

64th MICHIGAN ONSITE WASTEWATER CONFERENCE & EXHIBITS PRESENTS

"WASTEWATER AS A RESOURCE"

JANUARY 6 - 8, 2015

KELLOGG HOTEL & CONFERENCE CENTER
MICHIGAN STATE UNIVERSITY
EAST LANSING, MICHIGAN



NOTE: AT THE END OF THE CONFERENCE THERE WILL BE A DRAWING IN THE AUDITORIUM FOR SEVERAL PRIZES

Up to 16 CSE (Continuing Septage Education) Credit Hours are offered at the conference through MSTA. Enrollment is required. Please contact Chanin Frank at the registration desk with questions.

** Note there will be an additional fee for non-MSTA members wanting a certificate of attendance and tracking by MSTA.*

CONFERENCE SPONSORS: MEHA, MOWRA, MSTA, MSU, MDEQ, MWEA



ONSITE WASTEWATER CONFERENCE INFORMATION – PLEASE READ!

Registration Required For Attendance

ABOUT THE CONFERENCE – A three-day, educational conference for the onsite wastewater industry including local public health, engineers, consultants, installation contractors, septic tank pumpers, and others interested in onsite wastewater management. You will learn about the latest in onsite wastewater industry trends and approaches to onsite wastewater management.

LOCATION – The Conference will be held at the Kellogg Center, corner of Michigan Avenue and Harrison Road, East Lansing, Michigan. The conference site features spacious meeting facilities and excellent overnight accommodations. Parking in the ramp south of the center is included in the registration.

EXHIBITS – With over 30 exhibitors in the hall, this will be an ideal place to exchange ideas and discuss new products and/or services. Representatives from all major suppliers will be present.

REGISTRATION – The full conference (2-day) registration fee is \$100.00 per person. A one-day fee is \$65.00 per person for either January 7th or 8th. The January 6th pre-conference "Education Day" is as follows: On Tuesday, in addition to the two sessions that we normally have we have added Four (4) additional sessions. These sessions are smaller for the "Hands On training" that has been requested. Some of these sessions will be repeated up to three times....So plan your attendance so you can make it to the sessions that you want to attend. All Six (6) Tuesday Tracks are supported by the conference exhibitors and have no fee.

Registration includes lunch and break snacks. **REGISTRATION** for the conference is **REQUIRED!** Please utilize the Registration form and return it by the deadline, December 19, 2014. After this date, all fees will be \$10.00 more - even for Tuesday, January 6! **ATTENTION MICHIGAN SEPTAGE HAULERS** Conference Fee reimbursement is available for most Licensed Septage Haulers through the Michigan Department of Environmental Quality "Continuing Septage Education Reimbursement Request" (EQP5918). More information is available on the web at: <http://www.michigan.gov/deqseptage>

LODGING – Arrangements for a special conference room rate of \$81.00 for a single or double, plus taxes, have been made with the Kellogg Center. Lodging reservations must be received by December 12, 2014 to assure a room. Call (800) 875-5090 to reserve your room (Mention Group Code #MOW010315 for the discounted rate), after that time rooms will be on a space available basis. Kellogg Center has great amenities including the excellent State Room restaurant and the Spartan Pub.

MSTA BANQUET – The Annual Michigan Septic Tank Association Banquet will be held on the evening of January 7th. Each current MSTA member is entitled to two (2) discounted (\$10) banquet tickets. Everyone is invited; additional banquet tickets are \$30.00 and can be purchased with Registration. **NOTE:** MSTA members must reserve their discounted banquet tickets on the Registration form. (For information on current MSTA membership call Chanin Frank, MSTA Executive Officer at 989-808-8648 or email mstasupport@charter.net). **If you requested discounted banquet tickets and are unable to attend the banquet, please notify Chanin [989-808-8648] to cancel. This will allow for an accurate meal count and save your association money.**



