

Fernie Alpine Resort Utility Corporation

Potable Water System Operational Summary 2022

Potable Water System Operations Summary

The potable water system continues to operate well, meeting all Canadian Drinking Water Standards. In 2022 there were no advisories or warnings issued.

Construction of the new reservoir is complete, and the reservoir is now in service. FARUC is currently reviewing the final costs with the BC Government's Comptroller of Water Rights.

Commissioning of the new Potable Water Treatment Plant is targeted for summer 2023. FARUC has now received a permit from BC Interior Health for the connection of well 2 and additional monitoring equipment to complete the assessment for installation of the UV unit. Upon completion of this facility, a levy will be applied to recover the existing customers cost share of the works. Further details on the cost recoveries can be found in the Comptroller of Water Rights decision letter referenced below.

2022 Water Rates

A review of FARUC's potable water system and rate structure was completed in 2018 and reviewed by the BC Government's Comptroller of Water Rights. The Comptroller approved a new Tariff and rate structure for the water system. A copy of the new Tariff and decision by the Comptroller can be viewed at <https://skifernie.com/utility-services/>. As such, the water rate for 2022 remains \$50.00/BU, with \$18.00/BU being deposited into the Water Replacement Trust Fund. Funds in the trust can only be released with the Comptroller's approval.

2022 Facility Classification & Emergency contact

The FARUC Water Treatment Plant is classified as a Level 1 Water Facility.

FARUC currently employs 1 full time manager and 2 operators. All three are fully qualified. Operators are either on duty or on-call 24 hrs./day.

In case of Emergency, please contact FAR Security – 1 -250 – 423 – 9086.

2022 Potable Water System Improvements

Work was completed in the summer of 2022 of a replacement PRV station, across ski hill road from the mountain pantry. Further improvements for 2023 is the completion of the new WTP and related infrastructure, including new wireless controls and monitoring equipment.

2022 Fire Hydrant Testing

Attached are the results of the annual fire hydrant testing.

2022 Bacterial Testing

Weekly Bacterial Test samples were taken as required by BC Interior Health. There were no failed tests for either E. Coli or Coliforms and no boil water advisories were issued in 2022.

Potable Water Quality – Well #1

Attached is a summary of water the water quality tests completed in fall of 2022. Next test to be completed in fall 2023. All samples are of raw water prior to treatment.

Potable Water Quality – Well #2

Well # 2 has been approved as a water source but is currently not in use. There is additional maintenance work to be performed on this well in May 2023. After this work is completed, a full chemical analysis will be performed on Well # 2. The plan is to have this well in production in fall 2023.

