



Basic SSTS Endorsement Category Recommended Readings

Introduction to Onsite Systems

- ❖ Section 1- Introduction
 - How a septic system works
 - Random- cleaning up a sewage spill, odor issues, local programs
 - Communicating with homeowners
- ❖ Section 2- Administration
 - SSTS regulations framework
- ❖ Section 12- Soil Treatment Systems
 - pp. 1-16 How they work

Installing Onsite Systems

- ❖ Section 3- Sewage Treatment Utilizing Soil
 - p 31- Plastic Limit
- ❖ Section 6- Plumbing and Collection
- ❖ Section 7- Septic Tanks
 - pp. 21-31 Tank construction
 - pp. 31-39 Tank installation
 - pp. 50-51 Tank abandonment
- ❖ Section 9- Pumping Systems
 - pp. 1-15 Applications, tanks and pumps
 - pp. 24-30 Installation practices
- ❖ Section 11- Distribution of Effluent
 - pp. 1-8 Installing gravity
 - pp. 19-26 Level pressure
 - pp. 32-33 Installing non-level pressure
 - pp. 41-42 Installing drip distribution
- ❖ Section 12- Soil Treatment Systems
 - pp. 50-59 Installing soil treatment areas
 - pp. 73-79 Landscaping septic systems

Maintaining Onsite Systems

- ❖ Section 7- Septic Tanks
 - pp. 39-41 Cleaning a tank
- ❖ Section 8- Tank Management and Land Application
- ❖ Section 9- Pumping Systems
 - pp. 31-34 Troubleshooting

Designing Onsite Systems

- ❖ Section 4- Site Evaluation
 - pp. 1-31 Preliminary and field evaluation
 - pp. 44-54 Reporting requirements & Types II-V systems
- ❖ Section 5- Wastewater Sources and Flows
- ❖ Section 7- Septic Tanks
 - pp. 3-18 Tank design options
 - pp. 52-65 Holding tanks, privies and graywater systems
- ❖ Section 9- Pumping Systems
 - pp. 16-23 Selecting pumps and sizing the pump tank
- ❖ Section 11- Distribution of Effluent
 - pp. 9-19 Drop box design
 - pp. 26-32 Design of pressure distribution
 - pp. 34-41 Design of drip distribution
- ❖ Section 12- Soil Treatment Systems
 - pp. 17- 78 Examples & design basis for below, at, and above grade
- ❖ Section 13- Forms and Reference
 - Check <http://septic.umn.edu> frequently (monthly) for updates

Soils

- ❖ Section 3- Sewage Treatment Utilizing Soil
- ❖ Section 4- Site Evaluation
 - pp. 32-44 Soils' impacts on SSTS Design

Inspecting Onsite Systems

- ❖ Section 6- Plumbing and Collection
 - pp. 26-27 Troubleshooting collection
- ❖ Section 7 – Septic Tanks
 - pp. 39-52 Tank inspection and troubleshooting
 - pp. 57-60 Holding tank and privy O&M
- ❖ Section 9 – Pumping Systems
 - pp. 31-35 Pump and pump tank O&M, inspection
- ❖ Section 12- Soil Treatment Systems
 - pp. 59-79 Inspecting soil treatment areas

