

# University of Minnesota Onsite Sewage Treatment Program 2012 Certification Classes and Continuing Education

Training professionals and the public in safe, cost-effective and environmentally sound wastewater treatment practices since 1973.



Water Resources Center

UNIVERSITY OF MINNESOTA

**Driven to Discover<sup>SM</sup>**

## Onsite Sewage Treatment Program We're experts in the field... and in the classroom



More than 500,000 Minnesotans depend on septic systems for the safe and effective treatment of their household wastewater. As a Subsurface Sewage Treatment Systems (SSTS) professional, you can depend on the Onsite Sewage Treatment Program (OSTP) experts for first class training that ensures regulatory compliance, as well as systems that are safe, cost-effective, and good for the environment.

In a partnership with the Minnesota Pollution Control Agency (MPCA), OSTP trains Minnesota professionals in the most up-to-date design, installation, maintenance, and inspection techniques and requirements.

As the state's leading onsite sewage treatment training program, we reach more than 2,500 SSTS professionals each year through pre-certification courses, continuing education workshops, and technical assistance. Our University of Minnesota-certified trainers aren't just seasoned professionals—they're highly engaging educators, practitioners, and researchers that strive to make your experience both memorable and fun.

OSTP also conducts research on septic systems and water quality and offers technical assistance and information to homeowners, associations, community leaders and real estate agents throughout the state. Visit [septic.umn.edu](http://septic.umn.edu) for details on our full range of education offerings.

Enroll online at: [septic.umn.edu](http://septic.umn.edu)

OSTP • 173 McNeal Hall, 1985 Buford Ave., St Paul, MN 55108 • Phone: 800-322-8642 • Fax: 612-624-6434

# Commonly asked questions about SSTS licensing and certification

To help you navigate the complexities of SSTS licensing and certification, here's a list of some commonly asked questions. Visit "SSTS Professionals" at [septic.umn.edu](http://septic.umn.edu) for more detailed information and a list of the appropriate MPCA or OSTP contacts to address your questions.

## Who needs a Subsurface Sewage Treatment Systems license?

All private businesses in Minnesota that design, install, maintain, inspect and service subsurface sewage treatment systems must be licensed with the MPCA. Licenses must be renewed every year and proof of insurance, proof of an SSTS Surety Bond and an annual fee are required. For licensing details visit [www.pca.state.mn.us](http://www.pca.state.mn.us) and search for SSTS.

## Who must be certified?

Minnesota law requires that at least one employee with each MPCA-licensed subsurface sewage treatment system business be certified in each of the business' areas of specialty. Additionally, individuals who work for state, county, township or city government whose duties include overseeing subsurface sewage treatment systems must also receive certification.

## What kind of certification do I need?

Certification ranges from installer, maintainer, service provider, designer, advanced designer, inspector and advanced inspector. Here's an at-a-glance look at the type of training you'll need:

## What's involved in certification?

Depending on the septic system work you're doing, the state's certification process requires a combination of training, examination, observation, hands-on mentored experience, and continuing education and periodic license renewal. OSTP offers multiple workshops each year to help you meet the training and continuing education requirements of each certification level. Details about the entire process and an application are available by searching for "SSTS" at: [www.pca.state.mn.us](http://www.pca.state.mn.us)

### Continuing education requirements for SSTS certifications

Specialty area	Required Continuing Education
Installer, Service Provider	12 credit hours, at least 6 direct
Maintainer	12 credit hours, at least 6 direct OR 9 hours specifically related to pumping SSTS and/or land application
Designer Advanced Designer Inspector Advanced Inspector	18 credit hours, at least 6 of specially approved field soils, at least 3 additional direct

### Training and specialty area certification requirements

To do this type of work	You need this type of training (Pre-Certification Workshop)	And certification in this specialty area
Installation	Introduction, Installing	Installer
Tank cleaning, tank repairs, portable toilets & septage management	Introduction, Maintaining	Maintainer
System assessment, system adjustments, trouble-shooting and system repairs	Introduction, Service Provider	Service Provider
Design of Type I – Type III systems <2,500 gpd	Introduction, Installing, Designing, Soils	Designer
Design of Type I – Type V systems <10,000 gpd	Introduction, Installing, Designing, Soils, Advanced Design-Inspection I & II	Advanced Designer
Inspection of Type I – Type III systems <2,500 gpd	Introduction, Installing, Designing, Inspecting, Soils	Inspector
Inspection of Type I – Type V systems <10,000 gpd	Introduction, Installing, Designing, Soils, Inspecting, Service Provider, Advanced Design-Inspection I & II	Advanced Inspector

