

Controls

Module Perspective

1. What is the topic?
2. Who is (are) the audience(s)?
3. What is the course goal?
4. What are the learning objectives?
5. What are you trying to cover?
6. How do you plan to do this?
 1. The topic for this course module is Control systems for onsite system design.
 2. The audience of this course module is senior-level and graduate environmental engineering and environmental science students.
 3. The goal of this course module is to teach students the types of controls and their fundamental operation for controlling and monitoring onsite wastewater systems.
 4. After the course, the students will know the purposes and uses of controls used in onsite systems, the types of controls available for onsite systems, the properties and characteristics of the various controls and the most appropriate design uses for each type of control.
 5. The types of controls used in onsite systems, including Passive/fixed/built in controls, Operational/mechanical controls, Electro-mechanical automatic controls, electronic controls, Data collection devices used for managerial control, the relationships between control settings and onsite system operation and additional design consideration for each type of control.
 6. This course module includes a use of PowerPoint presentations, graphics, text, and an instructor's guide with design examples.