Pennsylvania
Decentralized Wastewater
Conference and Trade Show
January 19-20, 2015

NEW LOCATION!
Holiday Inn Harrisburg East
4751 Lindle Road, Harrisburg PA 17111

Brought to you by:

ENVIRONMENTAL RESPONSIBILITY
INTEGRITY
MANAGEMENT ASSOCIATION
REGULATORY COMPLIANCE
ETHICS
Pennsylvania Septage
Founded 1986

REGISTER ON-LINE
at www.PSMA.net
JOIN FELLOW PROFESSIONALS!

Don’t miss the 2015 Pennsylvania Decentralized Wastewater Conference and Trade Show! PSMA is pleased to announce that we’ve selected a new central location for the conference: Holiday Inn Harrisburg East, 4751 Lindle Road, Harrisburg, PA 17111. The conference is being held January 19-20, 2015. This statewide event is the premier event in Pennsylvania for the septage industry and provides an excellent opportunity to learn from experts in the industry, network with your colleagues, and re-energize for the new year.

LODGING INFORMATION

Holiday Inn Harrisburg East
4751 Lindle Road
Harrisburg, PA 17111
(717) 939-7841
www.HIHarrisburg.com

Room Block Code: PA Septage Management Association
Rate: $93 per night plus tax for single or double occupancy
Deadline to receive group room rate: January 10, 2015

CANCELLATIONS & REFUNDS

Cancellations must be made, in writing, by January 10, 2015 to receive a refund, less a $50 administrative processing fee. The cost of banquet tickets is non-refundable. Cancellations will be confirmed upon receipt. No refunds will be available after January 10th. PSMA cannot guarantee the availability of reception or meal tickets to walk-in registrants. Correct payment must accompany each registration. Registrations that are incomplete will be returned unprocessed.

REGISTER TODAY BY PAPER OR ONLINE

To register for the PSMA conference, complete & return the enclosed registration form. Or, you can quickly register & pay by credit card online by visiting the PSMA website, www.PSMA.net. The registration deadline is January 15, 2015.

CONTINUING EDUCATION

Continuing education credits are available for select sessions. Available PSMA SR1 continuing education credits awarded for each session are indicated next to their respective titles. In addition, PSMA has applied to PA DEP for up to 4 SEO continuing education credits for attending the conference. Don’t Forget! Be sure to turn-in your attendance documentation form at the registration desk so we can properly report your credits.
**SCHEDULE OF EVENTS**  Subject to Change

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**Sunday, January 18**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00 p.m. - 6:00 p.m.</td>
<td>Exhibitor Move-In</td>
</tr>
<tr>
<td>6:00 p.m. - 8:00 p.m.</td>
<td>PSMA Board of Directors Meeting &amp; Dinner</td>
</tr>
</tbody>
</table>

**Monday, January 19**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 a.m.</td>
<td>Registration Opens</td>
</tr>
<tr>
<td>7:00 a.m.</td>
<td>Breakfast in Exhibit Hall</td>
</tr>
<tr>
<td>7:00 a.m. - 7:00 p.m.</td>
<td>Exhibit Hall Open</td>
</tr>
<tr>
<td>8:00 a.m.</td>
<td>Opening Comments</td>
</tr>
<tr>
<td>8:30 a.m.</td>
<td>Plenary Session</td>
</tr>
<tr>
<td>9:45 a.m.</td>
<td>Morning Break in Exhibit Hall</td>
</tr>
<tr>
<td>10:15 a.m.</td>
<td>Educational Breakout Sessions</td>
</tr>
<tr>
<td>11:30 a.m.</td>
<td>Lunch in Exhibit Hall</td>
</tr>
<tr>
<td>1:00 p.m.</td>
<td>In-Depth Session / Certification Course</td>
</tr>
<tr>
<td>2:15 p.m.</td>
<td>Afternoon Break in Exhibit Hall</td>
</tr>
<tr>
<td>2:45 p.m.</td>
<td>In-Depth Session / Certification Course cont.</td>
</tr>
<tr>
<td>4:45 p.m.</td>
<td>PSMA Regional Meetings</td>
</tr>
<tr>
<td>5:30 p.m. - 7:30 p.m.</td>
<td>Happy Hour &amp; Buffet Dinner Reception</td>
</tr>
</tbody>
</table>

