



AWWQA

CELEBRATING OPERATORS

50th Annual Operators Seminar

March 10 - 14, 2025

Banff Park Lodge, BANFF

ALBERTA WATER & WASTEWATER OPERATORS ASSOCIATION

2024 - 2025 EXECUTIVE

Chris Huston, Chair

City of Lacombe

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Bert J. Miller

City of Red Deer

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Strathcona County

Dennis Tomuschat

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Megan Sauve

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Population Rep. 5,000-25,000

Peter Crane

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Robert Alcorn

Town of Carstairs

Shannon Gladue

Kehewin Cree Nation

Wade Bell

H2O Innovation

AWWOA STAFF

Dan Rites, Executive Director

Kirstin Mihaychuk, Program Manager

Jenna Horning, Membership Services

MONDAY - March 10, 2025

Pre-Seminar Workshops (PRE-REGISTRATION REQUIRED)

Banff Centre (Kinnear Building), 107 Tunnel Mountain Drive

Workshop #1 - 8:30 am – 12:00 pm (0.3 CEUs)

Water Closet to Water Body: A Guide to Upgrading Aging Wastewater Facilities

This workshop will examine the wastewater treatment process for both mechanical wastewater facilities and lagoons.

Presenters: Sarah Bruce, Rudy Chan, Daniel du Toit, & Kia Barrow, Associated Engineering

Workshop #2 - 8:30 am – 12:00 pm (0.3 CEUs)

Reservoir Construction – From Concept to Commissioning

This workshop will provide water utility operators and managers with essential 'need-to-knows' when planning for and undertaking replacement or construction of a new water reservoir and pumping station.

Presenters: Brian Brost, City of St. Albert, Jason Kopan, ISL Engineering and Land Services & Ryan Maloney, Sure-Form Contracting

12:00 - 7:00 pm - Seminar Registration – BPL Hotel Lobby

Delegate Bag Sponsor - Taber Solids Control

Event Lanyard Sponsor – ISL Engineering and Land Services

Workshop #3 - 1:00 pm – 4:30 pm (0.3 CEUs)

Optimizing Wastewater Biology with Bioaugmentation: The Truth about Bacterial and Enzyme Supplements

This workshop will provide wastewater operators with a thorough understanding of bioaugmentation, focusing on the application and impact of bacterial and enzyme supplements.

Presenter: Raymond Menard, ACC Water Solutions

Workshop #4 - 1:00 pm – 4:30 pm (0.3 CEUs)

Goldfish Invasion: Round 2 Knock-Out Punch

In a follow up to their presentation last year, this workshop will share how they were able to extend their efforts; increase public awareness and win the battle against the goldfish invasion.

Presenters: Monique Johnson & Logan Gebbink, The Town of Sylvan Lake

3:00 - 8:00 pm

Trade Show Displays - Open for Viewing

Silent Auction - Pine Room

4:00 - 8:00 pm

Trade Show Reception

(Drink ticket redemption continues until 9:00pm at lobby bar only)

TUESDAY - March 11, 2025

8:00 - 3:00 pm – Seminar Registration – BPL Hotel Lobby

Delegate Bag Sponsor - *Taber Solids Control*

Event Lanyard Sponsor – *ISL Engineering and Land Services*

Pre-Seminar Workshops (PRE-REGISTRATION REQUIRED)

Banff Centre (Kinnear Building), 107 Tunnel Mountain Drive

Workshop #5 – 8:30 am – 12:00 pm (0.3 CEUs)

Embedded Acoustic Leak Detection - Resolving Water Loss & Preventing Main Breaks

This workshop will highlight success stories from real-world utilities that have embraced integrated Acoustic Leak Detection (ALD) technology to monitor and gain actionable insights and strategies to adopt these innovative solutions.

Presenters: Oleks Rudkovskyi & Keesha Dorosz, Kamstrup Water Metering

Workshop #6 – 8:30 am – 12:00 pm (0.3 CEUs)

Asset Management for Water and Wastewater Infrastructure

This workshop will discuss Asset Management concepts for water infrastructure and practical and cost-effective techniques for gathering required field data. Operators can then use this data to more effectively run their systems, as well as implement strategies to extend asset life and functionality.

