

VOWRA Conference Draft

**Sunday, September 30, 2018** – Shallow Treatment and Dispersal – Design Installation and Operations (4 HR CPE)

Holley Ballroom IV

Workshop: (4 HR CPE) (Topics applicable to all license classes)

| Time        | Topic  | Speaker             |
|-------------|--|---------------------|
| 1:00-2:00   | Keys to Design of Shallow Dispersal Systems      | Sara Heger, PhD, PE |
| 2:00-2:20   | Break  |                     |
| 2:20 – 3:40 | Installation to Maximize Treatment and Longevity | Sara Heger, PhD, PE |
| 3:40-4:00   | Break  |                     |
| 4:00 – 5:00 | Use and Management to Increase Life Expectancy   | Sara Heger, PhD, PE |

5:00 – 6:30 PM RECEPTION on the Terrace

5:15 PM Board Meeting – Washington Room

**Monday, October 1, 2018**

7 AM- 6 PM Registration – Outside Portsmouth Ballroom

7:00 – 8:15 AM Continental Breakfast – Portsmouth Ballroom

Education Topics 8-11:30 (3 HR CPE)

| Time         | Track A<br>Operation – Holley Ballroom IV                            | Track B<br>Installation – Holley Ballroom I-III                                 | Track C<br>Design – Case Study Ampitheater   |
|--------------|--|---|--|
| 8:00 – 9:00  | Proper Techniques for Environmental Sample Collection – Mark Inboden | Material Quality – Sara Heger, PhD, PE  | Design Considerations for Large Systems and Rental Properties – Mike Stidham                               |
| 9:00 – 10:00 | What’s Going Down the Drain Matters – Sara Heger, PhD, PE            | Contract Law – What You Need to Know to be in Compliance with DPOR – Greg Davis | Subsurface Saves the Bay: The Northern Neck’s Approach to Protecting the Chesapeake Bay – Karlyn Owens, PE |
| 10:00–10:30  | Break  |   |  |
| 10:30-11:30  | An Approach to O&M - Jonathan Godfrey                                | Avoiding Construction Payment, Faulty Workmanship & Design– Kristan Burch       | Compaction – The Enemy of System Longevity – Sara Heger, Phd, PE   |
| 11:30-1:00   | Lunch (12:10 to 1:00PM) Portsmouth Ballroom                          |   |  |

Monday, October 1, 2018 Education Topics 1-5pm (4 HR CPE)

| Time        | Track A<br>Operation – Holley Ballroom IV                               | Track B<br>Installation – Holley Ballroom I-III                  | Track C<br>Design – Case Study Ampitheater                      |
|-------------|---|--|---|
| 1:00 – 2:00 | Treatment System O&M - Jonathan Godfrey                                 | Compaction – The Enemy of System Longevity – Sara Heger, PhD, PE | Standardizations of Soil Evaluations at VDH – Jay Conta         |
| 2:00 – 2:50 | Vacuum Truck Maintenance – For Maximum Life and Efficiency – Bill Jones | UV Installation – Best Practices – Paul Small                    | Interpreting Soils for Onsite Wastewater Systems – Steve Thomas |

|             |  |  |   |
|-------------|--|--|---|
| 2:50 – 3:15 | Break  |  |   |
| 3:15 – 4:05 | Four Ways to Market Your Business Locally – Rod Watson | Installation of Pumps and Controls – Jonathan Godfrey  | Soil Evaluations by the Book – Using the NRCS Field Book – Erik Severson, PhD |
| 4:10 – 5:00 | DPOR Updates – Trisha Henshaw                          | Low Pressure Distribution and Drip Irrigation Startup – Getting Off to a Good Start – Jonathan Godfrey | Site Evaluation Standardization Forum – Pam Pruett, moderator                 |

5:00 – 6:30 PM RECEPTION on the Terrace

**Tuesday, October 2, 2018**

Breakfast 7:00 AM – 8:15 AM Portsmouth Ballroom

Education Topics 8:00 – 11:30 AM (2.5 CPE)

Location: **Portsmouth Ballroom**

| Time         | Topic   | Speaker  |
|--------------|---|--|
| 8:00-8:15    | Welcome   | Trapper Davis, President, VOWRA  |
| 8:15 –8:40   | NOWRA Update  | Eric Casey, Executive Director, NOWRA                                      |
| 8:40-9:30    | The Public Health Risks of Inadequate Wastewater Treatment  | Danna Revis, MALT, MAOSE   |
| 9:30 – 10:00 | Restoring the Chesapeake Bay: Virginia’s Progress and Path Forward  | Ann Jennings, Deputy Secretary of Natural Resources for the Chesapeake Bay |
| 10:00-10:30  | BREAK   |  |
| 10:30-11:30  | VDH Updates - Lance Gregory, Director – Division of Onsite Sewage and Water, Environmental Engineering, and Marina Programs |  |
| 11:30-1:00   | LUNCH and Annual Meeting  |  |

Tuesday, October 2, 2018 1-3pm (2 HR CPE)

| Time        | Track A<br>Operation – Holley Ballroom IV | Track B<br>Installation – Holley Ballroom I-III | Track C<br>Design – Case Study Ampitheater                                       |
|-------------|---|---|--|
| 1:00 – 2:00 | VDH – GMP 2018-01 Tentative               | DPOR Updates – Trisha Henshaw                   | Fundamentals of Micro-Pressure Dosing – Reed Johnson, Orenco, Area Sales Manager |
| 2:00 – 3:00 | Operator Safety – Craig Collins, DOLI     | VDH – GMP 2018-01 Tentative                     | DPOR Updates – Trisha Henshaw  |