PRE-CONFERENCE "Education Day" (No Fee)								
CSE Hours	TUESDAY 1/6/15 Start Time	Track 1 LINCOLN ROOM No Fee	Track 2 AUDITORIUM No Fee	Track 3 Room 103-A No Fee	Track 4 Room 103-B No Fee	Track 5 Room 104-A No Fee	Track 6 Room 104-B No Fee	
	7:45AM	Introduction Moderator: Dale Ladouceur	Introduction Moderator: Mark Scott	Introduction Moderator: Bill Gregory	Introduction Moderator: Dan Milan	Introduction Moderator: Misty DeJonghe	Introduction Moderator: Ralph Bailey	
1.00	8:30AM	MDEQ TOPIC Michigan's State Health Code - Is There One? Randy Rapp, RS [Allegan County HD]	Qualification of Driver: Common Errors and Mistakes Ron Edwards [Michigan Center for Truck Safety]	Onsite Pumps Bill Morris [Pentair]	Septic Tank Access and New Technology Marty Derocco [Milan Supply]	Vacuum Pump Maintenance & Repair Mike Rost [National Vacuum Equipment]	Healthcare Reform Update Carolyn Miller [General Agency Company]	
1.00	9:30AM	MDEQ TOPIC 4 Critical Components of the Permitting Process Dave Cotton, PE [MDEQ]	HAZMAT Identification & Proper Handling Detective Sergeant Steven Spink [Michigan State Police]	Installation, Operation, and Trouble-shooting of Pump Controls Brett Wilfong [SJE Rhombus]	Septic Pump System's Do's & Don'ts Ron Lindsay [Milan Supply]	Septage Treatment Equipment Options Scott Kafka [Hamlett Environmental Technologies Co.]	Maintaining your Private Well and Septic System David Janette [Janette & Son's Excavating & Septic Service]	
1.00	10:30AM	Panel - Watertight Durable Precast Concrete Wastewater Structures Claude Goguen [National Precast Concrete Association] Dan Wagner [Milan Vault Inc.]	Competent Person/Boom Certification/Counterweight Stickers/Confined Spaces/Electrical Issues (Safety Hazards and MIOSHA Rules Update) Jim Getting [MIOSHA]	Onsite Pumps Bill Morris [Pentair]	Septic Tank Access and Security New Technology Marty Derocco [Milan Supply]	Vacuum Pump Maintenance & Repair Mike Rost [National Vacuum Equipment]	Healthcare Reform Update Carolyn Miller [General Agency Company]	
	11:30AM	LUNCH (Provided)					Introduction Moderator: James Rabine	Introduction Moderator: Joel Kwiatkowski
1.00	12:30PM	MDEQ TOPIC The Use of Alternative Technology in Community and Commercial Replacement Onsite Septic Systems in Oakland County Liz Braudock, MS, RS, [Oakland County HD]	Competent Person/Boom Certification/Counterweight Stickers/Confined Spaces/Electrical Issues (Safety Hazards and MIOSHA Rules Update) Jim Getting [MIOSHA]	Installation, Operation, and Trouble-shooting of Pump Controls Brett Wilfong [SJE Rhombus]	Septic Pump System's Do's & Don'ts Ron Lindsay [Milan Supply]	Septage Treatment Equipment Options Scott Kafka [Hamlett Environmental Technologies Co.]	Today's Portable Sanitation Business Ray Luden, Jr. [Poly/John Enterprises Corporation]	
1.00	1:30PM	MDEQ TOPIC The Michigan Criteria for Subsurface Sewage Disposal and the Draft Michigan Criteria for On-Site Wastewater Treatment Dale R. Ladouceur, RS [MDEQ]	Qualification of Driver: Common Errors and Mistakes Ron Edwards [Michigan Center for Truck Safety]	Onsite Pumps Bill Morris [Pentair]	Septic Tank Access and Security New Technology Marty Derocco [Milan Supply]	Vacuum Pump Maintenance & Repair Mike Rost [National Vacuum Equipment]	Healthcare Reform Update Carolyn Miller [General Agency Company]	
1.00	2:30PM	MDEQ TOPIC Alternative Treatment Technology Dave Cotton, PE [MDEQ]	HAZMAT Identification & Proper Handling Detective Sergeant Steven Spink [Michigan State Police]	Installation, Operation, and Trouble-shooting of Pump Controls Brett Wilfong [SJE Rhombus]	Septic Pump System's Do's & Don'ts Ron Lindsay [Milan Supply]	Panel - Watertight Durable Precast Concrete Wastewater Structures Claude Goguen [National Precast Concrete Association] Dan Wagner [Milan Vault Inc.]	Today's Portable Sanitation Business Ray Luden, Jr. [Poly/John Enterprises Corporation]	
	3:30PM	Educational Sessions End					Exhibits Open 3:00PM to 5:30PM - Light Buffet Dinner provided by MOWRA (Vendor CASH Give-Aways throughout the afternoon)	
	5:30PM	EXHIBIT HALL CLOSES						

