority shall deliver the premises herein leased in good condition and the Lessee shall not permit any alterations or deterioration of the property. At the conclusion of the term provided in this lease, the Lessee shall return said premises to the Authority in good condition, reasonable wear thereof expected. Failure to do so will result in possible litigation.
- 3. **INSURANCE.** During the duration of this Agreement, the Lessee shall obtain and maintain continuously in effect farm insurance with the Authority named as additional insured.
- 4. **INDEMNIFICATION.** In consideration of this Agreement, the Authority agrees to defend, hold harmless and indemnify the Lessee from any and all liability, damages, costs, expenses, and attorney fees arising out of the negligent act or omission of any officer, employee, board member, or agent of the Authority while acting within the scope of their duties and authority as provided under the Oregon Tort Claims Act, ORS 30.260 to 30.300, for activities arising out of the use of leased property.

In consideration of this Agreement, the Lessee agrees to defend, hold harmless and indemnify the Authority, its officers, employees, board members, and agents from any and all liability, damages, costs, expenses, and attorney fees arising out of the Lessee's negligence while engaged in the activities arising out of the use of leased property.

5. **LEASE RATE.** The lease rate is \$2,400 per annual term. The Lessee shall perform maintenance of the premises which will offset the lease rate with the cost of time and materials. In the event that the cost of the maintenance projects performed is less than the annual lease rate, payment is to be made to Green Area Water and Sanitary Authority at 4336 Old Highway 99 South, Roseburg, OR 97471.

6. **TERMINATION OF AGREEMENT.** Either party may terminate this Agreement by giving thirty (30) days notice to the other in writing. After receipt of the termination of this Agreement, Lessee has thirty (30) days to vacate the premises. Any termination under this section will be without prejudice to any obligations or liabilities of either party already accrued prior to such termination.

**GREEN AREA WATER & SANITARY AUTHORITY      LESSEE**

\_\_\_\_\_  
Tracey Parker  
Board Chair

\_\_\_\_\_  
Cody Sandberg

Date: \_\_\_\_\_

Date: \_\_\_\_\_

ATTEST:

\_\_\_\_\_

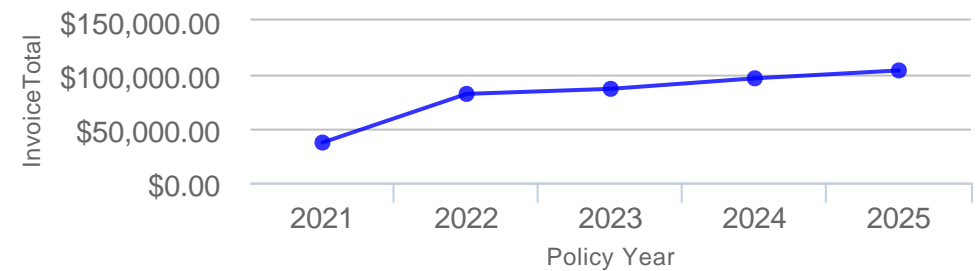
Report displays contribution difference (changes) between 2024 and the 2025 renewal in an effort to provide a general idea of rating components that influence contributions.

Coverage	2024 contribution	Change in exposures	2025 contribution	Total contribution change	Total % contribution change
General Liability	\$20,608	See Below	\$23,232	\$2,624	12.73%
Auto Liability	\$4,641	0	\$4,836	\$195	4.20%
Non-Owned Auto Liability	\$175		\$195	\$20	11.43%
Auto Physical Damage	\$4,596	\$0	\$5,072	\$476	10.37%
Non-Owned APD	\$247		\$271	\$24	9.72%
Property	\$39,257	\$738,397	\$46,513	\$7,256	18.48%
Earthquake	\$10,579	\$738,397	\$12,470	\$1,891	17.88%
Flood	\$8,544	\$738,397	\$3,773	-\$4,771	-55.84%
Equipment Breakdown	\$6,540	\$738,397	\$6,741	\$201	3.07%
Crime	\$700		\$728	\$28	4.00%
Cyber	\$0		\$0	\$0	
<b>Total All Lines</b>	<b>\$95,886</b>		<b>\$103,831</b>	<b>\$7,945</b>	<b>8.29%</b>

**General Liability Exposure Comparison**

Description	Last Year	This Year	Difference
2024-2025 Budgeted Materials and Supplies *	\$2,786,775	\$2,891,924	\$105,149
2024-2025 Budgeted Personal Services *	\$1,587,650	\$1,636,520	\$48,870
Events/Fundraisers - Alcohol Served	\$0	\$0	\$0
Pipe Line (Sewer or Storm Drainage)	\$35	\$35	\$0
Water and San Authority Lakes or Reservoirs	\$3	\$3	\$0

**Annual Contribution History**



2019-2023 Net Loss Ratio = 0.00%

Best Practices	Year	% Credit
	2024	10.00%
	2025	10.00%

\* Auto Liability Exposure = Number of Autos. Auto Physical Damage = Total Insured Auto Values. Excess Liability = Materials and Supplies + Personal Services. Property and Boiler and Machinery = Total Insured Property Values.