Fernie Alpine Resort Water Distribution 2022 Summary

Month	Chlorine Residual (mg/L)																				Water Usage (m ³)			Turbidity (NTU)				Independent Testing	
	Reservoir 1 CL ₂		Reservoir 2 CL ₂		River Pump CL ₂		WWTP CL ₂		Shop CL ₂		Tamarack CL ₂		Boomerang CL ₂		Lizard Creek CL ₂		Snow Creek CL ₂		Pantry CL ₂		River Pp			Spring		River		T. Coliform	E. Coli
	Average	Median	Average	Median	Average	Median	Average	Median	Average	Median	Average	Median	Average	Median	Average	Median	Average	Median	Average	Median	Average	Median	Total	Average	Median	Average	Median		
Jan	1.00	1.03	0.71	0.69	0.31	0.28	0.32	0.32	0.37	0.38	0.47	0.46	0.55	0.57	0.58	0.65	0.65	0.59	0.42	0.40	379	321	11756	0.159	0.139	0.092	0.090	>1	>1
Feb	1.11	1.15	0.65	0.65	0.30	0.26	0.32	0.33	0.32	0.33	0.50	0.48	0.50	0.51	0.42	0.39	0.45	0.42	0.35	0.31	454	442	12700	0.116	0.112	0.115	0.112	>1	>1
Mar	0.85	0.90	0.62	0.61	0.48	0.51	0.35	0.34	0.30	0.31	0.40	0.39	0.51	0.47	0.44	0.47	0.50	0.48	0.46	0.42	405	420	12541	0.462	0.279	0.133	0.120	>1	>1
Apr	0.84	0.90	0.75	0.75	0.25	0.23	0.41	0.38	0.37	0.35	0.60	0.58	0.65	0.67	0.59	0.51	0.62	0.60	0.47	0.53	200	229	6008	0.232	0.189	0.106	0.108	>1	>1
May	0.89	0.86	0.80	0.78	0.35	0.28	0.37	0.35	0.36	0.36	0.48	0.44	0.71	0.66	0.61	0.65	0.56	0.54	0.39	0.37	191	169	5914	0.200	0.165	0.149	0.084	>1	>1
June	0.75	0.81	0.62	0.63	0.15	0.14	0.35	0.31	0.32	0.31	0.57	0.50	0.57	0.59	0.60	0.62	0.48	0.48	0.41	0.38	229	198	6866	0.267	0.154	0.156	0.084	>1	>1
July	1.44	1.40	0.86	0.92	0.30	0.17	0.43	0.42	0.44	0.44	0.67	0.62	0.67	0.62	0.74	0.71	0.72	0.72	0.53	0.54	468	478	14515	0.134	0.134	0.077	0.077	>1	>1
Aug	2.17	2.20	1.18	1.18	0.56	0.57	0.51	0.53	0.49	0.50	0.70	0.62	0.80	0.70	0.89	0.93	0.83	0.71	0.61	0.58	615	624	19057	0.149	0.137	0.090	0.090	>1	>1
Sept	2.20	2.20	0.67	0.62	0.73	0.71	0.60	0.58	0.54	0.52	0.64	0.62	0.52	0.52	0.59	0.58	0.58	0.58	0.71	0.68	465	426	13941	N/A	N/A	0.094	0.095	>1	>1
Oct	2.20	2.20	0.88	0.80	0.84	0.82	0.63	0.64	0.63	0.64	0.76	0.64	0.83	0.73	0.77	0.72	0.81	0.78	0.74	0.74	293	261	9096	0.845	0.147	0.101	0.100	>1	>1
Nov	1.74	1.95	0.76	0.79	0.61	0.58	0.62	0.66	0.51	0.50	0.67	0.67	0.65	0.65	0.62	0.64	0.68	0.63	0.64	0.65	246	245	7392	0.202	0.192	0.126	0.110	>1	>1
Dec	1.62	1.64	0.80	0.83	0.58	0.60	0.57	0.57	0.58	0.59	0.64	0.63	0.70	0.66	0.78	0.70	0.67	0.69	0.58	0.67	414	416	12821	0.168	0.166	0.109	0.105	>1	>1
Annual	1.40	1.27	0.78	0.77	0.45	0.40	0.46	0.40	0.43	0.41	0.59	0.60	0.64	0.64	0.64	0.65	0.63	0.60	0.53	0.53	363	369	132607	0.267	0.154	0.112	0.097	no	no



SPROUSE FIRE & SAFETY

Unit #38, 5329 – 72 Ave. SE, Calgary, Alberta T2C 3C4
Phone: (403) 265-3891 Fax: (403) 237-7861

FIRE HYDRANT INSPECTION REPORT

DATE: 28-Jun-2022

CUSTOMER BUILDING ADDRESS: Fernie Alpine Resorts c/o Resorts of the Canadian Rockies.

DESCRIPTION OF SYSTEM (No. of Hydrants, Manufacturer, Hydrant Type, Layout):

25) McAvity M67B (2017). 26) McAvity Brigadier (2021)

27) McAvity Brigadier (2021)

Hydrant List:

No. 25 of 25		Location: Entrance to Timber Land Estates		Shut Off Location: Approximately 10' S of Hydrant	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum		
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>		
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>		
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>		
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>			
Static Pressure: 80 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat			
Residual Pres w/2.5" F.O.: 20 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>			
Pitot Pressure: 10 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>			
Calculated Flow: 533 GPM		OK <input checked="" type="checkbox"/>			
No. 26		Location: C-1		Shut Off Location: New Hydrant to be designated	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum		
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>		
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>		
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>		
Ok <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Ok <input checked="" type="checkbox"/>			
Static Pressure: 100 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat			
Residual Pres w/2.5" F.O.: 60 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>			
Pitot Pressure: 20 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>			
Calculated Flow: 754 GPM		OK <input checked="" type="checkbox"/>			
No. 27		Location: C-2		Shut Off Location: New Hydrant to be designated	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum		
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>		
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>		
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>		
Ok <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Ok <input checked="" type="checkbox"/>			
Static Pressure: PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat			
Residual Pres w/2.5" F.O.: PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>			
Pitot Pressure: PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>			
Calculated Flow: GPM		OK <input checked="" type="checkbox"/>			

REPAIRS (Replacing O-rings, Gaskets, Caps Missing, Valve Rubber, Internal Components):

NA

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)

These Fire Hydrants are in a suitable condition for regular service as tested on June 28, 2022

Sprouse Fire and Safety Corp assumes no further liability.

Hydra test #25 residual pressure is lower than expected.



