

# Soils for Onsite Wastewater Treatment Online Workshop

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The Ohio State University

June 1 through October 14, 2020

## *Who Should Participate*

Registered sanitarians, soil scientists, sanitary engineers, installers and others who work on small and onsite wastewater treatment systems will benefit from these workshops. Be aware that each segment has homework and a final quiz. Participants must pass the quiz to receive the CEU certificate.

## *Registration*

\$200 per person for each segment. In addition, textbooks need to be purchased as hard copy or ebooks. List of textbooks is below.

## **Workshop Schedule**

### **Online Segment 1 – 6 hours Soil Depth and Vertical Separation Distance**

Starts June 1, 2020 (Must be completed by Oct. 14, 2020)

- Soil depth and onsite wastewater treatment
- Soil horizons
- Soil color
- Soil texture
- Soil structure and consistence
- Soil morphology's role in soil permeability
- Preparing the site for a soil description

### **Online Segment 2 – 6 hours Soils in the Landscape**

Starts June 1, 2020 (Must be completed by Oct. 14, 2020)

**[Must Complete Online Segment 1 before starting  
Online Segment 2]**

- Soil maps
- Suitability of Ohio soils to treat wastewater
- Soil topography
- Soil survey
- Electronic soil survey
- Site and soil assessment
- Researching soils on the site
- Conducting a visual assessment
- Estimating the extent of each soil
- Finding and mapping a suitable soil

## **Online Segment 3 – 6 hours**

### **Water and Soils**

Starts June 1, 2020 (Must be completed by Oct. 14, 2020)

**[Must Complete Online Segment 1 & 2 before starting  
Online Segment 3]**

- Site water balance
- Water tables and wastewater treatment
- Water movement through soil
- Soil chemistry
- Morphology of wet soils
- Soil color and mottles
- Landscape hydrology

Text books:

**Mussel Color Book** [http://www.forestry-suppliers.com/product\\_pages/Products.asp?mi=73221&itemnum=77321&title=Munsell%AE%20Soil%20Color%20Book](http://www.forestry-suppliers.com/product_pages/Products.asp?mi=73221&itemnum=77321&title=Munsell%AE%20Soil%20Color%20Book)

**Wetland Soils: Genesis, Hydrology, Landscapes and Classifications.** Vepraskas, M. and C. Craft. 2016. <https://www.crcpress.com/Wetland-Soils-Genesis-Hydrology-Landscapes-and-Classification-Second/Vepraskas-Craft/p/book/9781439896983>

**Suitability of Ohio Soils for Treating Wastewater.** Mancl, K. and B. Slater. OSU Extension Bull 896. <http://estore.osu-extension.org/Suitability-of-Ohio-Soils-for-Treating-Wastewater-P188.aspx>

**Site and Soil Evaluation for Onsite Wastewater Treatment.** Mancl, K. and B. Slater. OSU Extension Bulletin 905. <http://estore.osu-extension.org/Soil-and-Site-Evaluation-for-Onsite-Wastewater-Treatment-P457.aspx>

### *CEUs*

The Ohio Department of Health and the Sanitarian Registration Board have awarded 6 hours of continuing education credit per segment for sanitarians, installers, pumpers and service providers.

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## **Registration Online Soils for Onsite Wastewater Treatment - 2020**

### **Register for Online Segment 1- Soil Depth and Vertical Separation Distance**

At Cvent <https://go.osu.edu/soilsite20201>

### **Online Segment 2 - Soils in the Landscape**

At Cvent <https://go.osu.edu/soilsite20202>

### **Online Segment 3 Water and Soils**

At Cvent <https://go.osu.edu/soilsite20203>