Presenters: David Speed and Nelson Marsh, BioMaxx Environmental

10:00 - 3:00 pm Trade Show Displays - Open for Viewing

10:00 - 4:00 pm Silent Auction - Pine Room

12:00 - 1:30 pm Delegate Lunch - In Display Area
Sponsored by Aquatech Diving & Marine Services Ltd, Capital H2O Systems Inc, IVIS Construction Inc and Nexom/Napier-Reid

4:15 -5:00 pm Silent Auction Item Pickup - Pine Room

5:30 – 7:00 pm WOMEN OF WATER (WOW) NETWORKING EVENT for women in the industry - Hosted by AWWOA
Elk & Oarsman Pub, 119 Banff Avenue

7:00 - 11:00 pm PUB NIGHT NETWORKING EVENT - Sponsored by ACC Water Solutions & Klearwater Equipment & Technologies
Elk & Oarsman Pub, 119 Banff Avenue

NOTES:

WEDNESDAY - March 12, 2025

8:30 - Noon **REGISTRATION** – BPL Hotel Lobby

9:00 – 9:40 am **Official Opening** – Main Ballroom
Chris Huston, AWWOA Chair

Greetings from Western Canada Water
Grant Dixon, WCW President

AWWOA Awards Presentations

- The Gerald Samuel, Operator of the Year Award
- The Ron Bayne, Service Award
- The Steve Blonsky, Life Member Award
- AWWOA – NAIT Achievement Awards

9:40 – 10:00 am **Past Chair Presentation**
Join us as we acknowledge our Executive Board Past Chairs from the last 50 years.

10:00 – 10:30 am **Alberta Environment and Protected Areas**
Updates from AEPA

10:30- 10:45 am **COFFEE - Alpine Meadows**

10:45 - 11:00 am **The Water School**
Dave Ericson

11:00 - 12:00pm **Keynote Speaker**
Rick Mercer

Please note entry to the ballroom will be limited once keynote presentation starts.

12:00 - 1:30 pm **LUNCH**

1:30 - 2:15 pm **PRESENTATIONS:**

SESSION A **Waste Gas Burner Upgrades at all 3 Wastewater Plants for the City of Calgary**
Sean Killoran & Josh Sonnenberg,
The City of Calgary

SESSION B **Supporting Alberta Drinking Water Systems in Wildfire-Impacted Watersheds**
Jesse Skwaruk & Aaron Janzen,
Government of Alberta

SESSION C **Town of 2,500 saving \$700,000 per Year Through Infrastructure Maintenance**
Shane Vollett, Town of Sundre &
Reilly Roberts, McElhanney

SESSION D **Dude, Where's My Stormwater Pond?**
Andrew Ambrocichuk, Hydrasurvey Ltd

WEDNESDAY - March 12, 2025

2:15 – 2:45 pm PRESENTATIONS:

SESSION A **Optimizing Clarifier Drives: Inspection, Maintenance, and Rebuilding**
Eric Anderson, Sentry Rebuild-it & Francois DuBois, Benchmark Instrumentation & Analytical Services Inc

SESSION B **Don't Go Dry: Water Well Operations and Maintenance**
Soren Poschmann & Fergus Campbell, ISL Engineering and Land Services

SESSION C **What Do You Need in a Lift Station Control Panel?**
Abram McAlear, TDH Fluid Systems Inc

SESSION D **Water's Role in Uniting Operators, Communities, and Futures: A Global Perspective**
Mike Hewitt, Regional Municipality of Wood Buffalo & Asmahan Rabo, Needs4Water

2:45 – 3:00 pm COFFEE – Alpine Meadows

3:00 – 3:30 pm

SESSION A **Standard Operational Procedures for Lagoon Facilities**
Niema Afroze, WSP

SESSION B **Treatment Options for Meeting Health Canada's Fluoride MAC's in Groundwater**
Alex Simon, Government of Alberta & Jonathan Shandro, Foothills County

