

Fernie Alpine Resort Utility Corporation

Potable Water System Operational Summary 2024

Potable Water System Operations Summary

The potable water system continues to operate well, meeting all Canadian Drinking Water Standards. In 2024 there were no advisories or warnings issued.

The 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 Fall 2025. 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.

2024 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 2024 remains \$53.00/BU, with \$21.00/BU being deposited into the Water Replacement Trust Fund. Funds in the trust can only be released with the Comptroller's approval.

2024 Facility Classification & Emergency contact

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

FARUC currently employs one full-time manager and two 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.

2024 Potable Water System Improvements

Work was completed on the assessment and pump testing of well # 2. Well two was treated and flushed and yielded a higher production rate than in the previous pump test. A third well was also drilled but is not connected or approved for use in the system. Water quality results are attached for information only.

Well 1 will be rehabilitated in the fall of 2025 with the commissioning of the new water system. Samples will be collected from the well and sent for full analysis, results to be posted in the 2025 summary.

2024 Fire Hydrant Testing

Attached are the results of the annual fire hydrant testing.

2024 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 2023.

Potable Water Quality – Well #1

Next test to be completed in October 2025. All samples are of raw water prior to treatment.

Potable Water Quality – Well #2

Well # 2 is ready for connection, results of the last water analysis are attached for information.

Fernie Alpine Resort Water Distribution 2024 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				
	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	T. Coliform	E. Coli	
Jan	0.98	1.02	0.98	1.00	0.95	0.96	0.96	0.95	0.92	0.93	0.99	1.00	1.01	0.96	0.93	0.95	0.93	0.95	0.96	0.95	395	372	12256	0.283	0.130	0.176	0.170	>1	>1	
Feb	1.17	1.22	0.93	0.94	0.82	0.82	0.80	0.72	0.76	0.75	0.94	0.86	0.84	0.85	0.82	0.86	0.84	0.87	0.77	0.74	384	398	11134	0.226	0.134	0.154	0.130	>1	ok	
Mar	1.27	0.84	0.95	0.93	1.12	1.00	0.90	0.87	0.88	0.87	0.90	0.95	0.83	0.84	0.89	0.87	0.94	0.91	0.95	0.94	405	434	12563	0.243	0.137	0.140	0.129	>1	>1	
Apr	0.90	0.77	0.94	0.99	1.01	1.00	0.96	0.94	0.93	0.89	0.83	0.88	0.83	0.85	0.93	0.89	0.85	0.86	0.89	0.87	297	351	8904	0.493	0.356	0.137	0.134	>1	>1	
May	1.04	1.03	1.03	1.01	0.98	0.91	1.00	0.93	0.95	0.93	0.87	0.85	0.88	0.88	0.87	0.88	0.91	0.90	1.02	0.96	320	293	9931	0.152	0.122	0.111	0.106	>1	>1	
June	0.99	0.96	0.94	0.93	1.03	0.98	0.86	0.87	0.90	0.87	0.76	0.84	0.85	0.85	0.84	0.83	0.92	0.87	0.86	0.86	355	354	10664	0.346	0.108	0.153	0.122	>1	>1	
July	1.18	1.08	0.93	0.92	1.09	0.92	0.87	0.86	0.85	0.84	0.92	0.91	0.83	0.83	0.87	0.88	0.88	0.89	0.87	0.88	518	494	16070	0.088	0.087	0.111	0.118	>1	>1	
Aug	2.97	1.84	1.05	1.07	1.06	0.96	0.87	0.84	0.85	0.83	0.91	0.89	0.87	0.89	0.93	0.90	0.89	0.91	0.85	0.87	509	510	15779	0.080	0.079	0.126	0.116			
Sept	1.60	1.31	1.04	1.04	0.88	0.85	0.85	0.85	0.90	0.88	0.92	0.93	0.90	0.89	0.88	0.91	0.94	0.95	0.85	0.84	359	342	10783	N/A	N/A	0.158	0.160	>1	>1	
Oct	1.92	1.36	1.02	1.02	1.13	1.04	0.86	0.84	0.83	0.84	0.94	0.84	0.91	0.92	0.90	0.89	0.88	0.90	0.94	0.91	295	303	9147	0.124	0.086	0.144	0.174	>1	>1	
Nov	0.86	0.86	1.01	1.00	1.05	0.92	0.91	0.91	0.87	0.86	0.94	0.94			0.86	0.86	0.89	0.88	0.97	0.97	283	308	8479	2.833	0.228	1.278	0.164	>1	>1	
Dec	0.99	0.95	1.07	1.06	1.07	1.01	1.03	1.01	0.96	0.96	1.03	0.96			0.98	0.98	0.99	0.95	1.04	1.00	406	373	12599	0.304	0.191	0.126	0.106	>1	>1	
Annual	1.32	1.03	0.99	1.00	1.02	0.96	0.91	0.87	0.88	0.87	0.91	0.90	0.87	0.87	0.89	0.88	0.90	0.90	0.91	0.90	377	363	138309	0.470	0.130	0.234	0.130	no	no	