**When should I contact the MPCA?**  
MPCA SSTS staff can answer questions about your business license, professional certification, state rule interpretation, local ordinance assistance, and business complaints. Phone 800-657-3864, 651-296-6300 or email [ssts-info.pca@state.mn.us](mailto:ssts-info.pca@state.mn.us)

## When should I contact the U of MN OSTP?

OSTP staff can answer questions about workshops, publications, soils, design forms, research, small community issues, and technical assistance. Phone 800-322-8642 or email [septic@umn.edu](mailto:septic@umn.edu)

Enroll online at: [septic.umn.edu](http://septic.umn.edu)

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# 2012 OSTP Certification Course Descriptions and Offerings

## Introduction to Onsite Systems (15 Direct Credits)

Fee: \$300 Exam: Yes

This 15-hour workshop is the foundation for all SSTS certification courses and is best completed prior to the other workshops. It prepares people for the Basic exam and provides an overview of onsite treatment options and concepts. Enrollment in this workshop includes a copy of the Manual for SSTS Professionals in Minnesota.

### Topics include:

- tanks
- pump selection
- site evaluation
- system maintenance
- program administration
- soil treatment systems
- flows and characteristics

101	St. Cloud Territory Golf Club	2/6-8/2012	Deadline: 1/23/2012
102	Farmington Regional Extension Office	3/19-21/2012	Deadline: 3/5/2012
103	Cloquet Forestry Center	4/2-4/2012	Deadline: 3/19/2012

## Installing Onsite Systems (12 Direct Credits)

Fee: \$225 Exam: Yes

This 12-hour workshop prepares attendees for the Installer exam and provides information about proper installation practices. PREREQUISITE: Introduction to Onsite Systems

### Topics include:

- construction planning
- construction practices
- tools for installing
- pipelayer certification

1121	St. Cloud Territory Golf Club	2/9-10/2012	Deadline: 1/26/2012
1122	Farmington Regional Extension Office	3/22-23/2012	Deadline: 3/8/2012
1123	Cloquet Forestry Center	4/5-6/2012	Deadline: 3/22/2012

## Basic Design of Onsite Systems (15 Direct Credits)

Fee: \$255 Exam: Yes

This 15-hour workshop teaches attendees to properly design various septic systems in preparation for the Basic Designer exam. Enrollees must have the current manual to use during the workshop. Onsite Manuals are available for \$40. PREREQUISITE: Introduction to Onsite Systems

### Topics include:

- flow determination
- system design
- tank design and dosing
- pumps and pressure design

201	Brainerd – Crow Wing Co. Land Services Bldg.	4/11-13/2012	Deadline: 3/28/2012
202	Farmington Regional Extension Office	5/22-24/2012	Deadline: 5/8/2012

## Advanced Design and Inspection of Onsite Systems – I (18 Direct Credits)

Fee: \$375 Exam: No

This 18-hour classroom course provides an introduction to the concepts required to design onsite systems with advanced treatment, multiple sources, or high-strength waste flows. This course is required to enroll in Advanced Design – II. Prior attendance at the three-day OSTP Design training is recommended. Enrollment in this workshop includes copies of the MPCA Design Guidance. PREREQUISITE: Full Certification as a Basic Designer or Inspector

### Topics include:

- type IV systems
- MPCA design guidance
- cluster site assessment
- collection systems

281	St. Cloud Territory Golf Club	3/7-9/2012	Deadline: 2/22/2012
282	Mankato Best Western	9/25-27/2012	Deadline: 9/11/2012

## Advanced Design and Inspection of Onsite Systems – II (21 Direct Credits)

Fee: \$400 Exam: Yes

This 21-hour course includes a field portion and focuses on the application of the design concepts taught in session I. This course further explores high strength waste, site assessment techniques,

and prepares participants for the Advanced Design exam.

PREREQUISITE: Full Certification as a Basic Designer or Inspector

291	St. Cloud Territory Golf Club	4/24-27/2012	Deadline: 4/10/2012
292	Mankato Best Western	10/23-26/2012	Deadline: 10/9/2012

## Inspecting Onsite Systems (12 Direct Credits)

Fee: \$225 Exam: Yes

This 12-hour workshop identifies Minnesota requirements for existing and new system inspections and prepares participants for the Inspector exam. PREREQUISITE: Introduction to Onsite Systems.