SESSION C **Valves Don't Age Like Wine: Managing an Aging Control Valve System**
Steve Causseaux, Cla-Val

SESSION D **Pipe Types and Sizes Information - Understanding Iron Pipe Size vs Copper Tube Size; & Standard Dimension Ratios**
George Grosariu, Rocky View Water Co-op

3:45 - 4:45 pm **AWWOA ANNUAL GENERAL MEETING**
Summit Room
Executive Election Results
AWWOA - Three Door Prize Draws
Find the Hydrant – Two Draw Prizes

7:30 - 10:30 pm **CASINO NIGHT NETWORKING EVENT**
Sponsored by Wolseley Waterworks with co-sponsors TBD

Ballroom, Upper Level, Banff Park Lodge
Games & Prizes – Name Tag Required

THURSDAY - March 13, 2025

8:30 - 10:15 am **Registration** – Hotel Lobby

9:00 - 9:30 am **PRESENTATIONS:**

SESSION A **Implementation of Total Phosphorus Reduction in WWTP Effluent at 4 Wing Canadian Forces Base Cold Lake**
Adam Dul, 4 Wing Canadian Forces Base Cold Lake; Department of National Defence

SESSION B **Bow Island WTP Rockwell SLC 5/05 Migration Case Study**
Nick Sawatzky, MPE a division of Englobe

SESSION C **A Chemical Perspective on the Utilization of Rotenone in Stormwater Ponds as Piscicide for Goldfish Populations**
Brody Andersen, Bureau Veritas Canada

SESSION D **Exploding Demand - A Race to Keep Up: Exploring the WILD Story Behind the WILDRWSC**
Sophie Sadowski, Stantec & Joe Duplessie, WILD Regional Water Services Commission

9:30 - 10:15 am

SESSION A **Tackling H₂S and FOG in your Sewer! Town of Diamond Valley Project Review - Part II**
Jonathan Lee, ActiZyme Products Ltd & Terry Orum, Diamond Valley

SESSION B **Chemical Feed Systems: Upgrades to Prevent Leaks and Unnecessary Maintenance**
Justin Giroux, OPTCO Ltd

SESSION C **Leveraging the Cloud for Real-Time Operational Insights**, Jeff Smith, Trimble Inc, and Ali Mousavi, Cansel Survey Equipment

SESSION D **Lift Station Maintenance Optimization as Implemented in the EPCOR Storm and Sanitary Stations within the City of Edmonton**
Nicole Ewing & Clayton Perron, EPCOR / City of Edmonton

10:15 - 10:45 am **COFFEE - Alpine Meadows**

THURSDAY - March 13, 2025

10:45 - 11:15 am PRESENTATIONS:

SESSION A **Water Quality Measurement: Accuracy and Frequency**
Johnny Ke, Stantec

SESSION B **Back to the Well: Revisiting the Case for Direct Feed RO**
Tyler Reaser, Delco Water

SESSION C **Service Lateral Maintenance Strategies**
Mark Wille & Stefan Tirschmann,
Strathcona County

SESSION D **Effective Budgeting and Resource Allocation for Community Impact**
Scott Dallas, City of Red Deer / City of Lacombe

11:15 - 12:00 pm

SESSION A **Saving Time and Money with an Operation and Maintenance Specialist**
Kerri Barenz, Jacobs

SESSION B **Operator Involvement and Leadership: Commissioning at the Glenmore Water Treatment Plant**
Jibin Kottayil, City of Calgary & Anne Bridgman, Associated Engineering

SESSION C **See & Hear the 3-Types of Centrifugal Pump Cavitation**
Stefan Fediw, John Brooks Company Ltd

SESSION D **"The Field of Dreams" – Water System Contamination to Recovery**
Allen MacAllister, City of St. Albert & Grant Dixon, Associated Engineering

12:00 - 1:30 pm **LUNCH**

NOTES:

