

**KICKING HORSE MOUNTAIN RESORT VILLAGE**

**MAIN WATER SYSTEM**



Facility Number 12-098-00152

**2025 ANNUAL WATER REPORT TO INTERIOR HEALTH**

Date of Issue: April

This report was produced on behalf of the Kicking Horse Mountain Utility Corporation  
Ltd. by

Travis Jobin, Utility Manager  
Charles Laumet, Utility Operator 1

Kicking Horse Mountain Resort, 1500 Kicking Horse Trail, PO Box 839, Golden, BC, V0A  
1H0



## **Potable Water System Operations Summary**

The KHMUC potable water system continued to serve the KHMR village in 2025. Much of our system is approaching the 25 year mark. Some of the major components are in need of replacing and upgrading. In total the system produced 94075m<sup>3</sup> in 2025

## **Operator Certification**

Utility Manager: Travis Jobin(WD2, WWT3, SWS) EOCP #7640

Utility Operator: Charles Laumet (WD1,WWT2) EOCP #1001818

Utility Operator: Tabias Frisky (WWT1, OIT) EOCP #1002522

## **Long Term Plans for System Improvements**

**Water Sources** – Quality and quantity testing was completed in 2023 on Well 13. Well 13 is an artesian well that was drilled in 2009. It is located mid mountain and is approximately 1000m west of the existing reservoir. The engineering to connect the well is not complete.

**Treatment** – Currently the KHMR village water system is untreated. As per IH DWO Jennifer Beverley’s conditions on permit dated Aug 9, 2025 KHMUC has been asked to investigate secondary treatment for the distribution system. KHMUC has moved away from manually dosing the reservoir monthly and is only dosing as a response to a failed test or critical infrastructure fail. KHMUC is anticipating chlorine treatment being installed along with the addition of Well 13 to the system.

**Distribution** – Expansion of the distribution system will come as a result of real estate development. There are plans for development but at this time there is no timeline.



## **Events in 2025**

- March 3** – Water line break (ARV failure) at Cedar Reservoir; level dropped to 8%. Repairs completed, IH notified, emergency procedures followed, and water conservation notice issued.
- March 4–5** – Turbidity <1 NTU; Well 7 start-u.p initiated. Seasonal antimony, manganese, and uranium sampling (Wells 3, 4, and Mixed).
- March 5** – Water conservation notice lifted.
- March 7** – Well 4 hits low level.
- March 17** – Well 7 operational; all samples satisfactory.
- April 18** – Well 7 not producing; investigation is pending. Well taken offline.
- April 21** – 2024 Annual Drinking Water Report uploaded to website.
- April 27** – Power outage; emergency procedures followed and IH notified.
- April 29** – Power restored; no water conservation required.
- May 2** – Well 4 blow-off failure; Well 3 put into operation.
- May 9** – Well 4 line repaired and super-chlorinated.
- May 10–12** – Flushing, chlorination, additional flushing, and two rounds of sampling completed.
- May 15** – Well 4 returned to service.
- June** – Valve exercising and inspections throughout the village
- June** – P. Major coordinating with contractor on design of well caps for Wells 3 and 4.
- July 4** – Failed sample (1 TC from July 2); emergency procedures followed, IH notified, reservoir chlorinated.
- July 5** – 0.6 free chlorine residual at sample site; sample sent to ALS.
- July 28** – Seasonal antimony, manganese, and uranium sampling (Wells 3, 4, and mixed source).
- July** – Annual fire hydrant testing completed by Spruce Fire Safety.
- August 1** – Unidirectional flushing of water main loop completed.
- August 29** – DWO Jennifer Beverley inspected water system (well houses and reservoir).
- November 17** – Seasonal MUA sampling completed.
- November 24** – Snowmaking from hydrant commenced.
- December 6** – Snowmaking from hydrant completed for the season.



## **Planned Activities for 2026**

**PRV Inspection & Repair:** KHMUC is scheduling Mearls Machinery to inspect and repair our 4 below grade Pressure Reducing Valve chambers. *Estimated completion Late Spring 2026*

**Hydrant Inspection & Repair:** KHMUC is scheduling Sprouse Fire & Safety to inspect and repair our Fire Hydrants. *Estimated completion Late Spring 2026*

**SCADA Replacement:** KHMUC is scheduling Xenon-Cyber Dynamics Inc. to replace our failed SCADA system. *Estimated completion Fall 2026*

**ARV Replacement:** KHMUC will be replacing 3 ARVs this year. *Estimated completion Summer 2026*

**Village Flowmeter Replacement:** KHMUC will be replacing 2 Flow meters this year. *Estimated completion Winter 2026*

## **Water Quality Monitoring Program**

Weekly samples were taken and tested for Total Coliform and E. coli. Samples were processed at ALS Environmental in Calgary, AB. Samples were collected at the Wastewater Treatment Plant and the Admin Building.

Seasonal monitoring of antimony, uranium, and manganese concentrations is also being conducted through sampling at Well 3, Well 4, and the mixed water within the distribution system.



2025	Village DW Samples				
	WWTP	Admin	2026	WWTP	Admin
2-Jan	OK	OK	8-Jul	OK	OK
6-Jan	OK	OK	16-Jul	OK	OK
13-Jan	OK	OK	21-Jul	OK	OK
20-Jan	OK	OK	28-Jul	OK	OK
27-Jan	OK	OK	5-Aug	OK	OK
4-Feb	OK	OK	11-Aug	OK	OK
11-Feb	OK	OK	18-Aug	OK	OK
18-Feb	OK	OK	26-Aug	OK	OK
24-Feb	OK	OK	2-Sep	OK	OK
3-Mar	OK	OK	8-Sep	OK	OK
10-Mar	OK	OK	15-Sep	OK	OK
19-Mar	OK	OK	22-Sep	OK	OK
25-Mar	OK	OK	1-Oct	OK	OK
31-Mar	OK	OK	9-Oct	OK	OK
7-Apr	OK	OK	14-Oct	OK	OK
15-Apr	OK	OK	22-Oct	OK	OK
22-Apr	OK	OK	27-Oct	OK	OK
28-Apr	OK	OK	4-Nov	OK	OK
7-May	OK	OK	12-Nov	OK	OK
12-May	OK	OK	17-Nov	OK	OK
20-May	OK	OK	26-Nov	OK	OK
26-May	OK	OK	3-Dec	OK	OK
2-Jun	OK	OK	9-Dec	OK	OK
9-Jun	OK	OK	17-Dec	OK	OK
18-Jun	OK	OK	21-Dec	OK	OK
23-Jun	OK	OK	26-Dec	OK	OK
2-Jul	1 TC	OK	21-Dec	OK	OK
7-Jul	OK	OK	26-Dec	OK	OK
OK = <1 Total Coliform, <1 E. Coli			OK = <1 Total Coliform, <1 E. Coli		

2025	Seasonal M/U/A								
	Well 3			Well 4			Mixed		
	Manganese	Uranium	Antimony	Manganese	Uranium	Antimony	Manganese	Uranium	Antimony
4-Mar	0.00258	0.01540	0.00285	0.00443	0.00930	0.00108	0.00379	0.01210	0.00200
19-Mar	-	-	-	-	-	-	0.00352	0.01160	0.00200
28-Jul	0.00466	0.01960	0.00610	0.00492	0.00959	0.00158	0.00433	0.01370	0.00408
17-Nov	0.00312	0.01920	0.00453	0.00479	0.01040	0.00180	0.00308	0.01500	0.00311