

SSPMA

Room 133-135

8:00 a.m. – 9:00 a.m.

8:00 a.m. – 9:00 p.m.

Title: UNDERSTANDING PUMPS AND COMMON PUMPING ISSUES

Abstract: This session focuses on understanding the differences between sump, effluent and sewage pump applications as well as the differences between sump, effluent, sewage and grinder pumps. The various types of construction and design used by pump manufacturers will be reviewed such as motors, bearing, impellers, seals and cord entrances. A brief overview on the different types of switches used in pumping applications will also be discussed. The discussion will also include a basic checklist when diagnosing and trouble shooting common pumping issues. Wrapping up the discussion, there will be a brief overview of the Sump and Sewage Pump Manufacturers Association (SSPMA) certification criteria for pumps to become SSPMA Certified and why it may be valuable to reference when selecting or working with pumps.

Speaker: JEFF HAWKS

Jeff Hawks is the President of Champion Pump Company, Inc. Jeff started in the pump business in 1982, as an inside sales position with Hydromatic Pump Company. From 1983-1986 he was an outside salesman with Ashland Pump and Supply. In 1995, he was hired as the Sales Manager for Covert Pump Company, which manufactured sump, effluent, sewage and well pumps. Following in 1996 he was hired as the Product /Market Manager for Barnes Pumps where he received an award for getting the largest order in Crane Pumps & Systems History, which is the parent company of Barnes Pumps. In 2003 Jeff accepted a position as National Accounts Manager for Blue Angel Pumps before starting with Champion Pump Company in 2005 where he is currently the President. Jeff has given pump presentations in several states with continuing education credits for associations such as North Carolina Septic Association, Ohio Onsite Wastewater Association and has had the responsibility of Rep training presentations for his prior employers. Jeff currently serves on the Board of directors for SSPMA where he has held the offices of Secretary/Treasurer and Vice President.

9:30 a.m. – 10:30 a.m.

Title: Evaluation and Installation of Battery Back Pump Systems

Abstract: This presentation focuses on the principle and value of having a backup unit for the primary sump pump. It will include a review of the available options such as battery operated, inverter operated or water-powered pumps. The presentation will also cover details on how to select a backup system, how to install it and how to perform maintenance to keep it in operation. Installation issues will include sizing, switch positioning, placement of check valves and proper pipe venting. Consideration will be given to combination systems that include a primary and a backup.

Speaker: Jeff Sloss is the Controls Product Manager for Zoeller Company in Louisville, KY. He holds a Bachelor of Science in Political Science (1991) from Northern Illinois University and a Masters of Public Administration (1993) from Northern Illinois University. After a 3 year career in the municipal bond world, Jeff returned to the family pump business in the Chicago suburbs. He spent the next 18 years as the owner of a company that sells, services and installs sump, battery backup, and sewage pumps. Jeff also started a company that developed battery backup

sump pump systems and controls, including the first internet connected sump pump equipment. In 2012, Jeff joined Zoeller and moved to Louisville with his wife and 4 children.

11:00 a.m. – 12:00 p.m.

Title: Best Installation Practices for Trouble-Free Pump Controls

Abstract: General and technical information on best methods for installing wastewater pump control panels and float switches for installers, inspectors, and operations and maintenance personnel. Topics will include: 1) Things to consider before installing a control panel; 2) Examples of proper and improper installations; 3) Trouble-shooting control panels when problems do occur; 4) Basic electrical theory; 5) Control panel components; 6) How to read an electrical schematic 7) How to use a multi-meter; and 8) Simplex and Duplex theory of operation. This should serve as a good introduction to anyone wanting to learn more about installing and trouble-shooting wastewater pump systems. It can also be used as a refresher for industry veterans.

Speaker: Mark McCollum has been with SJE-Rhombus for over 25 years, including the last four years as Regional Sales Manager for Western United States where he is responsible for planning, developing and implementing marketing and sales strategies throughout his territory by attending regional trade shows, conducting sales calls and product and technical training. Mark has a long history with SJE-Rhombus starting in production building control panels. He moved into customer service where he was responsible for assisting customers with ordering, servicing and troubleshooting control panels prior to moving into sales. Mark is an active member in the Oregon Onsite Wastewater Association and volunteers on multiple committees

1:30 p.m. – 2:30 p.m.

Title: Troubleshooting Pumps, Panels and Switches with Digital Multimeters

Abstract: This session is designed to assist the contractor in troubleshooting a typical wastewater system (pump, panel, switches). Specific issues addressed will include basic types of meters and their capabilities such as checking voltage, amperage, resistance, insulation resistance, continuity and capacitor measurements.

Speaker: Tom Stephan, has been the Training Manager for Goulds Water Technology/Xylem since 2011. Tom has also held several other positions in the company since 1988 where he worked in support of the company through sales, marketing, customer service management, warranty claims, and global process management. In his current position, Tom is responsible for all research, development and implementation of web-based online training. Tom received his BS in Business Management and Marketing from Cornell University.

3:00 p.m. – 4:00 p.m.

Title: Sizing Guidelines for Sump, Sewage and Grinder Pumps

Abstract: This session will discuss general and technical information on the selection and sizing of sump, sewage and grinder pumps in onsite waste treatment systems. Other topics include: pump capacity requirements; how flow is calculated and how it helps keep the force main clean; total dynamic head of the installation; different components and why each element is important in the functionality of the system design; solids-handling requirements; basin selection; and advantages and disadvantages of a simplex versus a duplex system. There will be a discussion of sizing pumps, including examples with appropriate charts and tables

Speaker: Deron Oberkorn is the Corporate Product Development Manager for the Zoeller Company. He supports six divisions worldwide in this area and oversees product line managers throughout. Zoeller Company headquarters are located in Louisville, Ky., and they design, machine and assemble potable and wastewater products that are sold in over 50 countries.

Oberkorn's background is in mechanical engineering; he also has an MBA and over 21 years of experience in the professional plumbing industry.

4:30 p.m. – 5:30 p.m.

Title: Ask the Experts Q & A (SSPMA Speaker Panel)