THURSDAY - March 13, 2025

- 1:30 - 2:00 pm**
SESSION A **PRESENTATIONS:**
Zero Chlorine Sensor – Key to Dechlorination
Hashanth Sasitharan, Capital H2O Systems & Brett Smith, Prominent Fluid Controls
- SESSION B** **Lessons Learned - Reverse Osmosis Package Integration to an Existing Facility**
Patrick Perera, Scovan Inc
- SESSION C** **Sewer Force Mains “A Pro-active Approach to Asset Management of these Often-overlooked Buried Pipelines”**
Kelsey Schellenberg, SFE Global
- SESSION D** **Decoding the Pump Curve and Other Pump Basics**
Bailey Ferguson & Bob Hawboldt, Associated Engineering
- 2:00 - 2:45 pm**
SESSION A **Bridging the Gap: Integrating Real-Time Lab Data into Wastewater Treatment Plant Operations with VTSCADA; Low-cost Hardware; and Custom 3D Printing**
Lee Allen & Chase Morrell, City of Lethbridge
- SESSION B** **Optimizing Freshwater Quality Through Advanced Oxygenation Techniques**
Dhaval Vaghasiya & Raymond Menard, ACC Water Solutions
- SESSION C** **Inflow & Infiltration Mitigation - For Operators**
Ravi Nagarajan, Carboline
- SESSION D** **Water Meter Exchange Program - It's All About Communication**
Leanne Lammertsen & Liam Nixon, City of Lethbridge
- 2:45 – 3:00 pm** **COFFEE - Alpine Meadows**

NOTES:

THURSDAY - March 13, 2025

- 3:00 – 3:30 pm**
SESSION A **PRESENTATIONS:**
Dewatering Technology Upgrade: From Centrifuges to Rotary Presses
Gareth Kingsford, Town of Banff & Liva Tessier, Associated Engineering
- SESSION B** **Lethbridge WTP Filter Capacity Upgrades**
Robert Keith, City of Lethbridge & Tyler Bennett, Coagtech
- SESSION C** **CLOSED**
- SESSION D** **Field Level Communication Enhancement**
Dallas Weiss & Brent Wolfe, EPCOR
- 3:30 – 4:00 pm**
SESSION A **Managing FOG in Your Wastewater System: A Pathway to Success**
Ethan Yeomans & Didier Arnould, The City of Calgary
- SESSION B** **City of Red Deer - Water Treatment Plant Liquid Ammonium Sulfate Upgrades**
Cythia Lee & Jarrett McAuley, City of Red Deer
- SESSION C** **CLOSED**
- SESSION D** **Alberta Environment and Protected Areas – Certification Update**
Christine Donovan, AEPA
- 6:00 pm** **RECEPTION - Alpine Meadows**
- 7:00 pm** **Annual Banquet – Main Ballroom**
Tickets Required
- AWWOA - Past Chair Award**
- 9:00 pm** **ENTERTAINMENT**
Comedian – Kelly Taylor



AWWOA values your feedback!

Following the Seminar, an evaluation will be emailed to you.

Your input will help make the seminar experience even better next year.

FRIDAY - March 14, 2025

MORNING WORKSHOP SESSION – Main Ballroom

8:30 - 11:30 am **Bearspaw South Feedermain Failure and Return to Service** (3-hour Presentation)

On June 5, 2024, The City of Calgary experienced a catastrophic feedermain break on a 1950 mm transmission line. This line is Calgary's largest and most critical portion of the feedermain network. This presentation will highlight the various impacts and challenges faced from the initial event occurrence and the responses and actions taken to minimize impacts and return the systems back to full service.