MAIN CONFERENCE "WASTE WATER AS A RESOURCE"

WEDNESDAY 1/7/15 Start Time		BIG TEN ROOM Joint Sessions
CSE Hours		REGISTRATION
	7:45AM	Introduction Moderator: Bill Gregory
1.50	8:30AM	Legislative Update on Septic Issues Michigan State Representative Ken Goike [Special Guest]
	8:45AM	Wastewater as a Resource Dr. John Buchanan - Keynote [University of Tennessee]
	10:00AM	Break
1.00	10:15AM	Michigan Water Strategy Jon Allan Michigan Office of the Great Lakes
	11:15	BREAK IN EXHIBIT HALL 11:15AM to 12:00PM
	12:00PM	LUNCH
		Track 1
		LINCOLN ROOM
		Introduction Moderator: Larry Stephens
1.00	1:00PM	Onsite Systems Past/Present & Future Dr. John Buchanan [University of Tennessee]
	2:00 – 2:30PM	BREAK IN EXHIBIT HALL
1.00	2:30PM	MDEQ Question & Answer Session MDEQ Program Staff Matthew Campbell [MDEQ] Dr. Ebi F. Burutolu [MDEQ] Matt Rockhold [MDEQ]
	3:30 PM	MOWRA Association Meeting
	5:30 PM	SOCIAL HOUR IN BIG TEN A
	6:30 PM	MSTA BANQUET IN BIG TEN A (TICKETS REQUIRED)
		Track 2
		AUDITORIUM
		Introduction Moderator: Matt Campbell
	1:00PM	Septage from the Cradle to the Grave Therese Wheaton [Crystal Environmental]
	2:00 – 2:30PM	BREAK IN EXHIBIT HALL
	2:30PM	MDEQ Question & Answer Session MDEQ Program Staff Matthew Campbell [MDEQ] Dr. Ebi F. Burutolu [MDEQ] Matt Rockhold [MDEQ]
	3:30 PM	MSTA Association Meeting
	5:30 PM	SOCIAL HOUR IN BIG TEN A
	6:30 PM	MSTA BANQUET IN BIG TEN A (TICKETS REQUIRED)
		Exhibits Open 8:00AM to 4:00PM CASH GIVE-AWAYS

MAIN CONFERENCE "WASTEWATER AS A RESOURCE"	
CSE Hours	THURSDAY 1/8/15 Start Time
	7:45AM
3.00	BIG TEN ROOMS (Partitioned) Joint Session
	<p>REGISTRATION Introduction Moderator: Madeline Houdek/Bill Gregory</p> <p>Round Table Discussions (6-sessions at 30-minutes each):</p> <ol style="list-style-type: none"> 1. Winter Freezing Issues 2. Affordable Health Act Update 3. Today's Portable Sanitation Business 4. Web Sites & Marketing 5. Proper Techniques for Solvent Welding Plastic Joints 6. Septic Leak Testing 7. Good Pump Installations 8. Portable Toilets 9. Vacuum Pump Maintenance 10. Homeowner Education 11. Benefits of Septage Storage 12. Fats, Oil & Greases in the Drain Field 13. Local Health Department Issues 14. Septage Processing 2014 15. Class-5 Injection Wells 16. Dental Wastewater and Eliminating Mercury 17. "Getting Paid Right Away" Credit Card Processing Considerations
0.50	11:15AM
	<p>Track 1 LINCOLN ROOM</p> <p>Track 2 AUDITORIUM</p> <p>Introduction Moderator: Ralph Bailey</p> <p>Meth Awareness with Portable Toilets & Septic Tanks Sergeant Chris Crawford [Clinton County Sheriff Department]</p>
1.00	11:30AM
	<p>LUNCH – BIG TEN ROOM</p> <p>Introduction Moderator: Misy D'elonghe</p> <p>Preparing Yourself for Dog Encounters Dog Bite Prevention Training Hector Hernandez [First Class Dog Training] <i>2-hour session</i></p>
1.00	12:00PM
	<p>Introduction Moderator: Randy Rapp</p> <p>Food Safety Modernization Act & Good Agricultural Practices with Portable Restrooms Steve Washburn, [Poly/John Enterprises & Portable Sanitation Association International]</p> <p>Discussion on Statewide Sanitary Code Randy Rapp Allegan County HD Dale Ladouceur & Dave Cotton [MDEQ]</p>
1.00	1:00PM
	2:00 PM
3:00 PM	<p>PRIZE DRAWING IN AUDITORIUM – MUST BE PRESENT TO WIN</p> <p>Moderator: Bill Gregory/Dan Milan</p>