**Green Area Water & Sanitary Authority**  
**Customer Payment History - Summary**

Sort Order : Payment Source

From: 12/1/2024 Through: 12/31/2024

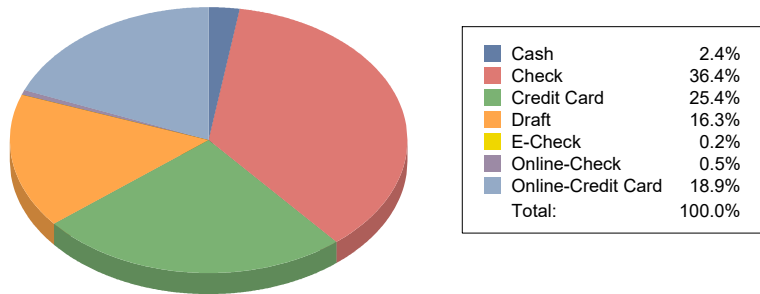
Payment Method	Quantity	Payment Amount
Cash	74	\$7,043.06
Check	1,140	\$112,170.78
Credit Card	795	\$66,981.04
Draft	510	\$46,529.02
E-Check	7	\$526.25
Online-Check	15	\$1,317.55
Online-Credit Card	591	\$47,943.89

Summary totals do not include reversed/transferred payments.

Service	Trans. Amount
Miscellaneous	\$(9,244.74)
Second Level Charge	\$(860.00)
Service Charge	\$(81,084.11)
Sewer	\$(123,568.42)
Water	\$(67,754.32)
<b>Totals</b>	<b>\$(282,511.59)</b>

Payment Method	Quantity	Payment Amount
<b>Payment Source</b>		
<b>Amount</b>		
Autopay		
Credit Card		\$(43,577.74)
Draft		\$(46,529.02)
		<b>\$(90,106.76)</b>
Customer Portal		
Online-Check		\$(1,317.55)
Online-Credit Card		\$(47,943.89)
		<b>\$(49,261.44)</b>
IVR		
Credit Card		\$(3,752.10)
E-Check		\$(442.45)
		<b>\$(4,194.55)</b>
Lockbox		
Check		\$(97,997.19)
		<b>\$(97,997.19)</b>
Manual		
Cash		\$(7,043.06)
Check		\$(14,173.59)
Credit Card		\$(19,651.20)
E-Check		\$(83.80)
		<b>\$(40,951.65)</b>
<b>Totals</b>		<b>\$(282,511.59)</b>

### Payment Breakdown



# Green Area Water & Sanitary Authority Transaction List - Summary

Sort order: Customer No.

From: 12/1/2024 Through: 12/31/2024

Limited to :

Transaction Types: Collection Write-Off, Interest, Misc Chrg., Penalty, Shutoff, Write-Off

Deposits Transaction Types:

Transaction Type	Applies To	Transaction Amount
Collection Write-Off	Water Charge	(\$131.10)
	Service Charge Charge	(\$150.44)
	Sewer Charge	(\$95.42)
		<b>(\$376.96)</b>
Delinquency	Water Interest	\$20.00
	Water Penalty	\$3,095.00
	Service Charge Interest	\$740.00
	Service Charge Penalty	\$155.00
	Service Charge Shutoff	\$125.00
	Sewer Interest	\$40.00
	Sewer Penalty	\$310.00
	Sewer Shutoff	\$25.00
		<b>\$4,510.00</b>
Misc Chrg.	Water (DHF)	\$20.00
	Miscellaneous (BF)	\$750.00
	Miscellaneous (DHF)	\$20.00
	Miscellaneous (MISC)	\$50.00
	Miscellaneous (SOL)	\$25.00
	Service Charge (AF)	\$275.00
		<b>\$1,140.00</b>
<b>Grand Total:</b>		<b>\$5,273.04</b>

# SANITARY OPERATIONS REPORT

January 9, 2024

## ***Construction Projects***

- 275 Grant Smith extension for commercial properties.
  - Nothing new to report.
- 550 East Happy Valley main extension, EGR engineering.
  - Installation complete, waiting on Manhole testing for finish grade.
- Tatone Harmony project, ie engineering, Umpqua S&G,
  - Construction started January 7th.

## ***Collection System***

- Manhole inspections project 'D' Basin, complete.
- TV annual project.
  - 'D' Basin, flushing and CCTV, complete.
- Updating GIS and AutoCAD with lateral location changes 'D' Basin map updates, underway.
- Manhole maintenance for I&I starting this month.
- Douglas County is not discharging leachate in the system to date.