**Tuesday, January 20**

<table>
<thead>
<tr>
<th>Time</th>
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</tr>
</thead>
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<tr>
<td>7:00 a.m.</td>
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<tr>
<td>7:00 a.m.</td>
<td>Breakfast in Exhibit Hall</td>
</tr>
<tr>
<td>7:00 a.m. - 1:30 p.m.</td>
<td>Exhibit Hall Open</td>
</tr>
<tr>
<td>8:00 a.m.</td>
<td>In-Depth Session / Certification Course cont.</td>
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<td>Educational Breakout Sessions</td>
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<td>Afternoon Break in Exhibit Hall</td>
</tr>
<tr>
<td>2:45 p.m.</td>
<td>Educational Breakout Sessions</td>
</tr>
<tr>
<td>4:00 p.m.</td>
<td>Conference Closes</td>
</tr>
</tbody>
</table>
MONDAY, JANUARY 19, 2015

7:00am  Registration Opens

8:00am - 8:30am  Opening Comments
Kyle Rigby, PSMA President
Young’s Sanitary Septic Service, Inc.

Attendees are welcomed to the conference and provided updates on PSMA’s planned activities for 2015.

8:30am - 9:45am  Plenary Session:
PSMA Legislative & Regulatory Update  (1 PSMA CEU)
Vince Phillips, PSMA Lobbyist
Phillips Associates

Whether it takes the form of legislation like inspector registration introduced in the General Assembly, proposed rule changes like the draft revisions to onlot septic regulations, or state studies of business practices such as biosolid land application, what’s going on in the state capital impacts you and your company everyday. Learn about the latest initiatives in Harrisburg and better position your business for the future.

10:15am - 11:30am  Educational Breakout Sessions  (1 PSMA CEU)

Choice A:  Fluid Dynamics & Pump Selection
Dr. Albert Jarrett
Professor Emeritus of Agricultural & Biological Engineering
Penn State University

The focus of this presentation will be help designers, SEOs, contractors, and installers understand how elevation, pressure and friction are related and how to quantify each of these parameters. The group will be introduced to Bernoulli’s Equation. I will discuss the data needed and how to determine the Total Dynamic Head and Flow Rate required if one is to properly select a pump. The basics or pumps will be discussed, including the performance relationship, efficiency, energy requirements, and NPSH. The group will learn how to read and use a pump curve. The group will learn how to select a pump for use in an On-Lot Wastewater Disposal system.

Choice B:  Soil as a Treatment Media
Joe Valentine
Consulting Soil Scientist

This presentation shall focus on the three dimensional soil pedon as a treatment media for on-lot waste water dispersal. As waste water passes through the soil, various aspects of soil play a part in the renovation of the waste water. Those aspects are the disciplines of: soil physics as it relates to saturated and unsaturated water flow and bulk density, soil biology, soil morphology and soil chemistry. This session will attempt to link these soil disciplines so that the attendees will have a better understanding of waste water treatment by soil as a Living Filter.
Choice C: **Collection & Depiction of Subsurface Utility Data**  
Master Locators, Inc.

Make your sites safer by locating underground utilities that would not have been located by One Call. Additionally, leak locating and detection processes can save you time and money by pinpointing the source of the damage prior to excavation. Attendees will be introduced to the basic scientific theory of utility locating technologies. Presenters will describe the process and equipment used to obtain comprehensive subsurface utility data.

1:00pm - 4:30pm **In-Depth Sessions & Training (3 PSMA CEUs)**

**Choice A: Control Panel Components**  
Speaker TBA

Significant technological advances have been made from the pump control of yesteryear. This session will focus on the variety and capability of different control panel components available to meet the needs of your application, including: relays, timers, alarms, remote telemetry, electrical requirements, and more. The session will include a discussion of installation tips and common errors to avoid with new installation.

**Choice B: Confined Space Entry Training (Part I)**  
Edward Fitzgerald  
Jack Doheny Supplies

This program is designed to train the entrant, attendant and entry supervisor in their roles as described in 29 CFR 1910.146. Topics to be covered are hazard assessments, atmospheric monitoring, PPE, permit building, ventilation non entry rescue and reclassification from permit to non-permit, equipment review and hands-on training with equipment. This is a multi-day class beginning on Monday and concluding on Tuesday.

