



P.O. Box 2570 (443) 267-0098 (fax)
Ellicott City, MD 21041-2570

Course Announcement & Registration

ADVANCED OSDS DESIGN WORKSHOP

This three-day workshop was developed by the National Onsite Wastewater Recycling Association (NOWRA) on behalf of MOWPA to train Environmental Health Specialists (Sanitarians), engineers, soil scientists, and other related professionals on how to properly design non-conventional soil absorption systems in the State of Maryland. The primary areas of focus will be on the design of:

- sand mounds;
- at-grade mounds;
- shallow low pressure pipe; and
- drip dispersal.

The workshop will include an overview of how they work, how they are permitted in Maryland and complete design guidance for each type of system. Attendees will work through specific design examples in class, and receive hands-on training on how to lay a system out in the field.

The workshop will take place over two-consecutive days, with the third and final day of training taking place approximately one week later. Successful completion of the workshop will require attendees to complete the take-home design examples as well pass a final exam that will consist of designing a non-conventional OSDS on their own.

Prerequisites - This course is intended for sanitarians, engineers, designers and regulators within the onsite wastewater industry. It is highly recommended that participants have previous experience in interpreting soils for onsite sewage dispersal and conventional OSDS design.

Instructors:

Dick Otis, PhD, P.E., BCEE, Otis Environmental Consultants, LLC
Bob Mayer P.E., Founder, President, American Manufacturing Company, Inc.
Hilary Valentine, Department Head, Delaware Technical Community College.
Tom Ashton, REHS, LPSS, AOSE, American Manufacturing Company, Inc.
Barry Glotfelty, LEHS, Chief, Onsite Systems Division, MDE

Dates: July 8,9, and 23, 2014

Location: Baltimore County Agricultural Center
1114 Shawan Rd, Hunt Valley MD 21030



Advanced OSDS Design Workshop Attendee Registration Form

Dates: July 8, 9, and 23, 2014

Location: Baltimore County Agricultural Center
1114 Shawan Rd, Hunt Valley MD 21030

Registration Deadline: June 25, 2014. Note: the course requires at least 12 registered attendees at least 2 weeks prior to course date and will be limited to the first 25 registrants.

Registration for this course requires a current FY2015 MOWPA membership. Please limit one registration form per attendee.

Registration Fees: Please check the appropriate payment being submitted:

Are you a current FY2015 MOWPA Member? ___ Yes ___ No

A) If "No", you must include membership payment for each attendee(s):

MOWPA Membership	\$ 95.00	_____
Or MOWPA Associates Membership*	\$25.00	_____

**Associate members cannot be the first or only member of their company or organization. It's recommended that the owner or manager of their respective company or organization be the main MOWPA Member at \$95.*

B) **Fee for Advanced OSDS Design Workshop:** **\$400.00** _____

(includes continental breakfast and lunch for 3 days)

Company/Organization _____

Attendee Name _____

Address _____

Telephone _____ Fax _____

Email _____ Amount Included w/registration _____

PAYMENT INFORMATION - Mail completed registration form and payment in full to:

MOWPA, P. O. Box 2570 • Ellicott City, MD 21041-2570

Fax- (443) 267-0098; Email: info@mowpa.org; Inquiries: Natalie (443) 570-2029

This course has been submitted the Maryland Board of Environmental Health Specialists and the Maryland Board of Professional Engineers for 22.5 contact hours.

For additional registration forms and payment by credit card, visit: www.mowpa.org

MOWPA Federal Tax ID # 20-2130265



P.O. Box 2570 Ellicott City, MD 21041
 Phone 443-570-2029 FAX 443-267-0098

Advanced OSDS Design Workshop Overview

<p><u>Day 1 (July 8, 2014)</u></p> <p>7:30 a.m. Registration and Check-in</p> <p>8:00 a.m. Course Introduction – Bob Mayer 8:05 a.m. Maryland Regulations - Barry Glotfelty</p> <p>9:00 a.m. Intro to Soils – Dick Otis</p> <p>9:45 a.m. Break</p> <p>10:00 Making Decisions – Dick Otis Infiltration and Contours Treatment Technologies Design Examples</p> <p>12:30 p.m. Lunch (provided on site)</p> <p>1:00 p.m. Hydraulics – Hilary Valentine Time Dosing</p> <p>3:00 p.m. Break</p> <p>3:15 p.m. Soil Dispersal System Comparison - Dick Otis</p> <p>4:45 p.m. Conclude Day 1</p> <p><u>DAY 2 (July 9, 2014)</u></p> <p>7:30 a.m. Registration and Check-in</p> <p>8:00 a.m. Soil Loading Rates – Tom Ashton</p> <p>9:30 a.m. Break</p> <p>9:45 a.m. Differential Leveling (in the field) - Tom Ashton</p> <p>12:30 p.m. Lunch (provided on site)</p>	<p><u>Day 2 (July 9, 2014 Continued)</u></p> <p>1:00 p.m. Designing Mounds and At-Grade Systems – Hilary Valentine</p> <p>2:30 p.m. Designing Pressure Distribution Systems- Tom Ashton</p> <p>3:00 p.m. Break</p> <p>3:15 p.m. Designing Drip Systems – Bob Mayer</p> <p>4:14 p.m. Homework Assignment</p> <p>4:30 p.m. Conclude Day 2</p> <p><u>Day 3 (July 23, 2014)</u></p> <p>7:30 a.m. Registration and Check-in</p> <p>8:00 a.m. Review Homework – Hilary Valentine/Bob Mayer</p> <p>9:30 a.m. Break</p> <p>9:45 a.m. Review Homework – Hilary Valentine/Bob Mayer</p> <p>12:00 p.m. Lunch (provided on site)</p> <p>12:30 p.m. EXAM</p> <p style="text-align: center;">Each attendee will be given a design problem similar to the homework assignments. Workshop Completion Certificates will only be issued to attendees that demonstrate through their design submission that they can complete an acceptable non-conventional OSDS design.</p> <p>4:30 p.m. Class Concludes</p>
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