## ***G4 and Pump Stations***

- GAWSA Pump Stations ran well, with typical operation and maintenance.
- Rainstorm over the holiday season created a surcharge in the system above G4.
  - SSO resulted, all required notifications, posting, sanitizing and clean up complete.

## ***Lateral Inspections & GIS***

- 8 Inspections.
  - 125 Rolling Hills, TV & GIS update.
  - 149 Poppy, TV & GIS update, I&I repair.
  - 3315, 3319 Carnes, TV & GIS update.
  - 1300 Rolling Hills, TV & GIS update.
  - 193 Rainbow Ridge, GIS update.
  - 297 Corona Loop, TV & GIS update.
  - 142 Quincetree, TV & GIS update.

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

January 2025

We have been dealing with some weather-related issues. Since a recent lightning storm, we have been having communication issues with the transducer in the main tank. Terry Nelson is scheduled to do some diagnostics on January 14<sup>th</sup>. We also had a high rain and wind event, which blew over a tree near the main tank, as well as one on our driveway to the water treatment plant. We received 2" of rain in 24 hours, and almost 5" for the event.

We will be receiving a load of ACH this week. We are pleased to report that the price is approximately 15% lower than it was for our last shipment.

We are continuing work on our SCADA system. This is affecting progress on a couple of different things, and we hope to have those issues resolved by the middle of the month. I'll have more information to report at the board meeting.

We continue working on resolving an issue with the accuracy of the gallons pumped from the plant vs. water billed. We believe it's an issue with the data and not with leakage from the system. We have a meter specialist that will be onsite December 14<sup>th</sup> along with Terry Nelson.

Work has started on Donald Trump Ln. The water line installation is scheduled to start soon, although weather may be a factor.

We have re-submitted the lead survey of GAWSA to the Oregon Health Authority. It was accepted.

We have signed up three staff members to attend the OAWU Conference, March 3<sup>rd</sup> thru 7<sup>th</sup>.

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

## WINSTON-GREEN REGIONAL WASTEWATER FACILITY

### Weekly Reports - December

#### **December 6th**

- Preventative Maintenance
- Removed Digester mixing pump # 2
  - This pump needs to be completely disassembled in order to fix a worn O Ring
- Clean out wet well
- PLC replacement preparation and planning
  - Staff has been focusing on creating SOP's in order to run the plant completely in "Hand" with no automation.
  - TAG contacted us this week and it looks like a timeline of March-ish for replacement
  - Unfortunately, all the PLC's will have to go offline at once instead of one at a time. This will leave the plant with no automation for 1 to 2 weeks.

#### **December 13th**

- Disassemble mixing pump # 2
  - This pump has a leaking O Ring and requires completely disassembled in order to be repaired
- Yard maintenance
- Chlorine generation system A relay replacement
- Archeologist onsite looking for artifacts to halt siphon project
- Cleaned wet well
- Drained and cleaned chlorine contact chambers

#### **December 20th**

- Influent pump # 2 broke a pump shaft
  - This is the first time that a pump shaft has ever broken at the plant
  - We had a replacement shaft on hand
  - GAWSA had bearing that we used, Thank you!
  - Pump has been rebuilt and is getting installed today, 12-20-24
  - Staff worked aggressively all week to get this pump repaired and back together
- Clean wet well
- Yard maintenance
- Varmint control
- Staff Prepping plant for upcoming rains

#### **December 27th**

- Transferred solids in preparation for high flows
- Wet Weather Preparations on the plant
- Worked on Influent Pump # 4
- Finished rebuilding influent pump # 2
- Coordinated with the County on additional leachate hauling
- Dump run
- Clean wet well
- Looked after Teddy the bull

# Winston- Green WWTF

December 2024

## General

1.) Plant Influent Flow (MG)	<u>2024</u>		<u>2023</u>	
<i>Winston</i>	39.53	49%	34.79	53%
<i>Green</i>	40.32	51%	30.58	47%
<i>Rainfall</i>	9.14		4.70	
<i>Chlorine (Gallons)</i>	17,614		16,892	
<i>Leachate</i>	2,095,500		1,413,500	

## Bio-Solids

1.) Storing Biosolids

## FLOW ALLOCATION CHART

MONTH	WINSTON MG	GREEN MG	LANDERS LN. MG	TOTAL MG	RAINFALL
Jan.24	56.74	45.76	0.945	103.45	8.75
Feb.24	48.39	33.30	0.789	82.48	5.43
Mar.24	49.48	36.02	0.795	86.29	5.43
Apr.24	23.71	20.61	0.560	44.88	1.91
May.24	24.43	22.27	0.352	47.05	2.02
June.24	15.59	17.17	0.334	33.09	0.50
July.24	15.43	15.43	0.339	31.20	0.15
Aug.24	14.86	16.96	0.392	32.21	1.59
Sept.24	13.39	15.48	0.469	29.34	0.43
Oct.24	15.49	17.66	0.531	33.68	1.86
Nov.24	28.71	31.80	0.595	61.11	8.54
Dec.24	39.53	40.32	0.850	80.70	9.14
TOTAL	345.74	312.78	6.952	665.47	45.75
GREEN + LANDERS		319.73			
APPORTIONMENT	51.95%	48.05%			
			100%		