SPROUSE FIRE & SAFETY

Unit #38, 5329 – 72 Ave. SE, Calgary, Alberta T2C 3C4
Phone: (403) 265-3891 Fax: (403) 237-7861

FIRE HYDRANT INSPECTION REPORT

DATE: 27-Jun-2022

CUSTOMER BUILDING ADDRESS: Fernie Alpine Resort c/o Resorts of the Canadian Rockies

DESCRIPTION OF SYSTEM (No. of Hydrants, Manufacturer, Hydrant Type, Layout):

1. McAvity M67 (1975). 2. Mueller Century(1981). 3. Mueller Century(1981)

Hydrant List:

No. 1 of 25 Location:		At the Main Ticket Kiosk Center Court		Shut Off Location:		Approximately 3' behind Hydrant	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum				
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>				
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>				
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>				
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>					
Static Pressure:	95 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat				
Residual Pres w/2.5" F.O.:	85 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>				
Pitot Pressure:	36 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>				
Calculated Flow:	1012 GPM		OK <input checked="" type="checkbox"/>				
No. 2 of 25 Location:		At the Griz Inn Entrance		Shut Off Location:		Unknown	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum				
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>				
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>				
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>				
Ok <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Ok <input checked="" type="checkbox"/>					
Static Pressure:	95 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat				
Residual Pres w/2.5" F.O.:	85 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>				
Pitot Pressure:	36 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>				
Calculated Flow:	1012 GPM		OK <input checked="" type="checkbox"/>				
No. 3 of 25 Location:		At the Entrance to parking lot of Fernie Lodging Co.		Shut Off Location:		Approximately 3' West of Hydrant	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum				
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>				
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>				
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>				
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>					
Static Pressure:	70 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat				
Residual Pres w/2.5" F.O.:	45 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>				
Pitot Pressure:	20 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>				
Calculated Flow:	653 GPM		OK <input checked="" type="checkbox"/>				

REPAIRS (Replacing O-rings, Gaskets, Caps Missing, Valve Rubber, Internal Components):

NA

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)

The Fire Hydrants at this location have been inspected and were found to be in a suitable condition for regular service on June 27/28,2022.

Sprouse Fire and Safety orp assumes no further liability.



SPROUSE FIRE & SAFETY

Unit #38, 5329 – 72 Ave. SE, Calgary, Alberta T2C 3C4
Phone: (403) 265-3891 Fax: (403) 237-7861

FIRE HYDRANT INSPECTION REPORT

DATE: 27-Jun-2022

CUSTOMER BUILDING ADDRESS: Fernie Alpine Resort c/o Resorts of the Canadian Rockies

DESCRIPTION OF SYSTEM (No. of Hydrants, Manufacturer, Hydrant Type, Layout):

4. Mueller Century. 5. Mueller Century

6. Mueller Century

Hydrant List:

No. 4 of 25 Location: Timberline Crescent (beside premise #4553) **Shut Off Location:** Approximately 3' South of Hydrant

Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	
Static Pressure: 80 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat	
Residual Pres w/2.5" F.O.: 40 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>	
Pitot Pressure: 20 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>	
Calculated Flow: 754 GPM		OK <input checked="" type="checkbox"/>	

No. 5 of 25 Location: Corner of Timberline Crescent (Premise 4477). **Shut Off Location:** Approximately 3' South of Hydrant

Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	
Static Pressure: 110 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat	
Residual Pres w/2.5" F.O.: 40 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>	
Pitot Pressure: 20 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>	
Calculated Flow: 754 GPM		OK <input checked="" type="checkbox"/>	

No. 6 of 25 Location: Timberline Crescent (beside premise 4427) **Shut Off Location:** Approximately 16" NE of Hydrant

Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	
Static Pressure: 110 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat	
Residual Pres w/2.5" F.O.: 70 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>	
Pitot Pressure: 30 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>	
Calculated Flow: 924 GPM		OK <input checked="" type="checkbox"/>	

REPAIRS (Replacing O-rings, Gaskets, Caps Missing, Valve Rubber, Internal Components):

NA

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)



SPROUSE FIRE & SAFETY

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FIRE HYDRANT INSPECTION REPORT

DATE: 27-Jun-2022

CUSTOMER BUILDING ADDRESS: Fernie Alpine Resort c/o Resorts of the Canadian Rockies.

