



## SCHEDULE AT A GLANCE

### Tuesday, October 4, 2022

10:00 a.m. Golf: Mid Vallee Golf Course | 3850 Mid Valley Dr., De Pere, WI 54115  
10:00 a.m. Shotgun Start Sporting Clays: Little Creek Lodge | 4219 Sampson Rd. Little Suamico, WI 54141  
10:00 a.m. Bike Ride: Start/finish - St. Brendan's Inn | 234 s. Washington St., Green Bay, WI 54301  
2:00 p.m. - 4:00 p.m. Registration Opens: (pick up pre-reg. only)  
1:00 p.m. - 4:00 p.m. Pre-Conference Workshops:  
4:30 p.m. - 6:00 p.m. Regional Officers Meeting:  
6:00 p.m. - 9:00 p.m. Meet & Greet (beer, wine, soda, cash bar): Riverview Rooms  
6:00 p.m. - 8:00 p.m. Dinner buffet: Tailgate and Nacho Bar: Riverview Room Foyer

### Wednesday, October 5, 2022

7:00 a.m. - 5:00 p.m. Registration Opens: Registration Booth (Scanning In and Out)  
8:30 a.m. - 8:45 a.m. Welcome Address: WVOA President, Rick Mealy  
8:45 a.m. - 10:00 a.m. Keynote Address: Larry Smith of "*Larry Smith Outdoors*"  
  
10:00 a.m. - 5:00 p.m. Exhibitor Expo: Exhibit Area  
10:45 a.m. - 12:00 p.m. Technical Sessions: Grand A, B, C and F  
12:00 p.m. - 1:30 p.m. Walk Around Lunch: Exhibit Area  
12:00 p.m. - 4:30 p.m. Operators Competition: Exhibit Area  
1:30 p.m. - 4:15 p.m. Technical Sessions: Grand A, B, C, and F  
4:15 p.m. - 5:15 p.m. Exhibitors Social Hour: Exhibit Area

### Thursday, October 6, 2022

7:00 a.m. - 4:45 p.m. Registration Opens: (Scanning In and Out)  
8:00 a.m. - 11:30 a.m. Exhibitor Expo: Exhibit Area  
8:00 a.m. - 11:45 a.m. Technical Sessions: Grand A, B, and C  
11:45 a.m. - 12:15 p.m. Operators' Luncheon: Grand D  
12:15 p.m. - 1:30 p.m. Business Meeting: Grand D  
12:30 p.m. - 4:30 p.m. Septage Compliance/Master Operator Training Technical Session: Grand F  
1:15 p.m. - 4:00 p.m. Plant Tour Departure Convention Center Entrance by the South Hall  
(Must pre-register at Registration Booth (North Hall) for bus transportation)  
  
1:30 p.m. - 4:00 p.m. Technical Sessions: Grand A, B, and C  
6:00 p.m. - 7:00 p.m. Social Hour: Riverview Room  
7:00 p.m. - 11:00 p.m. Awards Banquet: Grand E  
Entertainment: Riverview Room

### Friday, October 7, 2022

7:30 a.m. - 11:00 a.m. Registration KI Lobby S. Counter  
8:30 a.m. - 10:30 a.m. Farewell Breakfast: Grand E  
  
Greeting: Jeremy Cramer, WVOA President  
Speaker: Wisconsin State Laboratory of Hygiene's Dr. Adélaïde Roguet, "Monitoring Public Health One Flush at a Time"