# Winston-Green WWTF

December 2024

SYSTEM CLASSIFICATION: IV PERMIT # 100554  
 COUNTY: DOUGLAS

FILE # 98400

D A T E	POPULATION: 10000										TYPE: RBC / ACTIVATED SLUDGE							BIOSOLIDS		
	TOTAL FLOW MGD	INF PH	INF BOD mg/l	INF SS mg/l	NH3 N EFF	EFF PH	EFF TEMP MAX	EFF BOD mg/l	% REM BOD	LBS BOD DIS	EFF SS mg/l	% REM SS	LBS DIS SS	CL2 RES mg/l	CL2 USED GAL.	CL2 USED LBS	ECOLI COL	LAND gallons	DRYING BEDS gallons	RAIN FALL inches
1	1.640	7.4				7.2	15.7						0.09	462	30.8	5.2				
2	1.551	7.2	346	258	6.16	7.2	15.9	7.4	98%	96	5	98%	65	0.05	455	30.4	3.1		0.01	
3	1.444	7.4				7.3	15.8						0.06	448	29.9				0.01	
4	1.431	7.2	430	326	5.81	7.2	15.7	9.1	98%	109	5	98%	60	0.08	312	20.8			0.01	
5	1.376	7.4				7.3	15.8						0.04	236	15.7				0.01	
6	1.404	7.5	442	322		7.4	15.9	11.7	97%	137	6	98%	70	0.05	237	15.8			0.01	
7	1.492	7.6				7.5	16.0						0.03	331	22.1				0.36	
8	1.578	7.4				7.4	15.8						0.03	367	24.5	3.1				
9	1.368	7.5	412	287	4.23	7.4	15.8	14.0	97%	160	6	98%	68	0.04	353	23.6	5.2		0.01	
10	1.353	7.5				7.2	15.4						0.07	352	23.5					
11	1.339	7.5	413	273	1.27	7.3	15.4	11.4	97%	127	5	98%	56	0.05	351	23.4			0.10	
12	1.403	7.4				7.2	15.7						0.04	355	23.7				0.06	
13	2.332	7.5	500	381		7.3	15.5	11.2	98%	218	5	99%	105	0.05	416	27.8			0.87	
14	2.747	7.5				7.1	14.9						0.02	445	29.7				0.13	
15	2.607	7.4				6.9	14.9						0.03	435	29.0				0.30	
16	3.264	7.4	272	188	0.44	7.1	14.8	11.5	96%	313	8	96%	218	0.02	478	31.9	107.1		0.48	
17	3.508	7.3				6.8	14.4						0.04	494	33.0					
18	2.987	7.3	110	133	0.34	7.0	14.8	11.1	90%	277	8	94%	204	0.04	633	42.2			0.12	
19	2.496	7.3				7.2	14.7						0.05	569	38.0	83.9			0.02	
20	2.232	7.3	244	177		7.1	14.9	13.8	94%	257	8	96%	141	0.06	637	42.5			0.01	
21	2.507	7.4				7.3	14.9						0.03	662	44.2				0.34	
22	3.160	7.4				7.2	14.8						0.03	720	48.0	191.8			0.50	
23	4.766	7.2	228	206	1.44	7.1	14.4	15.5	93%	616	9	96%	342	0.06	813	54.2	285.1		0.94	
24	5.908	7.2				7.2	13.8						0.03	888	59.2				0.45	
25	4.405	7.1				7.1	13.5						0.07	830	55.4				0.17	
26	5.769	7.1	155	108	0.70	7.0	13.3	13.7	91%	659	11	90%	510	0.04	899	60.0			0.95	
27	5.748	7.2				7.1	13.4						0.04	899	60.0				0.64	
28	7.164	7.2				7.2	13.4						0.06	899	60.0				1.34	
29	8.176	7.1				7.3	12.9						0.02	899	60.0				1.01	
30	5.317	7.1				7.2	13.0						0.06	884	59.0				0.03	
31	4.678	7.2				7.1	13.0						0.04	855	57.0				0.26	
TOT	97.150									2,968			1,839		17,614	1175.21			9.14	
MAX	8.176	7.6	500	381	6.16	7.5	16.0	15.5	98%	659	10.6	99%	510	0.09	899	59.98	285.1		1.34	
MIN	1.339	7.1	110	108	0.34	6.8	12.9	7.4	90%	96	5.0	90%	56	0.02	236	15.75	3.1		0.01	
AVG	3.134	7.3	323	242	2.55	7.2	14.8	11.9	95%	270	6.9	96%	167	0.05	568	37.91			0.34	