DESCRIPTION OF SYSTEM (No. of Hydrants, Manufacturer, Hydrant Type, Layout):

7. Mueller Centurion 8. McAvity 67 Brigadier (1995)

9. McAvity 67 Brigadier (1995)

Hydrant List:

No. 7 of 25 Location:		Timberline Crescent at premise 4389		Shut Off Location: 2' SW of Hydrant	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum		
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>		
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>		
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>		
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>			
Static Pressure: 80 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat			
Residual Pres w/2.5" F.O.: 65 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>			
Pitot Pressure: 28 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>			
Calculated Flow: 893 GPM		OK <input checked="" type="checkbox"/>			
No. 8 of 25 Location:		At Entrance to Maintenance Shop		Shut Off Location: Unknown	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum		
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>		
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>		
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>		
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>			
Static Pressure: 60 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat			
Residual Pres w/2.5" F.O.: 50 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>			
Pitot Pressure: 20 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>			
Calculated Flow: 754 GPM		OK <input checked="" type="checkbox"/>			
No. 9 of 25 Location:		Located at Poler Peaks Lodge (Lodge #8)		Shut Off Location: Unknown (curb box at entrance?)	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum		
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>		
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>		
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>		
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>			
Static Pressure: 65 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat			
Residual Pres w/2.5" F.O.: 42 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>			
Pitot Pressure: 18 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>			
Calculated Flow: 716 GPM		OK <input checked="" type="checkbox"/>			

REPAIRS (Replacing O-rings, Gaskets, Caps Missing, Valve Rubber, Internal Components):

NA

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)



SPROUSE FIRE & SAFETY

Unit #38, 5329 – 72 Ave. SE, Calgary, Alberta T2C 3C4
Phone: (403) 265-3891 Fax: (403) 237-7861

FIRE HYDRANT INSPECTION REPORT

DATE: 15-Jun-2021

CUSTOMER BUILDING ADDRESS: Fernie Alpine Resorts c/oResorts of the Canadian Rockies

DESCRIPTION OF SYSTEM (No. of Hydrants, Manufacturer, Hydrant Type, Layout):

10. McAvity 67 Brigadier (1995). 11. McAvity 67 Brigadier(1995)

12. McAvity 67 Brigadier (1999)

Hydrant List:

No. 10 of 25 Location:		Right side of Cul De Sac (at Fire Lane).		Shut Off Location:		Approximately 2' N of Hydrant	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum				
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>				
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>				
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>				
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>					
Static Pressure:	65 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat				
Residual Pres w/2.5" F.O.:	40 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>				
Pitot Pressure:	18 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>				
Calculated Flow:	716 GPM		OK <input checked="" type="checkbox"/>				
No. 11 of 25 Location:		Highline Drive at premise 5400		Shut Off Location:		Approximately 4' NW of Hydrant	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum				
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>				
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>				
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>				
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>					
Static Pressure:	110 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat				
Residual Pres w/2.5" F.O.:	100 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>				
Pitot Pressure:	35 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>				
Calculated Flow:	998 GPM		OK <input checked="" type="checkbox"/>				
No. 12 of 25 Location:		Stone Creek Chalets 5423		Shut Off Location:		Approximately 3' N of Hydrant	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum				
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>				
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>				
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>				
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>					
Static Pressure:	95 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat				
Residual Pres w/2.5" F.O.:	60 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>				
Pitot Pressure:	28 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>				
Calculated Flow:	893 GPM		OK <input checked="" type="checkbox"/>				

REPAIRS (Replacing O-rings, Gaskets, Caps Missing, Valve Rubber, Internal Components):

NA

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)

The Fire Hydrants at this location have been inspected and were found to be in a suitable condition for regular service on June 27, 2022. Sprouse Fire and Safety Corp assumes no further liability



SPROUSE FIRE & SAFETY

Unit #38, 5329 – 72 Ave. SE, Calgary, Alberta T2C 3C4
Phone: (403) 265-3891 Fax: (403) 237-7861

FIRE HYDRANT INSPECTION REPORT

DATE: 27-Jun-2022

CUSTOMER BUILDING ADDRESS: Fernie Alpine Resorts c/o Resorts of the Canadian Rockies

DESCRIPTION OF SYSTEM (No. of Hydrants, Manufacturer, Hydrant Type, Layout):

13. McAvity 67 Brigadier (1995). 14. McAvity 67 Brigadier (1995)

15. McAvity M67 (1995)

Hydrant List:

No. 13 of 25		Location: Highline Drive at Lizard Creek Lodge Entrance		Shut Off Location: Approximately 4' N of Hydrant	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum		
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>		
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>		
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>		
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>			
Static Pressure: 105 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat			
Residual Pres w/2.5" F.O.: 85 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>			
Pitot Pressure: 35 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>			
Calculated Flow: 998 GPM		OK <input checked="" type="checkbox"/>			
No. 14 of 25		Location: Highline Drive at Ingamo Lodge		Shut Off Location: Approximately 2' SE of Hydrant	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum		
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>		
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>		
Leaks <input checked="" type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>		
Ok <input type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>			
Static Pressure: 100 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat			
Residual Pres w/2.5" F.O.: 75 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>			
Pitot Pressure: 30 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>			
Calculated Flow: 924 GPM		OK <input checked="" type="checkbox"/>			
No. 15 of 25		Location: Highline Drive at Premise # 5281		Shut Off Location: Approximately 8' S of Hydrant	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum		
Paint Required <input checked="" type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>		
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>		
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>		
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>			
Static Pressure: 100 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat			
Residual Pres w/2.5" F.O.: 70 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>			
Pitot Pressure: 30 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>			
Calculated Flow: 924 GPM		OK <input checked="" type="checkbox"/>			

REPAIRS (Replacing O-rings, Gaskets, Caps Missing, Valve Rubber, Internal Components):

NA

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)

The Fire Hydrants at this location have been inspected and were found to be in a suitable condition for regular service on June 27, 2022. Sprouse Fire and Safety Corp assumes no further liability.



SPROUSE FIRE & SAFETY

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FIRE HYDRANT INSPECTION REPORT

DATE: 27-Jun-2022

CUSTOMER BUILDING ADDRESS: Fernie Alpine Resorts c/o Resorts of the Canadian Rockies

DESCRIPTION OF SYSTEM (No. of Hydrants, Manufacturer, Hydrant Type, Layout):

16.McAvity 67 Brigadier (1995). 17.McAvity 67 Brigadier

18. McAvity 67 Brigadier

Hydrant List:

No. 16 of 25		Location:		Highline Drive at Premise 5263		Shut Off Location:		Approximately 5' NE of Hydrant	
Visual Inspection		Visual Under Pressure		Inspection Under Bonnet		Correct Drainage/Vacuum			
Paint Required	<input type="checkbox"/>	Leaks	<input type="checkbox"/>	Damage	<input type="checkbox"/>	Unacceptable <input type="checkbox"/>			
Rusting	<input type="checkbox"/>	Ok	<input checked="" type="checkbox"/>	Rusting	<input type="checkbox"/>	Poor <input type="checkbox"/>			
Leaks	<input type="checkbox"/>	Lubricate Nozzle Caps		Leaks	<input type="checkbox"/>	Ok <input checked="" type="checkbox"/>			
Ok	<input checked="" type="checkbox"/>	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	Ok	<input checked="" type="checkbox"/>		
Static Pressure:		80	PSI	Inspect Packing/ Hold down Plate		Inspect Main Gate/Valve Seat			
Residual Pres w/2.5" F.O.:		60	PSI	Replace Packing	<input type="checkbox"/>	Gasket Torn <input type="checkbox"/>			
Pitot Pressure:		25	PSI	OK	<input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>			
Calculated Flow:		843	GPM			OK <input checked="" type="checkbox"/>			
No. 17 of 25		Location:		Snow Creek Lodge Entrance		Shut Off Location:		Approximately 4' NE of Hydrant	
Visual Inspection		Visual Under Pressure		Inspection Under Bonnet		Correct Drainage/Vacuum			
Paint Required	<input type="checkbox"/>	Leaks	<input type="checkbox"/>	Damage	<input type="checkbox"/>	Unacceptable <input type="checkbox"/>			
Rusting	<input type="checkbox"/>	Ok	<input checked="" type="checkbox"/>	Rusting	<input type="checkbox"/>	Poor <input type="checkbox"/>			
Leaks	<input type="checkbox"/>	Lubricate Nozzle Caps		Leaks	<input type="checkbox"/>	Ok <input checked="" type="checkbox"/>			
Ok	<input checked="" type="checkbox"/>	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	Ok	<input checked="" type="checkbox"/>		
Static Pressure:		80	PSI	Inspect Packing/ Hold down Plate		Inspect Main Gate/Valve Seat			
Residual Pres w/2.5" F.O.:		50	PSI	Replace Packing	<input type="checkbox"/>	Gasket Torn <input type="checkbox"/>			
Pitot Pressure:		30	PSI	OK	<input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>			
Calculated Flow:		924	GPM			OK <input checked="" type="checkbox"/>			
No. 18 of 25		Location:		5220 Highline Close		Shut Off Location:		Approximately 3' NE of Hydrant	
Visual Inspection		Visual Under Pressure		Inspection Under Bonnet		Correct Drainage/Vacuum			
Paint Required	<input checked="" type="checkbox"/>	Leaks	<input type="checkbox"/>	Damage	<input type="checkbox"/>	Unacceptable <input type="checkbox"/>			
Rusting	<input type="checkbox"/>	Ok	<input checked="" type="checkbox"/>	Rusting	<input type="checkbox"/>	Poor <input type="checkbox"/>			
Leaks	<input type="checkbox"/>	Lubricate Nozzle Caps		Leaks	<input type="checkbox"/>	Ok <input checked="" type="checkbox"/>			
Ok	<input checked="" type="checkbox"/>	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	Ok	<input checked="" type="checkbox"/>		
Static Pressure:		60	PSI	Inspect Packing/ Hold down Plate		Inspect Main Gate/Valve Seat			
Residual Pres w/2.5" F.O.:		50	PSI	Replace Packing	<input type="checkbox"/>	Gasket Torn <input type="checkbox"/>			
Pitot Pressure:		30	PSI	OK	<input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>			
Calculated Flow:		924	GPM			OK <input checked="" type="checkbox"/>			