**CURRENT YEAR (2022) NAME BADGE REQUIRED FOR ADMISSION TO ALL CONFERENCE FUNCTIONS**



# WWOA PRE-CONFERENCE WORKSHOPS

**TUESDAY, OCTOBER 4, 2022**

**1:00 pm — 4:00 pm**



|                   | WORKSHOP A  | WORKSHOP B  |
|-------------------|---|---|
| <b>ROOM</b>       | Grand A   | Grand B   |
| <b>MODERATOR</b>  | Rick Mealy  | Joshua Voigt  |
| <b>SPEAKER(S)</b> | Rick Mealy ( <i>WWOA</i> )<br>Tom Trainor ( <i>WDNR</i> ) | Tonya Chandler ( <i>BioLargo Engineering, Science &amp; Technologies, LLC</i> ) |
| <b>TITLE</b>      | The Fine Art of BOD Analysis                              | PFAS: History, Treatment, and Regulatory Direction                              |

Cost: \$45 Pre-Registration  
\$55 On-Site or after Sept. 20

No refunds issued after Oct. 1, 2022

CECs: 3 hours Municipal Waterworks  
3 hours Wastewater  
Full workshop attendance 1-4 PM

To register, go to: <https://www.wwoa.org/registration>

# WEDNESDAY, OCTOBER 5, 2022

## 8:30 am — 5:15 pm



### WWOA TECHNICAL PROGRAM SCHEDULE

Wednesday, October 5, 2022

8:30 am -8:35 am **Opening Remarks:** TBD -- 2nd Floor, Grand D,E

8:35 am -8:45 am **Welcome Address:** Rick Mealy, WWOA President -- 2nd Floor, Grand D,E

8:45 am - 10:00 am **Keynote:** Larry Smith (*Larry Smith Outdoors*) -- 2nd Floor, Grand D,E

*Visit the Exhibit Hall -- 10:00 am - 5:00 pm -- Exhibit Area*

| ROOM             | SESSION A: Save Your Assests<br>Moderator: Jeremy Cramer<br>Grand A  | SESSION B: Crystal Ball<br>Moderator: Don Lintner<br>Grand B                                       |  |
|------------------|--|--|--|
|                  | <i>Randy Langer, P.E./Ryan Yentz, P.E.<br/>Strand Associates, Inc.</i>   | <i>Ben Huffman/Nat'l Weather Serv.<br/>City of South Milwaukee</i>                                 |  |
| 10:45-11:20 a.m. | <b>Utilizing Asset Management for More Proactive Capital Planning - A Review of Successful Case Studies</b>                          | <b>NWS Weather Forecasting tools and South Milwaukee Flooding synopsis/round table discussion.</b> | <i>If not attending either of the two morning technical sessions, we encourage you to --please-- take this opportunity to visit our exhibitors, who are an integral part of our annual conference!</i> |
|                  | <i>Andy Zimmer, PE<br/>MSA Professional Services</i>   | <i>Scott Luczak/Wayne Dehn<br/>Delafield-Hartland Wastewater/CLOCworks</i>                         |  |
| 11:25-12:00 p.m. | <b>Leveraging GIS, CCTV and Real-time Inspection Tools to Analyze Collection System Defects and Develop an I/I Reduction Program</b> | <b>Understanding Demand, Consumption &amp; Fuel Adjustment Charges</b>                             |  |