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

PERMIT LIMITS: 2.35MGD, pH 6.0 to 9.0, BOD TSS Conc-30 monthly/45weekly, Mass BOD TSS 1200 daily/880 weekly/590 monthly, EC/126 monthly

# Leachate Load Tickets -

Date	Pick up	mg/l	PH	Date	Pick up	mg/l	PH	Date	Pick up	mg/l	PH
12/1	7:58 AM	1.52	7.97	12/2		0.747	8.05	12/3	7:17 AM	249	8.09
12/1	1:10 PM	1.52	7.92	12/2	9:28 AM	0.747	8.06	12/3	9:03 AM	249	8.03
12/1	2:51 PM	1.52	7.92	12/2	10:39 AM	0.747	8.01	12/3	10:21 AM	249	8.01
				12/2	11:34 AM	0.747	8.00	12/3	11:55 AM	1.95	7.97
				12/2	1:04 PM	0.747	8.06	12/3	1:22 PM	1.95	7.95
								12/3	2:30 PM	1.95	7.91
								12/3	3:37 PM	1.95	7.93

**Total Gallons: 16,500 3      Total Gallons: 27,500 5      Total Gallons: 38,500 7**

Date	Pick up	mg/l	PH	Date	Pick up	mg/l	PH	Date	Pick up	mg/l	PH
12/4	8:05 AM	246	8.20	12/5	7:28 AM	284	8.09	12/6	7:00 AM	326	8.11
12/4	9:45 AM	246	8.11	12/5	8:30 AM	284	8.00	12/6	8:30 AM	326	8.08
12/4	11:00 AM	246	8.07	12/5	9:03 AM	284	7.99	12/6	9:30 AM	326	8.07
12/4	12:22 PM	246	8.04	12/5	9:30 AM	284	7.93	12/6	11:00 AM	326	8.04
12/4	1:25 PM	246	8.01	12/5	10:10 AM	284	7.94	12/6	11:45 AM	326	8.01
12/4	2:32 PM	246	8.01	12/5	11:15 AM	284	7.93	12/6	12:30 PM	326	7.99
12/4	3:30 PM	246	7.94	12/5	11:36 AM	284	7.95	12/6	1:00 PM	326	7.97
				12/5	12:15 PM	284	7.92	12/6	2:00 PM	326	7.97
				12/5	12:55 PM	1.41	7.95	12/6	2:30 PM	326	7.96
				12/5	1:59 PM	1.41	7.94	12/6	3:30 PM	326	7.95
				12/5	3:00 PM	284	7.93	12/6	3:40 PM	326	7.96
				12/5	3:09 PM	1.41	7.96				
				12/5	3:50 PM	284	7.91				
				12/5	4:21 PM	1.41	7.99				

**Total Gallons: 38,500 7      Total Gallons: 77,000 14      Total Gallons: 60,500 11**

Date	Pick up	mg/l	PH	Date	Pick up	mg/l	PH	Date	Pick up	mg/l	PH
12/7	5:15 AM	1.33	8.00	12/8	7:28 AM	1.63	8.09	12/10	7:09 AM	1.31	8.14
12/7	7:36 AM	1.33	7.98	12/8	8:42 AM	1.63	7.97	12/10	8:18 AM	1.31	8.04
12/7	8:54 AM	1.33	7.95	12/8		260	7.95	12/10	9:27 AM	1.31	8.03
12/7	10:17 AM	321	8.01	12/8	9:47 AM	1.63	8.00	12/10	10:39 AM	1.31	8.02
				12/8	10:19 AM	260	7.62	12/10	12:30 PM	283	8.01
				12/8	10:57 AM	1.63	7.97	12/10	2:25 PM	283	8.04
				12/8	12:04 PM	1.63	7.91	12/10	2:48 PM	283	8.01
				12/8	12:25 PM	260	7.93				
				12/8	1:08 PM	1.63	7.99				
				12/8	1:31 PM	260	7.96				
				12/8	2:17 PM	1.63	8.05				
				12/8	2:50 PM	260	8.01				
				12/8	3:27 PM	1.63	8.03				

**Total Gallons: 22,000 4      Total Gallons: 71,500 13      Total Gallons: 38,500 7**

Date	Pick up	mg/l	PH	Date	Pick up	mg/l	PH	Date	Pick up	mg/l	PH
12/11	3:15 PM	2.57	8.00	12/12	9:00 AM	0.165	8.17	12/13	6:16 AM	325	8.16
				12/12	10:30 AM	0.165	7.98	12/13	8:00 AM	0.863	8.02