TABLE 1: Summary of Analytical Results for Groundwater

Sample Location		TW3	Well No. 2	Federal Guideline
Sample ID		TW3-230608	WELL 2-230607	Canadian Drinking Water Quality Guidelines (CDWQG) ^a
Sample Date (yyyy mm dd)		2023 06 08	2023 06 07	
Parameter	Units	Analytical Results		
Physical Parameters				
pH	pH	8.24	8.04	(7.0 - 10.5) ^b
UV Absorbance 254nm	AU/cm	0.0060	0.0080	n/a
Total Hardness	mg/L	221	237	n/a
Colour	CU	< 5.0	< 5.0	15 (AO)
Turbidity	NTU	0.13	0.72	1 ^c
Conductivity	µS/cm	368	454	n/a
Total Dissolved Solids	mg/L	193	257	500 (AO)
Transmittance (254nm)	% T	98.6	98.2	n/a
Saturation pH (@ 4C)	pH	7.56	7.54	n/a
Langelier Index (@ 4C)	None	0.678	0.501	n/a
Dissolved Inorganics				
Total Alkalinity	mg/L	209	223	n/a
Ammonia Nitrogen	mg/L	0.0252	< 0.0050	n/a
Nitrate Nitrogen	mg/L	0.0261	0.0652	10 (MAC)
Nitrite Nitrogen	mg/L	< 0.0010	0.0010	1 (MAC)
Chloride	mg/L	13.7	26.9	250 (AO)
Fluoride	mg/L	0.238	0.190	1.5 (MAC)
Sulfate	mg/L	7.12	8.00	500 (AO)
Cyanide	mg/L	< 0.0050	< 0.0050	0.2 (MAC)
Hydrogen Sulfide	mg/L	< 0.0016	< 0.0016	-
Sulfide	mg/L	< 0.0015	< 0.0015	0.05 (AO)
Total Phosphorous as P	mg/L	0.0050	0.0074	n/a
Total Organic Carbon	mg/L	< 0.50	< 0.50	n/a
Total Organic Nitrogen	mg/L	< 0.056	< 0.056	n/a
Total Kjeldahl Nitrogen (TKN)	mg/L	< 0.050	< 0.050	n/a

Associated ALS file(s): CG2307475, CG2307536.

All terms defined within the body of SNC-Lavalin's report.

< Denotes concentration less than indicated detection limit.

- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

BOLD

Concentration greater than Canadian Drinking Water Quality Guidelines (CDWQG) Guideline

^a Pathways Included: Aesthetic Objectives (AO), Maximum Acceptable Concentrations (MAC), Operational Guidance Values (OG).

^b Guideline is treatment related.

^c Guideline is recommendation for groundwater entering distribution system.

^d Guideline is for operational guidance value.

TABLE 1: Summary of Analytical Results for Groundwater - Dissolved Inorganics and Metals