**12:00 pm -1:30 pm** Walk Around Lunch -- Exhibit Hall

**12:30 pm -4:30 pm** Operators Competition -- Exhibit Hall (center)

| ROOM           | SESSION C: Operator Scramble<br>Moderator: Ben Brooks<br>Grand A   | SESSION D: P inside the fence<br>Moderator: Joe Watson<br>Grand B  | SESSION E: SCADA and Data<br>Moderator: Nate Tillis<br>Grand C   | SESSION F: Collection Systems<br>Moderator: Randy Langer<br>Grand F  |
|----------------|--|--|--|--|
|                | <i>Vanessa Hady<br/>Environmental Consulting &amp; Testing, Inc</i>  | <i>Katie Jo Jerzak, PE/Dennis Barnes, PE<br/>SEH/Xylem/Village of Holmen</i>   | <i>Brent Brown, PE/ Jeff Smudde/Erin Houghton/Natalie Lenz, PE<br/>Jacobs/NEW Water</i>  | <i>Neal Kolb<br/>WalCoMet</i>  |
| 1:30-2:05 p.m. | <b>Whole Effluent Toxicity (WET) Testing Basics</b>  | <b>Achieving low effluent TP Limits with Enhanced Biological Phosphorus removal in an Oxidation Ditch process with Aerobic Digestion</b> | <b>Digital Solutions for Data Management and Visualization to Support Program Management of a Watershed-Based Approach for Phosphorus Compliance</b> | <b>Preparing for the Future - Strategic Planning and Implementation Solves Sewerage District's Collection System Bottlenecks</b> |
|                | <i>Ryan Holzem<br/>Donohue &amp; Associates, Inc</i>   | <i>Troy Larson<br/>Strand Associates</i>   | <i>Steven Muther, P.E./ Evan Chambers, P.E.<br/>Town and Country Engineering, Inc.</i>   | <i>Christopher Lockett, P.E.<br/>Donohue &amp; Associates</i>  |
| 2:10-2:45 p.m. | <b>Unlocking your Facility's Least Expensive Capacity with andwithout Stress Testing: Three Wisconsin Case Studies</b> | <b>What have we learned? An Operability Review of Low-Level Phosphorus Implementation</b>  | <b>Communication is the Key to Success! (For Successful SCADA System Upgrades)</b>   | <b>Pump Stations: Upgrade, Replace, or Eliminate – A Waukesha Case Study</b>   |

**2:45 - 3:00 pm BREAK in the Exhibit area**

|                |   |  |  |  |
|----------------|---|--|--|--|
|                | <i>Rusty Schroedel<br/>AECOM</i>  | <i>Tom Crouse<br/>Donohue &amp; Associates</i>   | <i>Lance Teunissen, PE<br/>MSA Professional Services, Inc.</i> | <i>Tricia Garrison/Sharon Thieszen<br/>NEW Water</i>   |
| 3:00-3:35 p.m. | <b>Digester Gas Handling and Storage: Be Careful!</b>                           | <b>Phosphorus Compliance at Village of Howards Grove</b>                                     | <b>What all should be on your SCADA LAN?</b>                   | <b>Public Education &amp; Outreach - Unflushables</b>  |
|                | <i>Tom Fitzwilliams/Andrew Meyer/Zach Raff<br/>MSA/Marquette Univ./UW-Stout</i> | <i>Matt Castilla/ Jeremy Cramer/ Patrick Heineck<br/>MSA Prof. Serv./City of Sun Prairie</i> | <i>Jessica Morrison<br/>Wonderware</i>                         | <i>Ryan Yentz P.E./Randy Langer P.E.<br/>Strand Associates, Inc</i>  |
| 3:40-4:15 p.m. | <b>The True Cost of Clean Water and Wastewater</b>                              | <b>Planning, Design and Construction: Sun Prairie Case Study</b>                             | <b>GS Plant Optics - AVEVA</b>                                 | <b>Why Did the Sewer Cross the Road? River? or Railroad? A Look at Maintaining Infrastructure in Difficult Locations</b> |