# Leachate Load Tickets -

12/12	11:30 AM	0.165	7.83	12/13	10:00 AM	325	8.07
12/12	1:15 PM	0.165	7.95	12/13	12:30 PM	325	8.03
				12/13	1:45 PM	325	8.01
				12/13	2:00 PM	325	7.98
				12/13	2:15 PM	325	8.06
				12/13	3:00 PM	325	7.95
				12/13	12:00 AM	325	8.01

**Total Gallons: 5,500      1      Total Gallons: 22,000      4      Total Gallons: 49,500      9**

<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>
12/14	4:00 AM	0.863	8.01	12/15	7:29 AM	0.66	7.99	12/16	7:40 AM	0.66	8.08
12/14	5:15 PM	0.863	7.93	12/15	8:39 AM	0.66	7.86	12/16	8:44 AM	0.66	7.96
12/14	5:50 AM	1.1	7.91	12/15	9:46 AM	0.66	7.88	12/16	9:49 AM	0.66	7.95
12/14	6:30 AM	272	7.99	12/15	10:55 AM	0.66	7.88	12/16	10:56 AM	212	7.96
12/14	7:00 AM	272	8.02	12/15	12:09 PM	0.66	7.82	12/16	11:09 AM	212	8.00
12/14	7:45 AM	272	7.95	12/15	1:14 PM	0.66	7.87	12/16	12:15 PM	212	8.02
12/14	8:00 AM	272	8.01					12/16	12:42 PM	212	8.03
12/14	8:45 AM	272	8.01					12/16	1:49 PM	212	8.04
12/14	9:20 AM	272	8.00					12/16	2:05 PM	212	8.03
12/14	9:45 AM	272	8.00					12/16	2:52 PM	212	8.03
12/14	10:15 AM	1.1	7.96					12/16	3:20 PM	0.365	7.99
12/14	10:45 AM	272	7.88					12/16	3:56 PM	212	8.00
12/14	11:00 AM	272	7.96								

**Total Gallons: 71,500      13      Total Gallons: 33,000      6      Total Gallons: 66,000      12**

<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>
12/17	7:20 AM	174	7.96	12/18	5:00 AM	183	7.68	12/19	7:15 AM	164	8.01
12/17	9:17 AM	174	7.81	12/18	8:00 AM	183	7.87	12/19	8:40 AM	164	7.93
12/17	9:55 AM	174	7.77	12/18	10:15 AM	183	7.71	12/19	9:30 AM	164	7.78
12/17	9:56 AM	174	7.92	12/18	10:45 AM	183	7.77	12/19	10:30 AM	164	7.85
12/17	10:00 AM	174	7.86	12/18	11:50 AM	183	7.66	12/19	11:30 AM	2.15	7.83
12/17	10:51 AM	174	7.86	12/18	12:00 PM	0.389	7.80	12/19	12:30 PM	2.15	7.74
12/17	11:40 AM	174	7.88	12/18	12:40 PM	183	7.78	12/19	1:40 PM	2.15	7.75
12/17	11:52 AM	174	7.86	12/18	1:10 PM	0.389	7.85	12/19	2:40 PM	164	7.79
12/17	12:05 PM	174	7.85	12/18	1:20 PM	183	7.76	12/19	3:45 PM	164	7.91
12/17	12:35 PM	174	7.87	12/18	2:15 PM	0.389	7.86	12/19	5:39 PM	164	7.93
12/17	1:40 PM	174	7.93	12/18	2:39 PM	183	7.78	12/19	6:47 PM	164	7.92
12/17	1:56 PM	174	7.83	12/18	3:15 PM	0.385	7.88				
12/17	2:38 PM	174	7.83	12/18	3:45 PM	183	7.77				
12/17	3:00 PM	174	7.83	12/18	3:48 PM	183	7.93				
12/17	4:05 PM	174	7.86								

**Total Gallons: 82,500      15      Total Gallons: 77,000      14      Total Gallons: 60,500      11**

<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>
12/20	7:23 AM	0.515	7.83	12/21	6:45 AM	0.509	8.02	12/22	6:30 AM	1.06	7.93
12/20	8:45 AM	0.515	7.70	12/21	8:00 AM	216	7.93	12/22	7:00 AM	207	7.90
12/20	10:00 AM	0.515	7.76	12/21	8:00 AM	0.509	7.94	12/22	7:30 AM	207	7.95