2015 Michigan Onsite Wastewater Conference "WASTEWATER AS A RESOURCE"



Tuesday Course Descriptions

January 6th – Courses run from 8:30AM to 3:30PM

Exhibits open from 3:00PM to 5:30PM

TRACK I - LINCOLN ROOM

“MDEQ TOPICS”

This training is sponsored by the Michigan Department of Environmental Quality for the Local Health Department (LHD) Environmental Health (EH) professional. The topic of this training is structured to provide practical and theoretical information and also provide tools and understanding of the work we do. While this program was developed with the LHD EH professional in mind others are invited to attend if there is space available.

“MDEQ Topic - Michigan’s State Health Code – Is There One?”

Tuesday 1/6/15 - 8:30AM to 9:30AM

Presented by:

Randy Rapp, RS [Allegan County Health Dept.]

Randy will be discussing the similarities and differences between the local health department’s Sanitary Codes. We will be pointing out the goals of the Local Health Departments and how each one accomplishes these. Also how we can work together in industry and regulatory entities to accomplish this.

Bio: Randy Rapp has been a Registered Sanitarian in Michigan since 1995. He has worked in both the public and private sectors as a Sanitarian, held positions in Kent County, Ottawa County, and Exxel Engineering Inc. Randy is currently the Environmental Health Services Manager for Allegan County. He enjoys and has great respect for the work we do to protect the environment and the public’s health.

“MDEQ Topic - 4 Critical Components of the Permitting Process”

Tuesday 1/6/15 – 9:30AM to 10:30AM

Presented by: **Dave Cotton, PE [MDEQ]**

Every on-site wastewater treatment and dispersal system across the state of Michigan is subject to sanitary codes and regulations. All systems must go through a permitting process that at a minimum

includes four critical components: 1) the site evaluation; 2) system design; 3) installation inspection; and 4) documentation. We will look at the why, what and how of the permitting process.

Bio: David H. Cotton is a Professional Engineer working for Michigan Department of Environmental Quality since the spring of 2014. He graduated from Michigan Tech in 1983 and has worked in the field of decentralized wastewater management his entire career. Dave has worked in many aspects of the on-site industry including design, regulation, installation, manufacture, training and operation & maintenance.

“Panel - Watertight Durable Precast Concrete Wastewater Structures”

Tuesday 1/6/15 - 10:30AM to 11:30AM and 2:30PM to 3:30PM [In Room 104-A]

Presented by: **Claude Goguen, PE, LEED AP [National Precast Concrete Association] & Dan Wagner (Co-Owner) [Milan Vault, Inc.]**

An effective decentralized wastewater treatment system depends on many factors. One of them is the durability and water tightness of the containment vessels, whether they be septic tanks, grease interceptors, pump tanks, aeration chambers or distribution boxes. This session will cover topics of water tightness and durability of precast concrete tanks and boxes based on manufacturing and installation best practices. We will also examine what producers are doing to enhance durability of these structures to help extend the service life of the system.

Bio: Claude Goguen has more than 20 years of experience in the precast concrete and construction industry. He holds degrees in Civil Engineering and is a licensed P.E. in Indiana and a licensed P.Eng.in Canada. He is also a LEED accredited professional. Prior to his role in technical services with NPCA, Claude was an operations manager at a precast concrete manufacturing plant. Claude has been involved in the decentralized onsite wastewater industry since starting with NPCA in 2008.

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Bio: Dan Wagner has been a long time member of the National Precast Concrete Association (NPCA). He has been in the precast concrete products business for 35-years. Dan is past board member of the NPCA, and a voting member of ASTM C-27 committee. Milan Vault is a NPCA certified plant.

“MDEQ Topic - The Use of Alternative Technology in Community and Commercial Replacement Onsite Septic Systems in Oakland County”

Tuesday 1/6/15 – 12:30PM to 1:30PM

Presented by: Liz Braddock, MS, RS, Environmental Health Services Supervisor [Oakland County Health Division]

Replacing existing failing septic systems creates challenges that require cooperation between LHD, DEQ, Project Engineer, the Installer and Business Owner. This session will review some of the recent projects in Oakland County. Case studies will be presented for community septic systems and multi-use buildings in the County where the use of pre-treatment alternative technology was implemented in the designs.