**Exhibitors Social Hour in the Exhibit Hall -- 4:15 -5:15 Exhibit Hall C**

# THURSDAY, OCTOBER 6, 2022

## 8:30 am — 4:00 pm



### WWOA TECHNICAL PROGRAM SCHEDULE

Thursday, October 6, 2022

Visit the Exhibit Hall -- 8:00 am - 11:30 am --Exhibit Area

| THURSDAY  |   |   |  |   |   |
|---|---|---|--|---|---|
| ROOM  | SESSION G: Project Planning<br>Moderator: Aaron Eichhorst<br>Grand A  | SESSION H: Case Studies<br>Moderator: Marc Stephanie<br>Grand B   | SESSION I: Source Control<br>Moderator: Jenny Pagel<br>Grand C   |   |   |
| 8:00-8:45 am  | <i>Aric Bergstrom</i><br><i>Donohue &amp; Associates, Inc</i><br><b>Getting the Equipment You Want in Your Construction Project</b> | <i>Todd Schwingle/Jamey West</i><br><i>AECOM, Salt Lake City DPU</i><br><b>Startup Plan Development for a greenfield 48 MGD BNR WWTP</b>  | <i>Dan Schaefer</i><br><i>SEH</i><br><b>Chlorides: Variances, Source Reduction and Compliance</b>  | If not attending technical sessions, please visit the Exhibit Hall!   |   |
| 8:50-9:35 am  | <i>Nick Beil</i><br><i>CD Smith</i><br><b>Construction Projects: A Contractor's Perspective</b>                                     | <i>Ben Brooks/Bill Marten</i><br><i>City of Wausau/Donohue &amp; Associates</i><br><b>Wausau Waterworks-WWTP: Innovation in the Midst of Change</b>                               | <i>Kay Curtin/ Jesse Hass</i><br><i>WI Rural Water Assoc.</i><br><b>Working with Your Industrial Dischargers</b>   |   |   |
| 9:35-10:00 am Break in Exhibit Area   |   |   |  |   |   |
|   | SESSION J: Our Profession<br>Moderator: Troy Larson<br>Grand A  | SESSION K: Regionalization & Fundi<br>Moderator: Tom Fitzwilliams<br>Grand B  | SESSION L: Maintenance<br>Moderator: Josh Voigt<br>Grand C   | Emerging Technology session<br><br>Check out a series of talks devoted to emerging technologies in the center of the Exhibit area from 8:30 to 11:00 am |   |
| 10:00 -10:40 am   | <i>Nate Tillis</i><br><i>Waukesha Clean Water Plant</i><br><b>Rebranding Wastewater? That's Crazy Talk</b>                          | <i>Ben Heidemann, P.E. – Vice President</i><br><i>Town and Country Engineering, Inc.</i><br><b>Sullivan, Sullivan and Sullivan – Creation of a Regional Treatment Partnership</b> | <i>Joshua Voigt</i><br><i>Flygt</i><br><b>What happens to good pumps when they are not maintained.</b>   |   |   |
| 10:45 -11:25 am   | <i>Troy Larson</i><br><i>Strand Associates</i><br><b>Tricks of the Trade - 2022</b>   | <i>Art Bahr/ Diane Wessel</i><br><i>MSA Professional Services</i><br><b>Upgrade costs muddying the waters? Let funding clear the way.</b>   | <i>Jon Butt</i><br><i>Symbiont</i><br><b>Membrane Diffuser Maintenance</b>   |   |   |
| 11:45 pm <b>Operator's Luncheon -- Grand D (2nd floor)</b><br>12:15 pm <b>WWOA Business Meeting -- Grand D (2nd floor)</b><br>1:15 Plant Tour Buses depart from the Elm St. entrance, KI Center |   |   |  |   |   |
|   | SESSION M: Laboratory<br>Moderator: McKala Kiessling<br>Grand A   | SESSION N: Biosolids<br>Moderator: Chris Lefevbre<br>Grand B  | SESSION O: P Outside the Fence<br>Moderator: Jeff Smudde<br>Grand C  | SEPTAGE COMPLIANCE<br>Moderator: Steve Geis<br>Grand F  | TOUR  |
| 1:30-2:15 pm  | <i>Autumn Farrell</i><br><i>Wisconsin Department of Natural Resources</i><br><b>Lab Work - Back to Basics</b>                       | <i>Eric Lynne / Nick Martin</i><br><i>Donohue / City of Stanley</i><br><b>How NOT to operate reed beds, and how to build a belt press FAST.</b>                                   | <i>Erin Houghton/ Ben Young</i><br><i>NEW Water: GBMSD</i><br><b>Alternative Compliance Programs: Adaptive Management</b>  | Septage Compliance & Master Operator Training<br><br>12:30 - 4:30 pm<br><br>CECs: 4.0 Septage Compliance  | P<br>L<br>A<br>N<br>T<br><br>T<br>O<br>U<br>R |
| 2:20-3:05 pm  | <i>Tom Trainor</i><br><i>WDNR Certification Services</i><br><b>WDNR Lab Audits – Frequent Audit Findings &amp; How to Avoid</b>     | <i>Eric Lynne / Jared Greeno</i><br><i>Donohue / City of La Crosse</i><br><b>Why La Crosse selected the Orege thickening technology</b>   | <i>Travis Anderson/Troy Larson</i><br><i>Strand Associates, Inc.</i><br><b>Everything but the Kitchen Sink: Combining Compliance Options to Meet Low Level Phosphorus Limits</b> |   |   |
| 3:15-4:00 pm  | <i>Ben Huffman</i><br><i>South Milwaukee Water/Wastewater</i><br><b>Pro's/Con's of Commercial Laboratory for daily lab work</b>     | <i>Travis Anderson/Ryan Yentz</i><br><i>Strand Associates, Inc.</i><br><b>Beat the Heat with Biosolids Drying: Lessons Learned</b>  | <i>Dave Arnott</i><br><i>Ruekert &amp; Mielke, Inc.</i><br><b>Downstream Water Quality Trade In a Different Community</b>  |   |   |
| 6:00 pm Social Hour - Riverview Rooms (2nd floor)<br>7:00 pm Awards Banquet -- Grand E (2nd floor)<br>9:00 pm (approx.) Post Awards Banquet Entertainment - Riverview rooms                     |   |   |  |   |   |