### Topics include:

- administrative requirements
- existing system inspection
- new system inspection
- tools and procedures

301	St. Cloud Territory Golf Club	6/5-6/2012	Deadline: 5/22/2012
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## Maintaining Onsite Systems (15 Direct Credits)

Fee: \$255 Exam: Yes

This 15-hour workshop gives participants an overview of system management, the federal requirements for land application of septage, and prepares people for the Maintainer exam. PREREQUISITE: Introduction to Onsite Systems

### Topics include:

- land application rates
- maintaining systems
- system repairs
- record keeping
- soil survey use

4151	Brainerd – Crow Wing Co. Land Services Bldg.	3/14-16/2012	Deadline: 2/29/2012
4152	Mankato Best Western	4/30-5/2/2012	Deadline: 4/16/2012

## Service Provider (21 Direct Credits)

Fee: \$450 Exam: Yes

This 21-hour workshop prepares attendees for the Service Provider exam and offers an in-depth look into the care of all system types. This course is based on the National O&M Service Provider materials and will include a field component. It is intended for system maintainers, designers or MPCA certified operators who need training for soil-based system management. PREREQUISITE: Introduction to Onsite Systems

### Topics include the management of:

- soil treatment areas
- media filters
- cluster systems
- aerobic treatment units
- drip dispersal
- septic tanks

491	Mankato Best Western	5/1-4/2012	Deadline: 4/17/2012
492	St. Cloud Territory Golf Club	8/21-24/2012	Deadline: 8/7/2012

## Maintainer/Service Provider Combo (27 Direct Credits)

Fee: \$560 Exams: Yes

This 27-hour workshop is for SSTS Professionals that want certification in both the Maintainer and Service Provider categories. Save time and money by taking this offering!

4271	Mankato Best Western	4/30-5/4/2012	Deadline: 4/16/2012
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## Soils (15 Direct Credits)

Fee: \$255 or \$420 with Munsell Color Guide Exam: Yes

This 15-hour workshop prepares attendees for the Soils exam and provides participants with a detailed understanding of how particular soils affect the treatment of sewage. Participants will also receive instruction at a field location. Munsell Color Guides are available for \$165. PREREQUISITE: Introduction to Onsite Systems

### Topics include:

- percolation testing
- field evaluations
- soil characteristics
- soil survey use

5151	Grand Rapids Sawmill Inn	5/30-6/1/2012	Deadline: 5/16/2012
5152	Rochester Clarion Inn	6/19-21/2012	Deadline: 6/5/2012

Enroll online at: [septic.umn.edu](http://septic.umn.edu)

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# 2012 OSTP Continuing Education Course Descriptions and Offerings

## Installer Continuing Education (12 Direct Credits)

Fee: \$200 Exam: No

This 12-hour workshop will meet the continuing education requirements for any registration but is specifically tailored for Installers. All information will be provided from the perspective of a system installer:

- construction safety
- pumps and dosing
- keys to proper installation
- rule change implications

691	Rochester Clarion Inn	1/09-10/2012	Deadline: 12/26/2011
692	Bemidji State University	2/22-23/2012	Deadline: 2/8/2012
693	Brainerd – Crow Wing Co. Land Services Bldg.	11/28-29/2012	Deadline: 11/14/2012

## Pipelayer Certification (2 Direct Credits, 1 Related Credit)

Course begins at 1:00PM

Fee: \$75 or \$35 as add-on to enrollment in Installer CE

Exam: Yes

This three-hour workshop is once again offered this year to accommodate a change in the Minnesota Plumbing Code that requires all septic system installers be either certified pipelayers, licensed plumbers, or registered apprentices in order to install sewer or water service pipes outside of a building in Minnesota.

Topics include:

- MN Plumbing Code
- Code compliance bond packet instruction
- pipelaying

921	Rochester Clarion Inn	1/10/2012	Deadline: 12/27/2011
922	Bemidji State University	2/23/2012	Deadline: 2/9/2012
923	Brainerd – Crow Wing Co. Land Services Bldg.	11/29/2012	Deadline: 11/15/2012

## Solutions for Difficult Sites Continuing Education (12 Direct Credits)

Fee: \$200 Exam: No

This 12-hour workshop will focus on the appropriate use of technology in managing wastewater on difficult sites. Proprietary product representatives are invited to discuss their registered products.