## Leachate Load Tickets -

12/20	10:30 AM	0.515	7.72	12/21	8:45 AM	216	7.86	12/22	7:45 AM	1.06	7.89
12/20	11:15 AM	0.515	7.75	12/21	9:28 AM	216		12/22	8:00 AM	207	7.85
12/20	11:30 AM	195	7.85	12/21	9:43 AM	0.509	7.89	12/22	8:45 AM	207	7.84
12/20	12:00 PM	195	7.90	12/21	10:34 AM	216	7.79	12/22	9:00 AM	1.06	7.86
12/20	12:30 PM	0.515	7.85	12/21	10:52 AM	216	7.78	12/22	9:20 AM	207	7.84
12/20	1:00 PM	0.515	7.83	12/21	11:22 AM	0.509	7.87	12/22	10:00 AM	207	7.89
12/20	2:00 PM	195	7.82	12/21	12:05 PM	216	7.81	12/22	10:00 AM	1.06	7.86
12/20	2:30 PM	0.515	7.85	12/21	12:40 PM	216	7.94	12/22	10:33 AM	207	7.82
12/20	3:30 PM	0.515	7.75	12/21	12:50 PM	0.509	7.89	12/22	11:10 AM	207	7.88
				12/21	1:49 PM	216	7.86	12/22	11:45 AM	1.06	7.84
				12/21	2:13 PM	0.509	7.91	12/22	12:25 PM	207	7.87
				12/21	3:21 PM	0.509	7.83	12/22	12:42 PM	207	7.89
								12/22	12:52 PM	207	7.88
								12/22	1:40 PM	207	7.90
								12/22	1:53 PM	207	7.88
								12/22	2:08 PM	207	7.87
								12/22	2:56 PM	207	7.84
								12/22	3:25 PM	207	7.84
								12/22	4:01 PM	207	7.84
<b>Total Gallons:</b>		<b>66,000</b>	12	<b>Total Gallons:</b>		<b>82,500</b>	15	<b>Total Gallons:</b>		<b>121,000</b>	22

<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>
12/23	7:00 AM	208	7.91	12/24	5:00 AM	111	7.85	12/26	7:30 AM	166	7.79
12/23	8:10 AM	208	7.87	12/24	5:45 AM	111	7.81	12/26	7:30 AM	166	7.74
12/23	8:15 AM	208	7.85	12/24	7:00 AM	111	7.86	12/26	8:45 AM	166	7.75
12/23	9:23 AM	208	7.84			111		12/26	9:05 AM	166	7.73
12/23	9:32 AM	208	7.82	12/24	7:35 AM	111	7.84	12/26	9:30 AM	166	7.73
12/23	10:30 AM	208	7.83	12/24	8:00 AM	111	7.84	12/26	10:22 AM	166	7.70
12/23	10:42 AM	208	7.81	12/24	8:24 AM	111	7.84	12/26	10:33 AM	166	7.70
12/23	11:50 AM	208	7.83	12/24	8:48 AM	111	7.84	12/26	10:40 AM	166	7.71
12/23	12:01 PM	208	7.81	12/24	9:00 AM	111	7.83	12/26	11:19 AM	166	7.71
12/23	1:00 PM	208	7.83	12/24	9:33 AM	111	7.82	12/26	12:05 PM	166	7.71
12/23	1:32 PM	208	7.82	12/24	10:05 AM	111	7.83	12/26	12:15 PM	166	7.71
12/23	2:35 AM	208	7.83	12/24	10:30 AM	111	7.87	12/26	12:30 PM	166	7.71
12/23	3:13 PM	208	7.92	12/24	10:57 AM	111	7.83	12/26	1:12 PM	166	7.71
				12/24	11:15 AM	111	7.81	12/26	1:47 PM	166	7.71
				12/24	11:30 AM	111	7.83	12/26	3:09 PM	166	7.73
				12/24	12:06 PM	111	7.84	12/26	3:30 PM	166	7.73
				12/24	12:30 PM	111	7.92	12/26	4:17 PM	166	7.70
				12/24	12:30 PM	111	7.83	12/26	5:25 PM	166	7.75
				12/24	1:12 PM	111	7.81				
				12/24	1:32 PM	111	7.81				
				12/24	2:00 PM	111	7.83				
				12/24	3:00 PM	111	7.82				
				12/24	3:00 AM	111	7.83				
				12/24	3:42 AM	111	7.83				
				12/24	3:45 PM	111	7.83				