**FRIDAY, OCTOBER 7, 2022**

**8:30 am — 10:30 am**



WWOA TECHNICAL PROGRAM SCHEDULE

Friday, October 7, 2021

8:30 am - 10:30 am **Operator's Farewell Breakfast** - Grand E

Moderator: WWOA President Jeremy Cramer

Presenter/Title: Dr. Adélaïde Roguet (WI State Laboratory of Hygiene) - "Monitoring Public Health One Flush at a Time "

*Don't forget to Scan In & Scan Out at the Registration Desk!!*

CONCLUSION OF CONFERENCE

## KEYNOTE SPEAKER

### Meet Larry Smith ...

Larry has been a full-time fishing guide for over 30 years and Host of "Larry Smith Outdoors" from working with John Guellisepie to starting his own show, Larry knows the meaning of perseverance. From long hours of guiding, farming, and taking care of his animals to fathering 4 amazing children, Larry can definitely tell you what a hard day's work looks like. Having a positive outlook on life has allowed him to dedicate his life to his passions.



***Mark your calendars for October, 2022!***

**WISCONSIN WASTEWATER OPERATORS ASSOCIATION**

**56<sup>th</sup> Annual Conference**

*KI Conference Center*

*Green Bay, WI*

*October 4—October 7, 2022*

**CURRENT YEAR NAME BADGE REQUIRED FOR ADMISSION TO ALL CONFERENCE FUNCTIONS**



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## 2022 WWOA Officers and Board of Directors

|                 |                 |
|-----------------|-----------------|
| President       | Rick Mealy      |
| President Elect | Jeremy Cramer   |
| Vice President  | Joshua Voigt    |
| Past President  | Don Lintner     |
| Director (2023) | Ben Brooks      |
| Director (2023) | Jenny Pagel     |
| Director (2022) | Marc Stephanie  |
| Director (2022) | Nate Tillis     |
| Director (2023) | Aaron Eichhorst |

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## 2022 Technical Program Committee