Presenters: Patrick Van den Eynden, Dana Shirley, Brad Forsyth, and Toby Weichert, The City of Calgary

11:30 am **CLOSING REMARKS**
Nathan Vis, AWWOA Chair

PAST AWARD RECIPIENTS

From last year's seminar award ceremony

2023 GERALD SAMUEL OPERATOR
OF THE YEAR AWARD

Terry Kosinski
Town of Athabasca

2024 RON BAYNE SERVICE AWARD

Darrin Wenzel
Strathcona County

2023 STEVE BLONSKY HONORARY
LIFE MEMBERSHIP AWARD

Allen Kendrick
and
Nancy McAteer

For a complete list of past award recipients visit
awwoa.ca/awards-scholarships

List of Exhibitors

Willow Room	AWWOA	57	Titan Environmental
Pine Room	Silent Auction	58	Pond Pro Canada
1	Alberta Wilbert Sales Ltd	59	H2 Solutions Inc
2	DXP natpro	60	Element Materials Technology
3	Mueller	61	E.B. Horsman & Son
4	North Fringe Alberta	62	Fabco Plastics Western Limited
5	Evoqua Water Technologies	63	ACC Water Solutions Inc
6	Nexom/Napier-Reid	64	Capital H2O Systems Inc
7	Mequipco Ltd	65	Camenex Control Systems
8	JWC Environmental	66	DWG Process Supply
9	W.R. Meadows	67	Klearwater Equipment & Technologies
10	Clear Water Controls Inc	68	NAIT
11	Westech Industrial Ltd	69	USC (West)
12	Process Water Solutions	70	Clow Canada
13	Trojan Industries	71	Cambridge Brass
14	Advance Diving Projects Ltd	72	Ford Meter Box
15	McKay Water Works Supply	73	Norwood Waterworks
16	Top Shot Concrete Inc	74	Pro-line Fittings
17	Terminal City Iron Works	75	IPEX Inc
18	ClearTech Industries Inc	76	REED Manufacturing Co.
19	Cam-Trac Inspection Services Ltd	77	SHAC Solutions Inc
20	Wolseley Inc	78	Sego Canada
21	Pacific Flow Control	79	Allied Industrial Dynamics
22	Donison and Associates Ltd	80	Integral High Performance Coatings/Groundworks
23	Southern Alberta Institute of Technology	81	Truxor Canada/Seahorse Aquatic Vegetation Harvesting
24	Aqua Clear Environmental	82	Velocity Water Service
25	Avensys Solutions Inc	83	SFE Global
26	Carbon Controls Ltd	84	Benchmark Instru. & Analytical Services Inc
27	Lambourne Environmental	85	Merlin Instrumentation
28	Accu-Flo	86	PBX Engineering
29	Neptune Technology Group	87	Restocrete Inc
30	Unified Alloys	88	EnviroTrace Leak Detection
31	Victaulic	89	KBL Projects
32	Superior Equipment Sales	90	Hydrasurvey Ltd
33	John Brooks Company Limited	91	Xylem Canada
34	Alberta Environment & Protected Areas	92	Zimco Instrumentation Inc
35	Metercor	93	InfraStruct Products and Services
36	ICONIX Waterworks	94	Waste Go
37	GF Urecon	95	Delta Water Products
38	Canadian Dewatering	96	Ramtech Environmental Products
39	Stormtec Water Management	97	Robar Industries Ltd
40	Aerzen Canada Inc	98	Spartan Controls
41	MAGNA Engineering Services Inc	99	Acti-Zyme Products Ltd
42	KANN Supply Waterworks	100	EMCO Waterworks
43	True Depth Diving and Marine Services	101	WJF Instrumentation Ltd
44	Calgary Sewer Scope	102	Stonhard
45	Univar Solutions	103	Procon Systems (2013)
46	SPD Sales Limited	104	CIMA+
47	SingleTrack	105	ESG Filtration Ltd
48	Electrogas Monitors Ltd	106	MPE a division of Englobe
49	Jadler Industries	107	Taber Solids Control
50	KaizenLAB	108	Engineered Pipe Group
51	Silversmith Data	109	MoveWater Inc
52	Hayward Flow Control	110	Hach Canada
53	ALS Canada Ltd	111	CARO Analytical Services
54	Matrixflo Engineered Prod.	112	Denso North America
55	Southern Rewind Inc	113	Delta Arndt
56	T'NT Work & Rescue		