**Choice C: Drip Irrigation System Inspection Certification (Part I)**  
Frank Parker  
Parker Wastewater Consulting, Inc.

Upon successful completion of this course, you will obtain a PSMA endorsement to inspect and sign reports for the inspection of American Manufacturing's Perc-Rite® Drip Dispersal System. You will become familiar with all drip system components and their proper operation. After inspection of a Drip System, you will be able to evaluate and reach a conclusion about each component, as well as the entire system, to write and sign a certification report. You must be a current PSMA 101 or 102 certified inspector to take this course. You must register in advance, be a current PSMA member and pass a post course test to obtain this endorsement. This is a multi-day class beginning on Monday and concluding on Tuesday.
TUESDAY, JANUARY 20, 2015

7:00am  Registration Open

8:00am - 11:30am  In-Depth Sessions & Training Part II  (3 PSMA CEUs)

Choice A:  Troubleshooting Control Panels
Speaker TBA

Attendees will receive a brief overview of the basics of a pumping station followed by a detailed exploration of the process used to identify common problems and troubleshoot a solution. The session will provide practical information on diagnosing and repairing issues associated with control panels, alarms, and floats.

Choice B:  Confined Space Entry Training (Part II)
Edward Fitzgerald
Jack Doheny Supplies

This program is designed to train the entrant, attendant and entry supervisor in their roles as described in 29 CFR 1910.146. Topics to be covered are hazard assessments, atmospheric monitoring, PPE, permit building, ventilation non entry rescue and reclassification from permit to non-permit, equipment review and hands-on training with equipment. This is a multi-day class beginning on Monday and concluding on Tuesday.

Choice C:  Drip Irrigation System Inspection Certification (Part II)
Frank Parker
Parker Wastewater Consulting, Inc.

Upon successful completion of this course, you will obtain a PSMA endorsement to inspect and sign reports for the inspection of American Manufacturing's Perc-Rite® Drip Dispersal System. You will become familiar with all drip system components and their proper operation. After inspection of a Drip System, you will be able to evaluate and reach a conclusion about each component, as well as the entire system, to write and sign a certification report. You must be a current PSMA 101 or 102 certified inspector to take this course. You must register in advance, be a current PSMA member and pass a post course test to obtain this endorsement. This is a multi-day class beginning on Monday and concluding on Tuesday.

1:00pm - 2:15pm  Educational Breakout Sessions  (1 PSMA CEU)

Choice A:  Eljen Geotextile Sand Filter System Inspections
Duane Mowery
ExpertSeptic LLC

This session will familiarize the attendee with the Eljen Geotextile Sand Filter (GSF), its application, installation and the process for evaluating the condition of the Eljen GSF in accordance with PSMA inspection standards. Included in this presentation will be a discussion of the Hydraulic Load Testing procedure applicable to the Eljen system and the conclusions that can be reached.
Choice B: **Soil Compaction & Creating an Infiltration Surface**  
Dr. Albert Jarrett  
Professor Emeritus of Agricultural & Biological Engineering  
Penn State University

The focus of this presentation will be “How to Create an Infiltration Surface”. I will start with a brief discussion of soil properties and characteristics important to on-lot sewage disposal. Then look at what is learned from the Soil Probe that relates to soil-water movement, especially infiltration of wastewater into the soil profile. I will define, in detail, the infiltration process and how infiltration is controlled by soil density and water content. I will then define the situations that cause soil compaction. Finally, I will summarize this discussion into a practical list of instructions designed to help the designer/contractor/installer know “What not to do” and “What to do” to create/construct/install a functioning infiltration surface.

Choice C: **Managing Inspector-Realtor® Relations Roundtable**  
Panel

A panel of discussion of the top questions and concerns expressed by real estate agents regarding the inspection of an on-lot wastewater system. Panelists will share their experiences in inspecting systems for property buyers and property sellers and how to properly explain the value of PSMA inspections.

**Educational Breakout Sessions** (1 PSMA CEU)

Choice A: **Electric Wiring Standards**  
Speaker TBA

Attendees will learn the basics electrical wiring standards and techniques for system pumps, motors, and other components. Gain a general understanding of installation requirements, inspection methods, and troubleshooting strategies for electrical components.

