



Wisconsin POWTS Conference 2019

Agenda

Wednesday, February 27

- 8:00 *Registration and Continental Breakfast*
- 8:30 *Opening General Session (Combined with WI Commercial Building Code Refresher Conference)*
- Welcome and Announcements**
Joy Altwies, Ph.D., PE, Program Director, University of Wisconsin-Madison
- 9:00 **Wastewater 101 – What is it and how do we treat it?**
Not all wastewater is created equal. This presentation will describe the varying contaminants present in wastewater, the negative affect they have when not properly treated, and the laboratory measures used to quantify them. It will also discuss how household and commercial practices affect the characteristics.
Dr. Sara Heger – University of Minnesota
- 10:15 *Break*
- 10:30 **Wastewater Treatment as a Function of Soil Condition**
Ed Taylor - DSPS
- 12:00 *Buffet Lunch in the Main Hall (Combined with WI Commercial Building Code Refresher)*
- 1:00 **Aerobic or Anaerobic - Which one is better?**
Within most septic systems, both anaerobic and aerobic processes are used to treat the wastewater. This presentation will describe each oxygen state, discuss where each method is dominant and present a methodology to evaluate systems to determine if both processes are working properly.
Dr. Sara Heger – University of Minnesota
- 2:15 *Break*
- 2:30 **Shallow Treatment and Dispersal**
When systems are installed shallow, we maximize the oxygen available for treatment with the highest natural occurrence of micro-organisms including bacteria and fungi. The design treatment objectives will first be discussed highlighting research related to removal of chemicals of emerging concern and available microorganisms and oxygen with depth. Then installation issues will be highlighted focusing on projecting the natural soil conditions and minimizing compaction.
Dr. Sara Heger – University of Minnesota
- 4:00 *Adjourn*