

Koocanusa Village Water Treatment & Distribution System- 2025

Annual Operations Report — 2025

Executive Summary

This annual report summarizes 2025 operations for the Koocanusa Village water treatment and distribution system. The report highlights production volumes, routine maintenance activities, and notable improvements completed during the year.

- Key 2025 highlights:
- No major main breaks or reportable incidents occurred on the system.
- Three (2) pressure-reducing valves (PRVs) were serviced to ensure reliable zone pressures and valve performance.
- A new TU 5000 turbidimeter was installed at the reservoir to improve online turbidity monitoring and data reliability.
- Chlorine and Turbidity analyzers were calibrated and certified by a third party

Water Production Summary

Month	Treated/Distributed (m ³) — Total	Raw Water (m ³) — Total	Chlorine used (L)
JAN	1,929	1,716	114
FEB	1,781	1,304	80
MAR	772	360	17
APR	1,745	2,421	32
MAY	2,452	5,094	148
JUN	9,903	9,903	175
JUL	11,049	13,297	215
AUG	7,504	10,498	217
SEP	9,199	9197	197
OCT	1,661	1,567	57

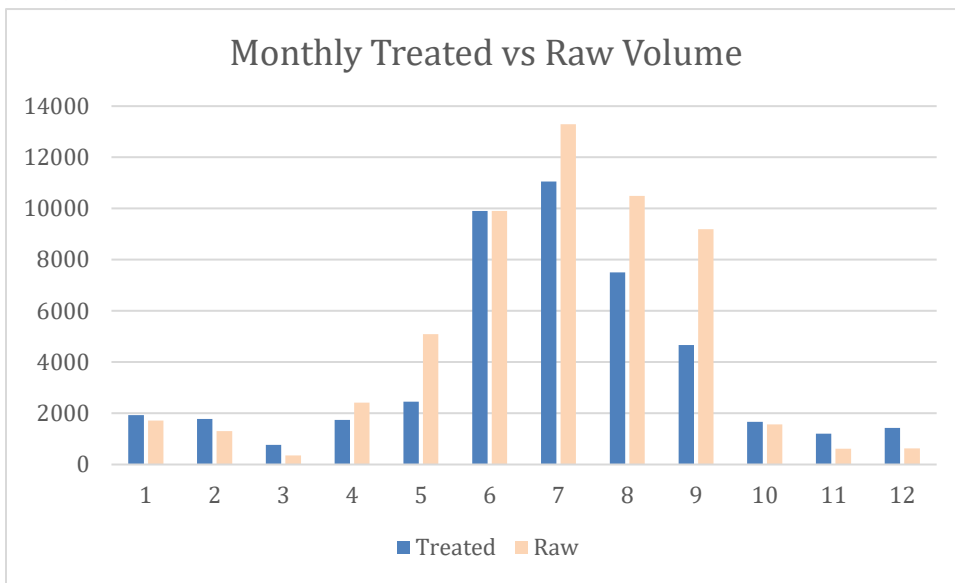
NOV	1,202	616	20
DEC	1,424	626	50

Annual raw water total (as recorded): 56,601 m³

Annual treated/distributed total (as recorded): 46,087m³

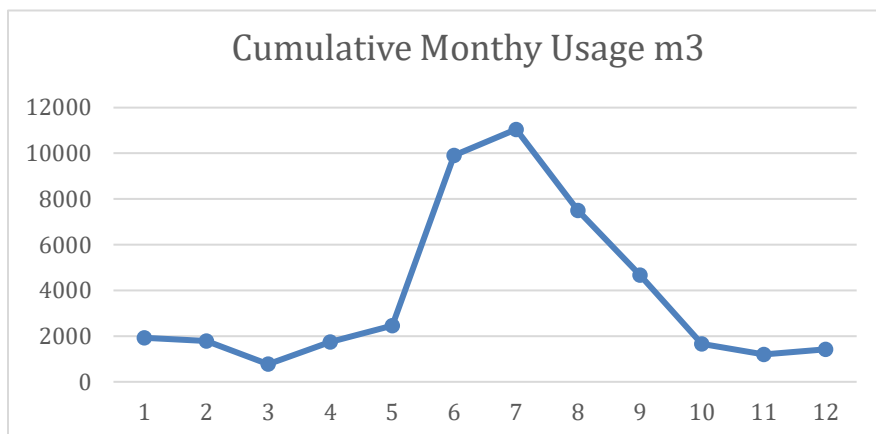
Annual hypochlorite use (as recorded): 47,599 L