Sample Location		TW3	Well No. 2	Federal Guideline
Sample ID		TW3-230608	WELL 2-230607	Canadian Drinking Water Quality Guidelines (CDWQG) ^a
Sample Date (yyyy mm dd)		2023 06 08	2023 06 07	
Parameter	Units	Analytical Results		
Total Metals				
Aluminum	mg/L	< 0.0100	0.0240	0.1 ^d
Antimony	mg/L	< 0.00050	< 0.00050	0.006 (MAC)
Arsenic	mg/L	0.00013	0.00013	0.01 (MAC)
Barium	mg/L	0.108	0.110	2.0 (MAC)
Boron	mg/L	< 0.100	< 0.100	5 (MAC)
Cadmium	mg/L	< 0.000200	< 0.000200	0.007 (MAC)
Calcium	mg/L	63.3	68.3	n/a
Chromium	mg/L	< 0.00200	< 0.00200	0.05 (MAC)
Copper	mg/L	< 0.00100	0.0176	1 (AO) 2 (MAC)
Iron	mg/L	< 0.030	< 0.030	0.3 (AO)
Lead	mg/L	< 0.000500	0.000915	0.005 (MAC)
Magnesium	mg/L	15.4	16.2	n/a
Manganese	mg/L	<u>0.300</u>	<u>0.140</u>	0.02 (AO), 0.12 (MAC)
Mercury	mg/L	0.0000066	< 0.0000050	0.001 (MAC)
Potassium	mg/L	0.562	0.633	n/a
Selenium	mg/L	< 0.00100	< 0.00100	0.05 (MAC)
Sodium	mg/L	7.78	12.5	200 (AO)
Uranium	mg/L	0.000822	0.000650	0.02 (MAC)
Zinc	mg/L	< 0.0500	< 0.0500	5 (AO)
Dissolved Metals				
Dissolved Calcium	mg/L	57.3	59.4	n/a
Dissolved Magnesium	mg/L	13.8	14.1	n/a
Dissolved Potassium	mg/L	0.518	0.573	n/a
Dissolved Sodium	mg/L	6.72	11.5	200 (AO)
Microbiological Tests				
Total Coliforms	MPN/100 mL	< 1	< 1	1
E. Coli	MPN/100 mL	< 1	< 1	1
Heterotrophic Plate Count	MPN/100 mL	41	4	

Associated ALS file(s): CG2307475, CG2307536.

All terms defined within the body of SNC-Lavalin's report.

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- Denotes analysis not conducted.

n/a Denotes no applicable standard/guideline.

BOLD

Concentration greater than Canadian Drinking Water Quality Guidelines (CDWQG) Guideline

^a Pathways Included: Aesthetic Objectives (AO), Maximum Acceptable Concentrations (MAC), Operational Guidance Values (OG).

^b Guideline is treatment related.

^c Guideline is recommendation for groundwater entering distribution system.

^d Guideline is for operational guidance value.



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: 26-Jun-2024

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 27 Location: At the Main Ticket Kiosk Center Court		Shut Off Location: Approximately 3' behind Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 90 PSI	Residual Pres w/2.5" F.O.: 85 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒
Pitot Pressure: 46 PSI	Calculated Flow: 1144 GPM		
No. 2 of 27 Location: At the Griz Inn Entrance		Shut Off Location: Unknown	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☐ NO ☒	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 105 PSI	Residual Pres w/2.5" F.O.: 95 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒
Pitot Pressure: 50 PSI	Calculated Flow: 1193 GPM		
No. 3 of 27 Location: At the Entrance to parking lot of Fernie Lodging Co.		Shut Off Location: Approximately 3' West of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 60 PSI	Residual Pres w/2.5" F.O.: 45 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒
Pitot Pressure: 51 PSI	Calculated Flow: 1205 GPM		

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

N/A

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 26, 2024. Sprouse Fire and Safety Corp assumes no further liability.



SPROUSE FIRE & SAFETY

Unit #38, 5329 – 72 Ave. SE, Calgary, Alberta T2C 3C4
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FIRE HYDRANT INSPECTION REPORT

DATE: 26-Jun-2024

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 27 Location: Timberline Crescent (beside premise #4553)		Shut Off Location: Approximately 3' South of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 65 PSI	Residual Pres w/2.5" F.O.: 45 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒
Pitot Pressure: 38 PSI	Calculated Flow: 1040 GPM		
No. 5 of 27 Location: Corner of Timberline Crescent (Premise 4477).		Shut Off Location: Approximately 3' South of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 100 PSI	Residual Pres w/2.5" F.O.: 60 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒
Pitot Pressure: 50 PSI	Calculated Flow: 1193 GPM		
No. 6 of 27 Location: Timberline Crescent (beside premise 4427)		Shut Off Location: Approximately 16" NE of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 100 PSI	Residual Pres w/2.5" F.O.: 70 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒
Pitot Pressure: 53 PSI	Calculated Flow: 1228 GPM		

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

N/A

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 26, 2024. Sprouse Fire and Safety Corp assumes no further liability.