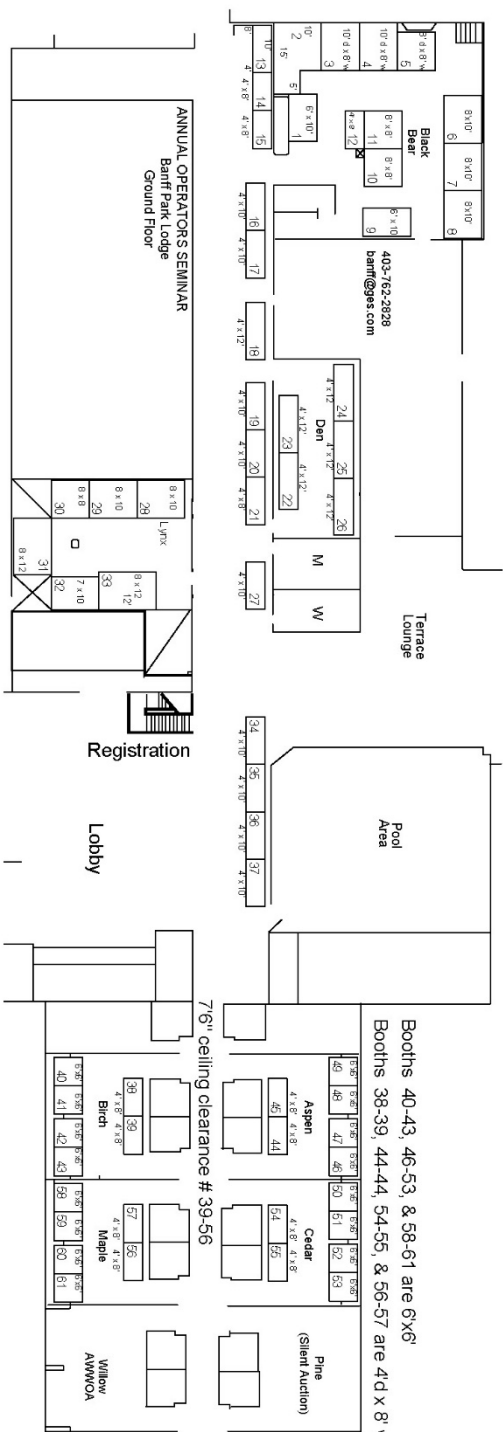
List of Exhibitors

- | | |
|--|--|
| 114 Liberty Pumps | 133 Target Products Ltd |
| 115 Fernco/Source One | 134 Endress+Hauser |
| 116 Clean Harbors | 135 Waste'n WaterTech Ltd |
| 117 AWI (Anthratech Western) | 136 CB Process Instrument.
and Controls |
| 118 Chamco Industries | 137 Romac Industries |
| 119 KTI Limited | 138 Veolia Water Technologies
Canada Inc |
| 120 IVIS Construction Inc | 139 Aurora Design Group Ltd |
| 121 PipeTech Rentals LP | 140 RIDGID |
| 122 Aquatech Diving & Marine
Services Ltd | 141 Summit Valve and
Controls Inc |
| 123 Tundra Process Solutions | 142 BioMaxx Environmental |
| 124 Wajax | 143 Wachs Canada |
| 125 N.S. Pawliuk & Son
Contracting | 144 Vanko, Analytical &
Instrument. Specialists |
| 126 BettsM Controls Inc | 145 LineStar Utility Supply Inc |
| 127 TDH Fluid Systems Inc | 146 Toray Membrane USA |
| 128 Sulzer | 147 Telematic Controls |
| 129 Delco Water | 148 Joe Johnson Equipment |
| 130 EasyDig | 149 AEC Industrial Solution Ltd |
| 131 Hetek Solutions Inc | |
| 132 Aquatera Utilities Inc | |