REPAIRS (Replacing O-rings, Gaskets, Caps Missing, Valve Rubber, Internal Components):

NA

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)

The Fire Hydrants at this location have been inspected and were found to be in a suitable condition for regular service on June 27, 2022. Sprouse Fire and Safety Corp assumes no further liability



SPROUSE FIRE & SAFETY

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FIRE HYDRANT INSPECTION REPORT

DATE: 27-Jun-2022

CUSTOMER BUILDING ADDRESS: Fernie Alpine Resorts c/o Resorts of the Canadian Rockies

DESCRIPTION OF SYSTEM (No. of Hydrants, Manufacturer, Hydrant Type, Layout):

19. McAvity M67 Brigadier 20. McAvity M67 Brigadier

21. McAvity M67 Brigadier

Hydrant List:

No. 19 of 25		Location: Bears Paw Lodge 5383 Highline Drive		Shut Off Location: Approximately 4' West of Hydrant	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum		
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>		
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>		
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>		
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>			
Static Pressure: 75 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat			
Residual Pres w/2.5" F.O.: 50 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>			
Pitot Pressure: 20 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>			
Calculated Flow: 754 GPM		OK <input checked="" type="checkbox"/>			
No. 20 of 25		Location: 5375 Snow Pines Drive (Corner of Property).		Shut Off Location: Approximately 7' SW of Hydrant	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum		
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>		
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>		
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>		
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>			
Static Pressure: 80 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat			
Residual Pres w/2.5" F.O.: 50 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>			
Pitot Pressure: 25 PSI	OK <input type="checkbox"/>	Seat Scored <input type="checkbox"/>			
Calculated Flow: 843 GPM		OK <input type="checkbox"/>			
No. 21 of 25		Location: Timberline Crescent at Balsam Lodge		Shut Off Location: Approximately 4' East of Hydrant	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum		
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>		
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>		
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input type="checkbox"/>		
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>			
Static Pressure: 55 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat			
Residual Pres w/2.5" F.O.: 25 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>			
Pitot Pressure: 18 PSI	OK <input type="checkbox"/>	Seat Scored <input type="checkbox"/>			
Calculated Flow: 843 GPM		OK <input type="checkbox"/>			

REPAIRS (Replacing O-rings, Gaskets, Caps Missing, Valve Rubber, Internal Components):

NA

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)



SPROUSE FIRE & SAFETY

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Phone: (403) 265-3891 Fax: (403) 237-7861

FIRE HYDRANT INSPECTION REPORT

DATE: 27-Jun-2022

CUSTOMER BUILDING ADDRESS: Fernie Alpine Resorts c/o Resorts of the Canadian Rockies

DESCRIPTION OF SYSTEM (No. of Hydrants, Manufacturer, Hydrant Type, Layout):

22). McAvity M67 Brigadier (2017). 24). McAvity M67B (2017)

23). McAvity M67B (2000)

Hydrant List:

No. 22 of 25 Location: 4613 Alpine Way		Shut Off Location: Unknown	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	
Static Pressure: 90 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat	
Residual Pres w/2.5" F.O.: 70 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>	
Pitot Pressure: 30 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>	
Calculated Flow: 924 GPM		OK <input checked="" type="checkbox"/>	
No. 23 of 25 Location: Timber landing at Cul de Sac		Shut Off Location: Approximately 10' S of Hydrant	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	
Static Pressure: 70 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat	
Residual Pres w/2.5" F.O.: 40 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>	
Pitot Pressure: 18 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>	
Calculated Flow: 716 GPM		OK <input checked="" type="checkbox"/>	
No. 24 of 25 Location: 5420 Timber Landing		Shut Off Location: Approximately 10' S of Hydrant	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum
Paint Required <input type="checkbox"/>	Leaks <input type="checkbox"/>	Damage <input type="checkbox"/>	Unacceptable <input type="checkbox"/>
Rusting <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	Rusting <input type="checkbox"/>	Poor <input type="checkbox"/>
Leaks <input type="checkbox"/>	Lubricate Nozzle Caps	Leaks <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>
Ok <input checked="" type="checkbox"/>	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Ok <input checked="" type="checkbox"/>	
Static Pressure: 70 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat	
Residual Pres w/2.5" F.O.: 40 PSI	Replace Packing <input type="checkbox"/>	Gasket Torn <input type="checkbox"/>	
Pitot Pressure: 25 PSI	OK <input checked="" type="checkbox"/>	Seat Scored <input type="checkbox"/>	
Calculated Flow: 843 GPM		OK <input checked="" type="checkbox"/>	

REPAIRS (Replacing O-rings, Gaskets, Caps Missing, Valve Rubber, Internal Components):

NA

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)



CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

<p>Work Order : CG2215643</p> <p>Client : Fernie Alpine Resort Utilities Corporation</p> <p>Contact : Patrick Majer</p> <p>Address : 1505 - 17TH AVENUE SW Calgary AB Canada T2T 0E2</p> <p>Telephone : 403 254 7669</p> <p>Project : FARUC-</p> <p>PO : ----</p> <p>C-O-C number : ----</p> <p>Sampler : CH</p> <p>Site : ----</p> <p>Quote number : CG21-FARU100-0002</p> <p>No. of samples received : 2</p> <p>No. of samples analysed : 2</p>	<p>Page : 1 of 5</p> <p>Laboratory : Calgary - Environmental</p> <p>Account Manager : Patryk Wojciak</p> <p>Address : 2559 29th Street NE Calgary, Alberta Canada T1Y 7B5</p> <p>Telephone : +1 403 407 1800</p> <p>Date Samples Received : 10-Nov-2022 09:55</p> <p>Date Analysis Commenced : 10-Nov-2022</p> <p>Issue Date : 18-Nov-2022 16:13</p>
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This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Guideline Comparison

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Anthony Calero	Supervisor - Inorganic	Inorganics, Calgary, Alberta
Anthony Calero	Supervisor - Inorganic	Metals, Calgary, Alberta
Elke Tabora		Inorganics, Calgary, Alberta
Greg Pokocky	Supervisor - Inorganic	Inorganics, Waterloo, Ontario
Harpreet Chawla	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Jeanie Mark	Laboratory Analyst	Organics, Calgary, Alberta
Kevin Baxter	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Kevin Baxter	Team Leader - Inorganics	Metals, Calgary, Alberta
Miles Gropen	Department Manager - Inorganics	Inorganics, Burnaby, British Columbia
Parker Sgarbossa	Laboratory Analyst	Inorganics, Calgary, Alberta
Ruifang Zheng	Analyst	Inorganics, Calgary, Alberta
Sanja Risticcevic	Department Manager - LCMS	LCMS, Waterloo, Ontario
Sunil Palak		Microbiology, Calgary, Alberta

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Key : LOR: Limit of Reporting (detection limit).

<i>Unit</i>	<i>Description</i>
-	no unit
% T/cm	% transmittance per centimetre
°C	degrees celsius
µg/L	micrograms per litre
AU/cm	absorbance unit per cm
CU	colour units (1 cu = 1 mg/l pt)
mg/L	milligrams per litre
MPN/100mL	most probable number per 100 ml
NTU	nephelometric turbidity units

>: greater than.

<: less than.

Red shading is applied where the result is greater than the Guideline Upper Limit or the result is lower than the Guideline Lower Limit.

For drinking water samples, Red shading is applied where the result for E.coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit .



Analytical Results

				Client sample ID							
				Sub-Matrix: Water (Matrix: Water)	Sampling date/time						
Analyte	Method	LOR	Unit	CG2215643-001	CDWG AO/OG	CDWG MAC					
Physical Tests											
absorbance, UV (@ 254nm)	E404	0.0050	AU/cm	0.0090	--	--	--	--	--	--	
colour, true	E329	5.0	CU	<5.0	15 CU	--	--	--	--	--	
hardness (as CaCO3), from total Ca/Mg	EC100A	0.50	mg/L	247	--	--	--	--	--	--	
Langelier index (@ 4°C)	EC105A	0.010	-	0.686	--	--	--	--	--	--	
solids, total dissolved [TDS]	E162	10	mg/L	269	500 mg/L	--	--	--	--	--	
temperature, sample	E218	0.10	°C	31.8	--	--	--	--	--	--	
turbidity	E121	0.10	NTU	0.11	1 NTU	--	--	--	--	--	
transmittance, UV (@ 254nm)	E404	1.0	% T/cm	97.9	--	--	--	--	--	--	
Anions and Nutrients											
ammonia, total (as N)	E298	0.0050	mg/L	<0.0050	--	--	--	--	--	--	
chloride	E235.Cl-L	0.10	mg/L	21.3	250 mg/L	--	--	--	--	--	
nitrite (as N)	E235.NO2-L	0.0010	mg/L	<0.0010	--	1 mg/L	--	--	--	--	
nitrogen, total organic	EC363	0.050	mg/L	<0.056	--	--	--	--	--	--	
phosphorus, total	E372-U	0.0020	mg/L	0.0050	--	--	--	--	--	--	
sulfate (as SO4)	E235.SO4-L	0.050	mg/L	14.1	--	--	--	--	--	--	
nitrate (as N)	E235.NO3-L	0.0050	mg/L	0.168	--	10 mg/L	--	--	--	--	
Kjeldahl nitrogen, total [TKN]	E318	0.050	mg/L	<0.050	--	--	--	--	--	--	
nitrogen, total	EC368	0.050	mg/L	0.168	--	--	--	--	--	--	
Organic / Inorganic Carbon											
carbon, total organic [TOC]	E355-L	0.50	mg/L	<0.50	--	--	--	--	--	--	
Microbiological Tests											
coliforms, total	E010	1	MPN/100mL	<1	--	1 MPN/100mL	--	--	--	--	
heterotrophic plate count [HPC]	E010.HPC	1	MPN/100mL	32	--	--	--	--	--	--	
coliforms, Escherichia coli [E. coli]	E010	1	MPN/100mL	<1	--	1 MPN/100mL	--	--	--	--	
Total Metals											
aluminum, total	E420	0.0030	mg/L	0.0051	0.1 mg/L	2.9 mg/L	--	--	--	--	
antimony, total	E420	0.00010	mg/L	<0.00010	--	0.006 mg/L	--	--	--	--	
arsenic, total	E420	0.00010	mg/L	0.00014	--	0.01 mg/L	--	--	--	--	
barium, total	E420	0.00010	mg/L	0.120	--	2 mg/L	--	--	--	--	



Analytical Results

Analyte	Method	LOR	Unit	Client sample ID	CDWG	MAC					
				TAMARAK BUILDING							
Sub-Matrix: Water (Matrix: Water)				Sampling date/time							
				09-Nov-2022 11:30							
				CG2215643-002							
Cyanides											
cyanide, strong acid dissociable (total)	E333	0.0020	mg/L	<0.0020	--	--	--	--	--	--	
Volatile Organic Compounds [THMs]											
bromodichloromethane	E611B	1.0	µg/L	2.7	--	--	--	--	--	--	
bromoform	E611B	1.0	µg/L	<1.0	--	--	--	--	--	--	
chloroform	E611B	1.0	µg/L	2.6	--	--	--	--	--	--	
dibromochloromethane	E611B	1.0	µg/L	3.7	--	--	--	--	--	--	
trihalomethanes [THMs], total	E611B	2.0	µg/L	9.0	100 µg/L	--	--	--	--	--	
bromofluorobenzene, 4-	E611B	1.0	%	83.1	--	--	--	--	--	--	
difluorobenzene, 1,4-	E611B	1.0	%	104	--	--	--	--	--	--	
Haloacetic Acids											
bromochloroacetic acid	E750	1.00	µg/L	1.35	--	--	--	--	--	--	
dibromoacetic acid	E750	1.00	µg/L	1.16	--	--	--	--	--	--	
dichloroacetic acid	E750	1.00	µg/L	1.26	--	--	--	--	--	--	
monobromoacetic acid	E750	1.00	µg/L	<1.00	--	--	--	--	--	--	
monochloroacetic acid	E750	1.00	µg/L	<1.00	--	--	--	--	--	--	
trichloroacetic acid	E750	1.00	µg/L	<1.00	--	--	--	--	--	--	
haloacetic acids, total [HAA5]	E750	5.00	µg/L	<5.00	80 µg/L	--	--	--	--	--	

Please refer to the General Comments section for an explanation of any qualifiers detected.

No Breaches Found

Key:

CDWG Canada Guidelines for Canadian Drinking Water Quality (JUN, 2022)
 MAC Maximum Acceptable Concentrations