SPROUSE FIRE & SAFETY

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

FIRE HYDRANT INSPECTION REPORT

DATE: 26-Jun-2024

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 27 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 ☐	Leaks ☐	Damage ☐	Unacceptable ☐		
Rusting ☐	Ok ☒	Rusting ☐	Poor ☐		
Leaks ☐	Lubricate Nozzle Caps	Leaks ☐	Ok ☒		
Ok ☒	YES ☒ NO ☐	Ok ☒			
Static Pressure: 90 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat			
Residual Pres w/2.5" F.O.: 75 PSI	Replace Packing ☐	Gasket Torn ☐			
Pitot Pressure: 45 PSI	OK ☒	Seat Scored ☐			
Calculated Flow: 1131 GPM		OK ☒			
No. 8 of 27 Location:		At Entrance to Maintenance Shop		Shut Off Location: Unknown	
Visual Inspection	Visual Under Pressure	Inspection Under Bonnet	Correct Drainage/Vacuum		
Paint Required ☐	Leaks ☐	Damage ☐	Unacceptable ☐		
Rusting ☐	Ok ☒	Rusting ☐	Poor ☐		
Leaks ☐	Lubricate Nozzle Caps	Leaks ☐	Ok ☒		
Ok ☒	YES ☒ NO ☐	Ok ☒			
Static Pressure: 60 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat			
Residual Pres w/2.5" F.O.: 55 PSI	Replace Packing ☐	Gasket Torn ☐			
Pitot Pressure: 40 PSI	OK ☒	Seat Scored ☐			
Calculated Flow: 1067 GPM		OK ☒			
No. 9 of 27 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 ☐	Leaks ☐	Damage ☐	Unacceptable ☐		
Rusting ☐	Ok ☒	Rusting ☐	Poor ☐		
Leaks ☐	Lubricate Nozzle Caps	Leaks ☐	Ok ☒		
Ok ☒	YES ☒ NO ☐	Ok ☒			
Static Pressure: 60 PSI	Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat			
Residual Pres w/2.5" F.O.: 45 PSI	Replace Packing ☐	Gasket Torn ☐			
Pitot Pressure: 29 PSI	OK ☒	Seat Scored ☐			
Calculated Flow: 908 GPM		OK ☒			

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

N/A

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 26, 2024. Sprouse Fire and Safety Corp assumes no further liability.



SPROUSE FIRE & SAFETY

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

FIRE HYDRANT INSPECTION REPORT

DATE: 26-Jun-2024

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

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

10. McAvity 67 Brigadier (1998). 11. McAvity 67 Brigadier (1995)

12. McAvity 67 Brigadier (1999)

Hydrant List:

No. 10 of 27 Location: Right side of Cul De Sac (at Fire Lane).		Shut Off Location: Approximately 2' N of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 80 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.: 50 PSI			
Pitot Pressure: 24 PSI			
Calculated Flow: 826 GPM			
No. 11 of 27 Location: Highline Drive at premise 5400		Shut Off Location: Approximately 4' NW of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 110 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.: 100 PSI			
Pitot Pressure: 33 PSI			
Calculated Flow: 969 GPM			
No. 12 of 27 Location: Stone Creek Chalets 5423		Shut Off Location: Approximately 3' N of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 110 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.: 85 PSI			
Pitot Pressure: 29 PSI			
Calculated Flow: 908 GPM			

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

NA

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)

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FIRE HYDRANT INSPECTION REPORT

DATE: 27-Jun-2024

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 27		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 ☐	Leaks ☐	Damage ☐	Unacceptable ☐		
Rusting ☐	Ok ☒	Rusting ☐	Poor ☐		
Leaks ☐	Lubricate Nozzle Caps	Leaks ☐	Ok ☒		
Ok ☒	YES ☒ NO ☐	Ok ☒			
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 ☐	Gasket Torn ☐		
Pitot Pressure: 40 PSI		OK ☒	Seat Scored ☐		
Calculated Flow: 1067 GPM			OK ☒		
No. 14 of 27		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 ☐	Leaks ☐	Damage ☐	Unacceptable ☐		
Rusting ☐	Ok ☒	Rusting ☐	Poor ☐		
Leaks ☒	Lubricate Nozzle Caps	Leaks ☐	Ok ☒		
Ok ☐	YES ☒ NO ☐	Ok ☒			
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 ☐	Gasket Torn ☐		
Pitot Pressure: 42 PSI		OK ☒	Seat Scored ☐		
Calculated Flow: 1093 GPM			OK ☒		
No. 15 of 27		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 ☐	Leaks ☐	Damage ☐	Unacceptable ☐		
Rusting ☐	Ok ☒	Rusting ☐	Poor ☐		
Leaks ☐	Lubricate Nozzle Caps	Leaks ☐	Ok ☒		
Ok ☒	YES ☒ NO ☐	Ok ☒			
Static Pressure: 75 PSI		Inspect Packing/ Hold down Plate	Inspect Main Gate/Valve Seat		
Residual Pres w/2.5" F.O.: 65 PSI		Replace Packing ☐	Gasket Torn ☐		
Pitot Pressure: 48 PSI		OK ☒	Seat Scored ☐		
Calculated Flow: 1169 GPM			OK ☒		