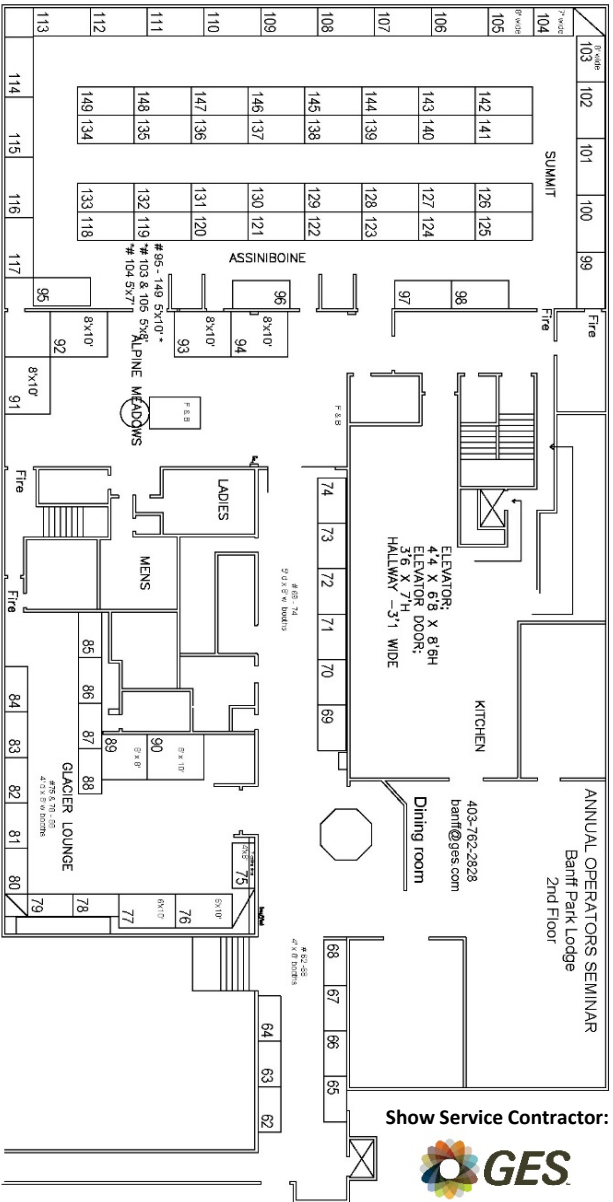
***The AWWOA wishes to thank all
our sponsors for their generous support!***

ACC Water Solutions Inc
AEC Industrial Solutions Ltd
Aquatech Diving & Marine Services
Aquatera Utilities
Aurora Design Group Ltd
BettsM Controls
Cam-Trac Inspection Services
Capital H2O Systems Inc
The City of Calgary
Delta Water Products
EasyDig
Ford Meter Box
Guillevin Automation
Hydrasurvey Ltd
Integral High Performance Graphics
ISL
IVIS Construction Inc
Kamstrup Water Metering
KBL Projects
Klearwater Equipment and Technologies
KTI Limited
Mountain View Water Ltd
MPE, a division of Englobe
Neptune Technology Group
Nexom/Napier-Reid
Pacific Flow Control
PipeTech Rentals Inc
Stantec
Sulzer Pumps (Canada) Inc
Taber Solids Control
TDH Fluid Systems Inc
Toray Membrane USA
Truxor Canada/Seahorse Aquatics
Velocity Water Services Inc
Waste Go Canada
Wolseley Canada Inc
W.R. Meadows of Western Canada
Zimco Instrumentation Inc

Banff Park Lodge - Lower Level



Banff Park Lodge - Upper Level



Trade Show Display Times
Monday: 3:00 – 8:00 p.m.
Tuesday: 10:00 a.m. – 3:00 p.m.



AWWOA

CELEBRATING OPERATORS

50th Annual Operators Seminar

SPONSORED BY:



Fundraising Events

- Two **50/50** events, Monday and Tuesday. Tickets will be sold by the Charitable Donations Committee.
- **Silent Auction**, in the Pine Room on:
Monday: 3:00 - 8:00 p.m.
Tuesday: 10:00 a.m. to 4:00 p.m.

All funds raised are in support of **The Water School**

Your 2025 donations will be matched dollar-for-dollar by The Water School!

Social Media

Alberta Water & Wastewater Operators Association

@awwoa

#AWWOA2025