Topics include:

- operating permits
- pretreatment units
- high strength waste
- soil treatment specifications

681	St. Cloud Territory Golf Club	3/27-28/2012	Deadline: 3/13/2012
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## General Continuing Education (12 Direct Credits)

Fee: \$200 Exam: No

This 12-hour workshop is designed to meet the continuing education requirement for SSTS professional registration. The topics will be varied to give a wide range of information for SSTS professionals.

Topics include:

- rule change implications
- working on difficult sites
- pressure distribution
- before and after flooding

601	Cloquet Forestry Center	1/17-18/2012	Deadline: 1/3/2012
602	Willmar Holiday Inn	3/5-6/2012	Deadline: 2/20/2012
603	St. Cloud Territory Golf Club	12/5-6/2012	Deadline: 11/21/2012
604	Mankato Best Western	12/12-13/2012	Deadline: 11/28/2012

## Maintainer Continuing Education (12 Direct Credits)

Fee: \$200 Exam: No

This 12-hour workshop is specifically designed as continuing education for those involved in maintaining septic systems.

Topics include:

- 503 regulations
- system operation
- troubleshooting
- other establishments

461	Brainerd – Crow Wing Co. Land Services Bldg.	3/29-30/2012	Deadline: 3/15/2012
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## Soils Continuing Education (6 Soils-specific Direct Credits)

Fee: \$200 or \$365 with Munsell Color Guide Exam: No

This six-hour course couples classroom and field training to meet soils-specific MPCA continuing educational requirements for designers and inspectors. Munsell Color Guides are available for \$165.

Topics include:

- regional geology and soils
- soils observations
- local soil hydrology information
- system siting and design

551	Rushford Village Community Center	6/7/2012	Deadline: 5/24/2012
552	Detroit Lakes Holiday Inn	6/14/2012	Deadline: 5/31/2012
553	St. Cloud Territory Golf Club	6/27/2012	Deadline: 6/13/2012
554	Willmar Holiday inn	8/7/2012	Deadline: 7/24/2012
555	New Ulm Holiday inn	8/10/2012	Deadline: 7/27/2012
556	Mountain Iron Community Center	9/13/2012	Deadline: 8/30/2012
557	Red Wing – Goodhue County Law Enforcement Center	10/2/2012	Deadline: 9/18/2012

## Design Continuing Education (6 Direct Credits)

Fee: \$150 Exam: No

This six-hour workshop is designed to meet the continuing education requirement of SSTS professional certification. The course is tailored specifically to certified designers and focuses on both basic and advanced design concepts.

Topics include:

- rule change implications
- SSTS and flooding
- management plans
- design forms

261	Alexandria – Douglas County Public Works Bldg.	4/18/2012	Deadline: 4/4/2012
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## Inspector Continuing Education (6 Direct Credits)

Fee: \$150 Exam: No

This six-hour workshop will focus on the challenges that both public and private SSTS inspectors face.

Topics include:

- Minnesota policy
- operating permits
- management plans
- inspection forms

361	Alexandria – Douglas County Public Works Bldg.	4/19/2012	Deadline: 4/5/2012
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## Design/Inspector Continuing Education (12 Direct Credits)

Fee: \$210 Exam: No

Earn 12 hours of continuing education by attending both one-day workshops focusing on improving your skills as a Designer and Inspector. Pay a reduced rate and attend both days!

261	Alexandria – Douglas County Public Works Bldg.	4/18-19/2012	Deadline: 4/4/2012
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## Sampling Onsite Systems (6 Direct credits)

Fee: \$150 Exam: No

This six-hour course goes into depth about why and how to sample septic tank and pretreatment unit effluent. Sampling is an indicator of system performance and is often required as a part of meeting management plan or operating permit stipulations. Course includes real sampling for a variety of system types.

Topics include:

- storage hold times
- when, where, and how to take samples
- chain of custody

721	Cloquet Forestry Center	9/6/2012	Deadline: 8/23/2012
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# Enroll online, via fax or by mail

Enroll online at [septic.umn.edu](http://septic.umn.edu) or fill out the attached enrollment form and fax it to 612-624-6434 or mail it to OSTP, University of Minnesota Water Resources Center, 173 McNeal Hall – 1985 Buford Ave, St. Paul, MN 55108 with payment.