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, 2024. 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-2024

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 27 Location: Highline Drive at Premise 5263		Shut Off Location: Approximately 5' NE of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 78 PSI	Residual Pres w/2.5" F.O.: 68 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒
Pitot Pressure: 26 PSI	Calculated Flow: 860 GPM		
No. 17 of 27 Location: Snow Creek Lodge Entrance		Shut Off Location: Approximately 4' NE of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 80 PSI	Residual Pres w/2.5" F.O.: 70 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒
Pitot Pressure: 44 PSI	Calculated Flow: 1119 GPM		
No. 18 of 27 Location: 5220 Highline Close		Shut Off Location: Approximately 3' NE of Hydrant	
Visual Inspection Paint Required ☒ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 50 PSI	Residual Pres w/2.5" F.O.: 45 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒
Pitot Pressure: 25 PSI	Calculated Flow: 843 GPM		

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, 2024. Sprouse Fire and Safety Corp assumes no further liability



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FIRE HYDRANT INSPECTION REPORT

DATE: 27-Jun-2024

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 1999

21. McAvity M67 Brigadier

Hydrant List:

No. 19 of 27 Location: Bears Paw Lodge 5383 Highline Drive		Shut Off Location: Approximately 4' West of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 70 PSI	Residual Pres w/2.5" F.O.: 60 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒
Pitot Pressure: 30 PSI	Calculated Flow: 924 GPM		
No. 20 of 27 Location: 5375 Snow Pines Drive (Corner of Property).		Shut Off Location: Approximately 7' SW of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 80 PSI	Residual Pres w/2.5" F.O.: 55 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☐	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☐
Pitot Pressure: 40 PSI	Calculated Flow: 1067 GPM		
No. 21 of 27 Location: Timberline Crescent at Balsam Lodge		Shut Off Location: Approximately 4' East of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☐
Static Pressure: 70 PSI	Residual Pres w/2.5" F.O.: 50 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☐	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☐
Pitot Pressure: 28 PSI	Calculated Flow: 893 GPM		

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, 2024. Sprouse Fire and Safety Corp assumes no further liability.



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FIRE HYDRANT INSPECTION REPORT

DATE: 27-Jun-2024

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 27 Location: Corner of ski hill road and resort drive		Shut Off Location: Unknown	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 85 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.: 30 PSI			
Pitot Pressure: 23 PSI			
Calculated Flow: 809 GPM			
No. 23 of 27 Location: Timber landing at Cul de Sac		Shut Off Location: Approximately 10' S of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 45 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.: 40 PSI			
Pitot Pressure: 42 PSI			
Calculated Flow: 1093 GPM			
No. 24 of 27 Location: 5420 Timber Landing		Shut Off Location: Approximately 10' S of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 50 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.: 45 PSI			
Pitot Pressure: 50 PSI			
Calculated Flow: 1193 GPM			

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, 2024. Sprouse Fire and Safety Corp assumes no further liability.



SPROUSE FIRE & SAFETY

Unit #38, 5329 – 72 Ave. SE, Calgary, Alberta T2C 3C4
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FIRE HYDRANT INSPECTION REPORT

DATE: 28-Jun-2024

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 27 Location: Entrance to Timber Land Estates		Shut Off Location: Approximately 10' S of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 100 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.: 70 PSI			
Pitot Pressure: 50 PSI			
Calculated Flow: 1193 GPM			
No. 26 of 27 Location: Right of the Elk river homes sign		Shut Off Location: 20' North of hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☒ Ok ☐ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 98 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.: 65 PSI			
Pitot Pressure: 48 PSI			
Calculated Flow: 1169 GPM			
No. 27 of 27 Location: Elk river lot 37		Shut Off Location: 15' NW of hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☐	Visual Under Pressure Leaks ☒ Ok ☐ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 85 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.: 60 PSI			
Pitot Pressure: 50 PSI			
Calculated Flow: 1193 GPM			

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

N/A

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)

These Fire Hydrants are in a suitable condition for regular service as tested on June 28, 2024.

Sprouse Fire and Safety Corp assumes no further liability.