

ONSITE WASTEWATER SYSTEMS 101

Michigan Onsite Wastewater Training and Education Center
12 Mile Road. at Meadowbrook in Novi

March 25 & 26, 2003 or August 19 & 20, 2003

This two day program is designed for professionals working in the field of onsite wastewater treatment and dispersal. The program is designed to meet the needs of installation contractors, sanitarians, system designers, and others who work in this field. It will improve the skills needed in your job. The course provides a basic understanding of the functional characteristics of conventional septic systems and alternatives that are commonly used in Michigan. Fully one third of the class is conducted in a field laboratory setting where participants will see and have hands-on experience with hydraulically functional actual size system components. Dress appropriately for the anticipated weather conditions so that you will be comfortable being outside for an hour or more at a time. After taking the class, you will have increased understanding of how onsite systems function.

Course instructors are **Ted Loudon**, P.E., Professor and Extension Agricultural Engineer at MSU, **Ron Lindsay**, Onsite System Consultant and Maintenance Specialist with Milan Engineered Systems, and **Del Mokma**, Professor and Extension Specialist in Soil Science at MSU. Others may take part, depending on availability. Ted Loudon has over 20 years practical experience in education and applied research related to onsite and decentralized wastewater treatment systems. He is recognized for his research work related to cold climate performance of sand filters and shallow soil absorption systems and is involved in both state and national efforts to further improve practice in onsite wastewater treatment. Ron Lindsay is recognized as the most knowledgeable person in Michigan in alternative onsite system trouble shooting and maintenance. Del Mokma teaches academic courses in soil classification and has extensive research based experience in soil and site evaluation for onsite wastewater treatment systems.

First Day - March 25 or August 19 (9:00 a.m. - 5:00 p.m.)

- Septic tanks and effluent filters (with field illustrations)
- Gravity and Pressure distribution systems (with field illustrations)
- Wastewater characteristics and strength
- Soils and site evaluation refresher
- Water movement and wastewater treatment in soils

Second Day - March 26 or August 20 (9:00 a.m. - 3:30 p.m.)

- Previous day review and discussion
- Soil absorption system options and selection criteria
- Pump selection and pump chambers (hands on field illustrations)
- Mounds and sand filters (with field illustrations)
- Aerobic treatment units (with field illustrations)

If you are unable to attend the seminar on March 25 & 26 and wish to attend in the fall and would like a reminder email, please email Barb DeLong at delong24@msu.edu to be added to added to the email reminder list.

**The University is committed to providing equal opportunity for participation in all programs, services, and activities. Individuals with disabilities requiring accommodation should register with MSU Resource Center for Persons with Disabilities well in advance of the seminar dates to ensure sufficient time for registration and arrangement of needed accommodations. Late requests received will be met when possible. MSU is an affirmative action/equal opportunity employer*

REGISTRATION

Onsite Wastewater Systems Workshop 101

***March 25 & 26, 2003 or
August 19 & 20, 2003***

Make check payable to **Michigan State University** at **\$175 per person. \$150 for members of MOWRA, MEHA or MSTA, just send us a copy of your 2003 membership card or receipt.** Fee includes technical materials and lunch for two days. Payment must be included with registration form. No invoicing. **Registration & fee due one (1) week prior to workshop. Cancellation Policy:** Up to 3 days prior to workshop - full refund less a \$25 administrative fee. No refunds after this time.

Name _____

Workshop Date _____

Name _____

Workshop Date _____

Company _____

Address _____

City/Zip _____

Phone () _____

Fax () _____

Email _____

Please return registration form and check to:

Michigan State University

Attn: Barb DeLong

216 Farrall Hall

East Lansing, MI 48824-1323

Phone: (517) 355-4720

Fax: (517) 432-2892

Do not delay. Limited enrollment. Confirmation and map sent upon receipt of registration.