A detailed confirmation will be mailed to your address. The confirmation notice will include classroom location and map, start times, what to bring to the workshop, and a receipt of payment.

Workshop enrollments are accepted on a first-come, first-served basis. Seats at workshops are limited and are only reserved if your fee accompanies the enrollment form. Enrollments are not accepted over the telephone or email.



Next page for enrollment form

## Late fees, substitutions and cancellations

If you enroll beyond the course deadline, a mandatory \$40 late fee will be automatically added to your workshop price.

A \$20 substitution, transfer, or cancellation fee will be charged for each change to the enrollment. Substitutions, transfers, or cancellations must be received in writing by OSTP one business day prior to the workshop. Partial refunds are only issued for cancellations received in writing before the workshop begins.

In the rare event a course is cancelled, OSTP will issue a full refund. Courses are not cancelled due to inclement weather. Drive safely and plan ahead.

Attendance is required at all sessions of each workshop to receive a Certificate of Attendance. OSTP will forward your completed certificate to the Minnesota Pollution Control Agency.



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# Onsite Sewage Treatment Program 2012 Certification Classes and Continuing Education

Visit [septic.umn.edu](http://septic.umn.edu) for easy online registration. Enroll early - registration is limited. Print legibly and use one form per person. All courses begin at 8 a.m. unless otherwise noted.

## Pre-Certification Courses

**INTRODUCTION TO ONSITE SYSTEMS \$300 (includes manual)**  
 101 St. Cloud 2/6-8/2012 Deadline: 1/23/2012  
 102 Farmington 3/19-21/2012 Deadline: 3/5/2012  
 103 Cloquet 4/2-4/2012 Deadline: 3/19/2012

**INSTALLING ONSITE SYSTEMS \$225**  
 1121 St. Cloud 2/9-10/2012 Deadline: 1/26/2012  
 1122 Farmington 3/22-23/2012 Deadline: 3/8/2012  
 1123 Cloquet 4/5-6/2012 Deadline: 3/22/2012

**BASIC DESIGN OF ONSITE SYSTEMS \$255**  
 201 Brainerd 4/11-13/2012 Deadline: 3/28/2012  
 202 Farmington 5/22-24/2012 Deadline: 5/8/2012

**ADVANCED DESIGN AND INSPECTION – I \$375**  
 281 St. Cloud 3/7-9/2012 Deadline: 2/22/2012  
 282 Mankato 9/25-27/2012 Deadline: 9/11/2012

**ADVANCED DESIGN AND INSPECTION – II \$400**  
 291 St. Cloud 4/24-27/2012 Deadline: 4/10/2012  
 292 Mankato 10/23-26/2012 Deadline: 10/9/2012

**INSPECTING ONSITE SYSTEMS \$225**  
 301 St. Cloud 6/5-6/2012 Deadline: 5/22/2012

**MAINTAINING ONSITE SYSTEMS \$255**  
 4151 Brainerd 3/14-16/2012 Deadline: 2/29/2012  
 4152 Mankato 4/30-5/2/2012 Deadline: 4/16/2012

**SERVICE PROVIDER \$450 (includes CIDWT O/M Manual)**  
 491 Mankato 5/1-4/2012 Deadline: 4/17/2012  
 492 St. Cloud 8/21-24/2012 Deadline: 8/7/2012

**MAINTAINER-SERVICE PROVIDER COMBO \$560**  
 4271 Mankato 4/30-5/4/2012 Deadline: 4/16/2012

**SOILS \$255/\$420 with Munsell**  
 5151 Grand Rapids 5/30-6/1/2012 Deadline: 5/16/2012  
 5152 Rochester 6/19-21/2012 Deadline: 6/5/2012

By completing this form, you agree to OSTP enrollment policies:  
<http://septic.umn.edu/events/generalinfo/index.htm>  
 Payment is required to reserve a spot in any course.