Choice B: **Are Your Customer Contracts Leaving You Exposed?**  
Derald J. Hay  
Fox Rothschild LLP

This presentation will recount “war stories” of businesses that failed to adequately protect themselves when dealing with their customers. It will offer guidance that your company can use to avoid a similar fate. Attendees will learn about critical language to include in customer contracts, steps that the business office should take to ensure valid contracts are created, and how to properly implement the contract provisions of the contractor registration requirements. Discussion will include an overview of Pennsylvania’s Home Improvement Contractor law.

Choice C: **The Challenges of Inspection Report Writing**  
Ray Erb  
Thomas H. Erb & Sons, Inc.

Writing a report can be a challenging process. Face it, report writing can provide an excellent opportunity to look foolish and to get sued. So we will examine how to minimize the pain and maximize the gain. We will examine our goals and some ways that will help us succeed in writing a report that will satisfy the client yet also help us stay out of trouble.

4:00 pm **Conference Close**
Save the Date!

PSMA/NOF
Annual Spring Training

March 31-April 1, 2015
Crowne Plaza Reading Hotel
Wyomissing, PA

Training Courses Being Offered:

• PSMA/NOF 101 Basic Inspection Certification
• PSMA/NOF 102 Advance Inspection Certification
• PSMA/NOF SR1 Standards Refresher
• Installation of Onsite Wastewater Systems
Please note: The cancellation deadline is January 10, 2015. All cancellations must be made in writing and receipt will be acknowledged. A $50 administrative processing fee will be charged per cancellation. The cost of reception tickets is non-refundable. PSMA cannot guarantee availability of reception or meal tickets to walk-in registrants. Please complete one registration per attendee.

Attendee Name: _________________________________________________________________________________

Business Name: _________________________________________________________________________________

Street Address: _________________________________________________________________________________

City: State: Zip Code: __________________________________________________________________________

Phone: ____________________________________________ Fax: __________________________________

E-mail:  ____________________________________________ Website: __________________________________

Emergency Contact Information:
Name of Non-Attending Contact:__________________________  Phone: __________________________________

REMEMBER: Be sure to select your desired education sessions on the reverse side of this form.

Please mark which association(s) your company is a member of (check all that apply):

- PSMA
- NAWT
- PAPSS
- POWRA
- PASEO

FEES:

Full Registration Prices: (includes Monday reception) □ $199 Member    □ $249 Non-Member  $________
*Please note that the member pricing is for any employee of a member company with any of the participating associations (PSMA, NAWT, PAPSS, POWRA, PASEO). Membership will be verified.

Monday Only Registration Prices: (includes Monday reception) □ $125 Member    □ $150 Non-Member  $________
*Please note that the member pricing is for any employee of a member company with any of the participating associations (PSMA, NAWT, PAPSS, POWRA, PASEO). Membership will be verified.

Tuesday Only Registration Prices: □ $100 Member    □ $125 Non-Member  $________
*Please note that the member pricing is for any employee of a member company with any of the participating associations (PSMA, NAWT, PAPSS, POWRA, PASEO). Membership will be verified.

Additional Reception Tickets: □   _______ @ $35 per ticket  $________
*One reception ticket is included in the registration fee.

Spouse Fee: □   _______ @ $125  $________
(Includes breakfast both days, lunch both days and Monday reception)

Spouse Name:__________________________________________

TOTAL ENCLOSED $________

Method of Payment: Make check payable to PSMA

Credit Card: □ Visa □ MasterCard □ Discover

Credit Card Number:_________________________________________ Exp. Date:__________ Security Code:________

Name on Card:_____________________________________  Signature:____________________________________

Please submit completed application, along with full payment to:

PSMA, P.O. Box 144, Bethlehem, PA 18016 or fax to 215-689-4263
Select Your Session Choices (subject to availability)

To help us plan better, please indicate which educational sessions you plan to attend by checking the box next to the desired title.