Graphs



Treated Vs Raw By Month

Cumulative Treated



Operations & Maintenance

- Three PRVs were serviced (inspection, cleaning, and set-point verification).
- Routine site inspections, reservoir checks, and instrument calibrations were completed as scheduled.
- Commissioned a new TU 5000 turbidimeter at the reservoir to enhance turbidity trend tracking and verification against grab samples.
- Review and edit of the ERP for the Utility

Incidents & Compliance

No significant distribution system breaks, water quality incidents, or regulatory reportable events were recorded in 2025 based on the operational logs.

Recommendations for 2026

- Continue annual PRV servicing and verify zone pressures after peak-demand periods.
- Trend the new TU 5000 online turbidity readings against grab samples during seasonal turnover for optimization.
- Maintain routine chlorine residual spot checks throughout the distribution system to confirm secondary disinfection objectives.
- Perform annual Verification/ Flow test on the Raw follow Meter as well as the Distribution Flow Meter to ensure accuracy of these pieces of equipment

**Koocanusa Village Waterworks System Facility
2025 Operator Summary**

Operator	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Annual	Initials
Supervisor	Jay S	Jay S	Jay S	Jay S	Jay S	Jay S	Jay S	Jay S	Jay S	Jay S	Jay S	Jay S	Jay S	
Lead hand	Chad D	Chad D	Chad D	Chad D	Chad D	Chad D	Chad D	John N	John N	John N	John N	John N		
Operator											Hardik M	Hardik M		
OIT														
OIT														

Operations Company:

Sampson Water Services Ltd.

66 32379 Range Road 55
Sundre, AB
T0M 1X0
Tel: 587-577-9283
Email: jay@sampsonwaterservices.com

Permit Holder:

KV Properties

Alan Agate
Utilities Manager
Cell 250-489-9867

Email: alanagate.kvr@gmail.com

Operational Staff Contact Information:

Jay Sampson – Owner/Operator 3

Mobile: 587-888-7692
Office: 587-577-9283
Web: www.sampsonwaterservices.com

Chad Davis Operator Mobile: 250-919-6903

John Nicholas – Operator 250-341-5700

Hardik Modi Operator Mobile: 857-432-2760

Chemicals Used:

Manufacturer:
Product Function:

Product Name: Sodium Hypochlorite 12% Solution
ClearTech Industries Inc.
Disinfection



CERTIFICATE OF INSTRUMENT PERFORMANCE

THIS CERTIFIES THAT

WALCHEM W600 SN 2106020056

AT

KOOCANUSA VILLAGE

Has been serviced, calibrated, verified with standards, and now meets new product specifications effective:

DECEMBER 30, 2025

Next Certification Due December **2026**

INSTA-CAL



INSTA-CAL


Christopher Legge
Senior Instrument Technician
INSTA-CAL

For information on recertification of this or calibration, please contact INSTA-CAL at (403) 604-8225

CERTIFICATE OF INSTRUMENT PERFORMANCE

THIS CERTIFIES THAT
TU5300 SN 2054531
AT
KOOCANUSA VILLAGE

Has been serviced, calibrated, verified with standards, and now meets new
product specifications effective:

DECEMBER 30, 2025

Next Certification Due December **2026**



INSTA-CAL


Christopher Legge
Senior Instrument Technician
INSTA-CAL

For information on recertification of this or calibration, please contact INSTA-CAL at (403) 604-8225

CERTIFICATE OF INSTRUMENT PERFORMANCE

THIS CERTIFIES THAT

CLF10 SN 250245015065

AT

KOOCANUSA VILLAGE

Has been serviced, calibrated, verified with standards, and now meets new product specifications effective:

DECEMBER 30, 2025

Next Certification Due December **2026**

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