All checks are payable to: University of Minnesota  
 Confirmation with instructions will be mailed to your address.  
 Questions? Call 800-322-8642

## Continuing Education Courses

**INSTALLER CE \$200**  
 694 Brainerd 12/7-8/2011 Deadline: 11/23/2011  
 691 Rochester 1/09-10/2012 Deadline: 12/26/2011  
 692 Bemidji 2/22-23/2012 Deadline: 2/8/2012  
 693 Brainerd 11/28-29/2012 Deadline: 11/14/2012

**PIPELAYER CERTIFICATION – 3 HR 1:00 PM START \$35/\$75**  
 924 Brainerd 12/8/2011 Deadline: 11/24/2011  
 921 Rochester 1/10/2012 Deadline: 12/27/2011  
 922 Bemidji 2/23/2012 Deadline: 2/9/2012  
 923 Brainerd 11/29/2012 Deadline: 11/15/2012

**SOLUTIONS FOR DIFFICULT SITES CE \$200**  
 681 St. Cloud 3/27-28/2012 Deadline: 3/13/2012

**GENERAL CE \$200**  
 605 St. Cloud 11/30-12/1/2011 Deadline: 11/16/2011  
 606 Mankato 12/13-14/2011 Deadline: 11/29/2011  
 601 Cloquet 1/17-18/2012 Deadline: 1/3/2012  
 602 Willmar 3/5-6/2012 Deadline: 2/20/2012  
 603 St. Cloud 12/5-6/2012 Deadline: 11/21/2012  
 604 Mankato 12/12-13/2012 Deadline: 11/28/2012

**MAINTAINER CE \$200**  
 461 Brainerd 3/29-30/2012 Deadline: 3/15/2012

**SOILS CE \$200/\$365 with Munsell**  
 551 Rushford Village 6/7/2012 Deadline: 5/24/2012  
 552 Detroit Lakes 6/14/2012 Deadline: 5/31/2012  
 553 St. Cloud 6/27/2012 Deadline: 6/13/2012  
 554 Willmar 8/7/2012 Deadline: 7/24/2012  
 555 New Ulm 8/10/2012 Deadline: 7/27/2012  
 556 Mountain Iron 9/13/2012 Deadline: 8/30/2012  
 557 Red Wing 10/2/2012 Deadline: 9/18/2012

**DESIGN CE \$150**  
 261 Alexandria 4/18/2012 Deadline: 4/4/2012

**INSPECTOR CE \$150**  
 361 Alexandria 4/19/2012 Deadline: 4/5/2012

**DESIGN CE-INSPECTOR CE COMBO \$210**  
 825 Alexandria 4/18-19/2012 Deadline: 4/4/2012

**SAMPLING ONSITE SYSTEMS \$150**  
 721 Cloquet 9/6/2012 Deadline: 8/23/2012

Total for selected workshops:	\$ _____
Late fee (\$40 per workshop):	\$ _____
Updated Manual (\$40):	\$ _____
<small>A manual is provided with enrollment in the Introduction to Onsites; Only purchase one if you want the 2011 version (purple cover).</small>	
<b>Total Amount Due:</b>	<b>\$ _____</b>
Please check one:	
<input type="checkbox"/> Continuing Education	<input type="checkbox"/> Pre-Certification

1. NAME \_\_\_\_\_  
Please Print First Middle Initial Last

2. PREFERRED CONTACT ADDRESS \_\_\_\_\_

3. CITY \_\_\_\_\_ 4. STATE \_\_\_\_\_ 5. ZIP \_\_\_\_\_

6. COMPANY \_\_\_\_\_

7. PHONE ( ) \_\_\_\_\_ 8. FAX ( ) \_\_\_\_\_ 9. EMAIL \_\_\_\_\_

10. PAYMENT OPTION (Select One):  Check or Money Order  Local Government PO attached  Major Credit Card

CARDHOLDER NAME \_\_\_\_\_ BILLING ZIP CODE \_\_\_\_\_

CARD NUMBER \_\_\_\_\_ EXP. DATE \_\_\_\_\_ X \_\_\_\_\_

Cardholder Signature - Required

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### 2011 Manual For Septic System Professionals in Minnesota

The state's official training and certification manual produced by the University of Minnesota Onsite Sewage Treatment Program is available for downloading free of charge at [septic.umn.edu/sstsmanual](http://septic.umn.edu/sstsmanual). Print copies are periodically updated and are available for \$40 at all OSTP workshops or online: <http://shop.extension.umn.edu>; search for item #08650.

## University of Minnesota Onsite Sewage Treatment Program 2012 Certification Classes and Continuing Education

Training professionals and the public in safe, cost-effective and environmentally sound wastewater treatment practices since 1973.

The Onsite Sewage Treatment Program is delivered by the University of Minnesota Water Resources Center which provides leadership in freshwater management through cutting-edge research, educational opportunities for students and professionals, and community outreach.

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