# Leachate Load Tickets -

<b>Total Gallons: 71,500</b>				<b>Total Gallons: 137,500</b>				<b>Total Gallons: 99,000</b>			
<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>
12/27	4:00 AM	166	7.74	12/28	12:15 AM	146	7.66	12/29	2:11 AM	138	7.83
12/27	4:30 AM	166	7.71	12/28	7:35 AM	138	7.72	12/29	3:20 AM	138	7.83
12/27	5:15 AM	166	7.71	12/28	8:12 AM	138	7.67	12/29	3:40 AM	138	7.77
12/27	6:00 AM	166	7.71	12/28	9:00 AM	138	7.67	12/29	3:40 AM	138	7.77
12/27	6:10 AM	146	7.70	12/28	10:11 AM	138	7.62	12/29	4:42 AM	138	7.78
12/27	7:00 AM	146	7.70	12/28	11:20 AM	138	7.65	12/29	5:30 AM	138	7.77
12/27	8:00 AM	146	7.71	12/28	11:36 AM	138	7.67	12/29		118	7.78
12/27	8:30 AM	146	7.70	12/28	12:01 PM	138	7.63	12/29	6:38 AM	118	7.78
12/27	8:50 AM	146	7.69	12/28	1:14 PM	138	7.63	12/29	6:55 AM	118	7.75
12/27	9:00 AM	146	7.69	12/28	2:21 PM	138	7.64	12/29	8:18 AM	118	7.79
12/27	10:55 AM	146	7.65	12/28	2:40 PM	138	7.66	12/29	8:58 AM	118	7.72
12/27	11:12 AM	146	7.65	12/28	3:09 PM	138	7.71	12/29	9:23 AM	118	7.62
12/27	11:30 AM	146	7.64	12/28	4:12 PM	138	7.71	12/29	9:45 AM	118	7.77
12/27	1:03 PM	146	7.67	12/28	4:32 PM	138	7.68	12/29	10:00 AM	118	7.77
12/27	1:20 PM	146	7.66	12/28	8:40 PM	138	7.83	12/29	10:19 AM	118	7.69
12/27	1:30 PM	146	7.67	12/28	8:50 PM	138	7.83	12/29	10:47 AM	118	7.56
12/27	2:20 PM	146	7.68	12/28	10:00 PM	138		12/29	11:15 AM	118	7.77
12/27	3:00 PM	146	7.66	12/28	10:37 PM	138	7.83	12/29	11:33 AM	118	7.67
12/27	4:00 PM	146	7.69	12/28	11:40 PM	138	7.84	12/29	11:54 AM	118	7.64
12/27	6:00 PM	146	7.81	12/28	11:40 PM	138	7.84	12/29	12:30 PM	118	7.77
12/27	6:30 PM	146	7.70	12/28	12:30 AM	138	7.83	12/29	12:54 PM	0.242	7.70
12/27	7:45 PM	146	7.80	12/28	1:11 AM	138	7.83	12/29	1:39 PM	118	7.64
12/27	8:45 PM	146	7.66	12/28	1:30 AM	138	7.83	12/29	1:55 PM	118	7.74
12/27	10:15 PM	146	7.66					12/29	2:15 PM	0.242	7.75
12/27	11:15 PM	146	7.66					12/29	2:35 PM	0.242	7.65
								12/29	3:05 PM	118	7.71
								12/29	3:29 PM	0.242	7.72
								12/29	4:02 PM	0.242	7.62

<b>Total Gallons: 137,500</b>				<b>Total Gallons: 126,500</b>				<b>Total Gallons: 154,000</b>			
<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>
12/30	6:30 AM	0.427	7.82	12/31	5:10 AM	0.611	7.76				
12/30	7:09 AM	113	7.72	12/31	6:46 AM	0.611	7.69				
12/30	7:51 AM	0.427	7.78	12/31	7:30 AM	0.611	7.72				
12/30	8:26 AM	113	7.70	12/31	7:57 AM	0.611	7.72				
12/30	8:53 AM	0.427	7.75	12/31	8:28 AM	130	7.69				
12/30	9:20 AM	113		12/31	8:59 AM	0.611	7.72				
12/30	9:57 AM	0.427	7.78	12/31	9:26 AM	130	7.67				
12/30	10:19 AM	113	7.69	12/31	10:05 AM	0.611	7.72				
12/30	11:01 AM	0.427	7.69	12/31	10:29 AM	130	7.62				
12/30	11:23 AM	113		12/31	11:09 AM	0.611	7.66				
12/30	12:01 PM	0.427	7.65	12/31	12:12 PM	130	7.66				
12/30	12:29 PM	113	7.67	12/31	12:28 PM	0.611	7.68				
12/30	1:04 PM	0.427	7.74	12/31	1:14 PM	130	7.62				
12/30	1:45 PM	113		12/31	1:42 PM	0.611	7.70				

## Leachate Load Tickets -

12/30	2:08 PM	0.427	7.72	12/31	2:18 PM	130	7.64
12/30	2:59 PM	113	7.66	12/31	2:50 PM	0.611	7.73
12/30	3:14 PM	0.427	7.72	12/31	3:41 PM	130	7.72
12/30	3:55 PM	113	7.74	12/31	3:55 PM	130	7.76
12/30	4:51 PM	113	7.83	12/31	4:51 PM	130	7.78
12/30	5:49 PM	113	7.84				
12/30	6:59 PM	113					
12/30	7:55 PM	113	7.77				
12/30	8:54 PM	113	7.84				
12/30	9:58 PM	113	7.83				
12/30	10:55 PM	113	7.82				

**Total Gallons: 137,500 25 Total Gallons: 104,500 19 Total Gallons: 0 0**

TOTAL TICKETS: 381  
**TOTAL GALLONS/MONTH:** 2,095,500  
 \$41,910