<table>
<thead>
<tr>
<th>MONDAY</th>
<th>Choice A</th>
<th>Choice B</th>
<th>Choice C</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am-9:45 am</td>
<td>✧ Opening Comments; Legislative &amp; Regulatory Updates</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:15 am-11:30 am</td>
<td>✧ Fluid Dynamics &amp; Pump Selection</td>
<td>✧ Soil as a Treatment Media</td>
<td>✧ Collection &amp; Depiction of Subsurface Utility Data</td>
</tr>
<tr>
<td>1:00 pm-4:30 pm</td>
<td>✧ Control Panel Components</td>
<td>✧ Confined Space Entry Training (Continued on Tue)</td>
<td>✧ Drip Irrigation System Inspection Certification (Continued on Tue)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>TUESDAY</th>
<th>Choice A</th>
<th>Choice B</th>
<th>Choice C</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am-11:30 am</td>
<td>✧ Troubleshooting Control Panels</td>
<td>Confined Space Entry Training (Continued from Mon)</td>
<td>Drip Irrigation System Inspection Certification (Continued from Mon)</td>
</tr>
<tr>
<td>1:00 pm-2:15 pm</td>
<td>✧ Eljen GSF System Inspections</td>
<td>✧ Soil Compaction &amp; Creating an Infiltration Surface</td>
<td>✧ Managing Inspector-Realtor® Relations Roundtable</td>
</tr>
<tr>
<td>2:45 pm-4:00 pm</td>
<td>✧ Electrical Wiring Standards</td>
<td>✧ Are Your Customer Contracts Leaving You Exposed?</td>
<td>✧ The Challenges of Inspection Report Writing</td>
</tr>
</tbody>
</table>

Did you know that you can register & pay online? Visit www.PSMA.net

Please submit completed application, along with full payment to: PSMA, P.O. Box 144, Bethlehem, PA 18016 or fax to 215-689-4263
APPLICATION FOR PSMA MEMBERSHIP

Please complete the following information:

Company Name ____________________________________________________________

Primary Contact __________________________________________________________

Title ______________________________________________________________________

Address ____________________________________________________________________

City ___________________________ State _____ Zip/Postal Code ________________

County __________________________ Work Phone ____________________________

Fax ___________________________ Alternate Phone __________________________

E-mail __________________________ Website _________________________________

Please check all that best describe your company’s relationship to the Onsite Waste Treatment Industry:

- Pumping
- Installing
- Repair/Maintenance
- Inspecting
- Distributor/Manufacturer

Payment Information

- Regular Membership Fee $ _________ (specify amount)
- Associate Membership Fee** $ 250

**Please note: Businesses performing inspections, installations and/or pumping and/or have someone in the company that is certified are considered a “regular member” of PSMA and should remit dues as such.

<table>
<thead>
<tr>
<th>Regular Member</th>
<th>Annual Gross Revenue</th>
<th>Annual Dues</th>
<th>Joining July 1 – Sept 30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group A</td>
<td>&lt; $250,000</td>
<td>$350</td>
<td>$245</td>
</tr>
<tr>
<td>Group B</td>
<td>$251,000 - $500,000</td>
<td>$400</td>
<td>$280</td>
</tr>
<tr>
<td>Group C</td>
<td>$501,000 - $750,000</td>
<td>$450</td>
<td>$315</td>
</tr>
<tr>
<td>Group D</td>
<td>$750,001 - $1,000,000</td>
<td>$500</td>
<td>$350</td>
</tr>
<tr>
<td>Group E</td>
<td>$1,000,001 - $2,500,000</td>
<td>$600</td>
<td>$420</td>
</tr>
<tr>
<td>Group F</td>
<td>&gt; $2,500,000</td>
<td>$750</td>
<td>$525</td>
</tr>
<tr>
<td>Associate Member</td>
<td>Businesses not engaged in pumping, inspecting, or installing</td>
<td>$250</td>
<td>$175</td>
</tr>
</tbody>
</table>

This is an honor system; we trust you. You will not be audited. Revenue information about any individual member will be held in the strictest confidence.

- Checks should be made payable to PSMA. (U.S. funds only)

Credit Card:  
- Visa
- MasterCard
- Discover

Name on Card: ____________________________________________________________ Exp. Date: __________________

3-Digit Security Code: _______ Signature: _________________________________

Your cancelled check will be your receipt. PSMA’s Federal Tax ID number is 23-2719979

Please send this form with your payment to:
PSMA, PO Box 144, Bethlehem, PA 18016; or fax to (215) 689-4263.

NEW LOCATION: Holiday Inn Harrisburg East, 4751 Lindle Road, Harrisburg, PA 17111

January 19-20, 2015

Join your colleagues at Pennsylvania’s premier event for the septic industry.

For more info or to REGISTER ONLINE, visit www.PSMA.net