**Chair:** Josh Voigt

**Committee Members:** Ben Brooks, Jeremy Cramer, Aaron Eichhorst, Don Lintner, Rick Mealy, Jenny Pagel, Marc Stephanie, Nate Tillis, Josh Voigt, Derek Budsberg, Tom Fitzwilliams, Ben Huffman, Katie Jo Jerzac, McKala Kiessling, Neal Kolb, Randy Langer, Troy Larson, Chris Lefebvre, Corey Margetta, Bernie Robertson, Jeff Smudde, Josh Steffek, Diane Thoune, Marc Zimmerman

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## 2022 Exhibits, Manufacturers & Consultants Committee

**Chair:** Tom Mulcahy      **Co-Chair:** Carol Strackbein

**Committee Members:** Jeff Bratz, Kevin Freber

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## 2022 Local Arrangement Committee

**Chair:** Aaron Eichhorst

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## WDNR Continuing Educational Credits (CEC) Procedures - WWOA Conference

WWOA has implemented the following procedure to comply with the WDNR electronic CEC tracking system requirements. In order for those WWOA Conference attendees to receive their required CECs, the following program will be in place for this year's conference. It is imperative that everyone that has a DNR Operators Certification Number includes it on their registration (no matter how they register - either on-line or by mail-in registration form). If you do NOT know your number, you can find it by going to the DNR website and look it up: <http://dnr.wi.gov/elcpublic/optcertlookup.aspx?pg=opcert>.

You can find your number and training history here. All of the Certified Operators in attendance will have a special barcode, based on their DNR Operator number, added to their badge for scanning purposes. They will be the only attendees with barcodes.

**In order to receive CECs for the Conference, everyone with a barcode on their badge will have to scan in and out on Wednesday, Thursday, and Friday.** All barcode scanning will be done at the WWOA Conference Registration Office. There will be special lines set up for scanning purposes. Everyone going on the plant tour will have to check in and out with the WWOA person taking attendance on the bus. You **must register** for the plant tour bus at the WWOA Conference Registration office in advance. Bus sign up is on a first come basis.

**NOTE: We will only scan one badge per person. You must bring your own badge to the Registration office for scanning. We will NOT scan multiple badges presented by one person.**

The WWOA Registration Office will be open the following hours during the convention:

| <b>Date</b>              | <b>Times</b>  |
|--------------------------|---|
| Tuesday, October 4, 2022 | 2:00 pm to 4:00 pm (pick up registration packets only). |

**Exhibitor** packets will be available in their booths starting on Tuesday morning. However, any Exhibitor that has a barcode on their badge must scan in and out at the Registration Office to receive their CECs.

|   |                    |
|---|--------------------|
| Wednesday, October 5, 2022                    | 7:00 am to 4:45 pm |
| Registration and Pick up Registration Packets |                    |
| Scan In and Out for CEC Hours                 |                    |

|   |                    |
|---|--------------------|
| Thursday, October 6, 2022                     | 7:00 am to 5:00 pm |
| Registration and Pick Up Registration Packets |                    |
| Scan In and Out for CEC Hours                 |                    |

**DONT FORGET TO CHECK OUT WITH THE WWOA PERSON TAKING ATTENDANCE ON THE BUS TOUR**

|  |                               |
|--|-------------------------------|
| Friday, October 7, 2022 from 7:00 am to 11:00 am/Registration office | Scan In and Out for CEC Hours |
|--|-------------------------------|

**On-site Registration for the Pre-Conference Workshops will be at the Registration office.**

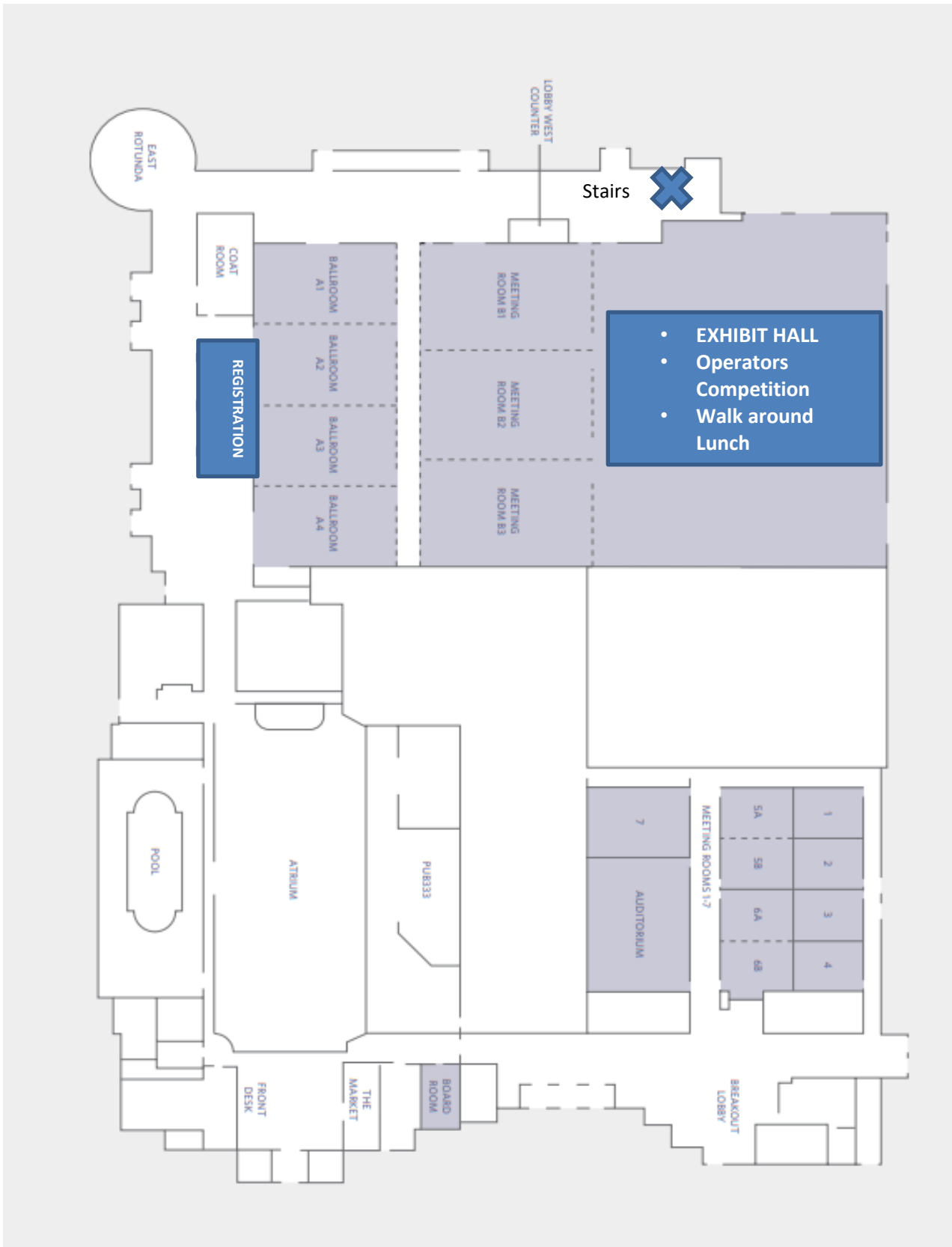
Everyone that signed up for the **Pre-Conference Workshops**, check in and check out will be handled outside of Upper South Hall Rooms seminar rooms. These rooms are immediately adjacent to one another.

Every participant will receive CECs based upon their scan in and out times. If you scan out early, you will only receive CECs for the time that you are in attendance at the WWOA Conference. There will be signs placed throughout the facilities reminding everyone to scan in and out. Ultimately, this will be the responsibility of each attendee to do so.

Everyone that requires **Professional Development Hours (PDHs)**, please check in at the **Registration Office**.



# KI Center 1<sup>st</sup> floor



# KI Center 2<sup>nd</sup> floor