Bio: Liz Braddock is an Environmental Health Services Supervisor at Oakland County Health Division. She is based in Pontiac and works in the Land, Water and Technology programs. This is her 13th year at Oakland and prior to moving to Metro Detroit, Liz, worked as a field sanitarian at Berrien County.

“MDEQ Topic - The Michigan Criteria for Subsurface Sewage Disposal and the Draft Michigan Criteria for On-Site Wastewater Treatment”

Tuesday 1/6/15 - 1:30PM to 2:30PM

Presented by: Dale Ladouceur, RS [MDEQ]

The Michigan Criteria for Subsurface Sewage Disposal (MCSSD) established the state standards for the siting and design of on-site wastewater systems with flows between 1,000 & 10,000 gallons per day. The MCSSD

was last amended in 1994 and is referenced in many state regulations and local sanitary codes as the standard for compliance with the code. In 2009 the Michigan Department of Environmental Quality, the Michigan Association of Local Environmental Health Administrators, and other academic and industry stakeholders began working together to develop a comprehensive science based overhaul of these standards. A final draft of the Michigan Criteria for On-Site Wastewater Treatment was completed in January, 2013. We will look at the two documents, their differences, how they are being utilized and their future.

Bio: Dale Ladouceur is a Registered Sanitarian. He is employed with the Michigan Department of Environmental Quality (DEQ), Office of Drinking Water and Municipal Assistance, Environmental Health Programs Unit, On-Site Wastewater Program and has been with the DEQ for 14+ years. Previous to working for the DEQ, Dale worked for the Mid-Michigan District Health Department for over 12 years. Dale has a B.S. degree in Environmental Health from Ferris State College (a.k.a. – Ferris State University).

“MDEQ Topic - Alternative Treatment Technology”

Tuesday 1/6/15 – 2:30PM to 3:30PM

Presented by: Dave Cotton, PE [MDEQ]

The goal of siting and design standards is to appropriately install on-site wastewater systems that will protect public health and the environment. With the proper site conditions on-site wastewater treatment and dispersal systems utilizing the time tested septic tank and soil absorption system meets those goals. For projects where site conditions present challenges for one reason or another alternative treatment technology can help achieve protection of public health and the environment. This training will explore alternative treatment technology that may be considered in a variety of projects.

Bio Above:

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TRACK II- AUDITORIUM

“Qualification of Driver: Common Errors and Mistakes”

Tuesday 1/6/15 - 8:30AM to 9:30AM and 1:30PM to 2:30PM

Presented by: Ron Edwards [Michigan Center for Truck Safety]

This program discusses the hiring and qualification of commercial motor vehicle drivers and common errors made during the hiring practice. These errors and omissions can often lead to costly fines and penalties. The presentation will also include an update on changes for the New Year.

Bio: Mr. Edwards began his transportation career in 1975 with the USDOT and later moved to the private sector. He was hire by the Michigan Trucking Association and the Center for Truck Safety in 1990 to help develop a comprehensive educational program for the trucking industry in Michigan. Much of Ron’s work involves the education of management and drivers with the many state and federal trucking regulations governing the trucking industry. He also serves as liaison between the industry and the regulatory community. He has recently received an award from the US Department of Transportation for his many years of service to the trucking industry.

“HAZMAT Identification & Proper Handling”

Tuesday 1/6/15 - 9:30AM to 10:30AM and 2:30PM to 3:30PM

Presented by: Detective Sergeant Steven Spink [Michigan State Police]

There will be discussion on Meth awareness, statistics on methamphetamine production and what to look for.

Bio: Steven Spink is a Michigan State Police Detective Sergeant with 32 years on the job. His current position is State Meth Coordinator. Detective Sergeant Steven Spink has oversight of methamphetamine investigation department program.

“Competent Person/Boom Certification/Counterweight Stickers/Confined Space/Electrical Issues”

Tuesday 1/6/15 - 10:30AM to 11:30AM and 12:30PM to 1:30PM

Presented by: Jim Getting [MIOSHA]

MIOSHA rules have been changing at a fast pace for the last few years. MIOSHA has eliminated over 600 unnecessary rules and altered over 1000 rules. This session will discuss notable changes to rules that are common to your industry and review many other rules that important to safety in your industry. Some areas covered include general requirements, personal protective equipment, cranes, excavation and excavation equipment, electricity, and confined spaces.

Bio: Jim Getting has a Doctoral degree in Industrial and Organizational Psychology from Auburn University. He is also a Certified Safety Professional. Dr. Getting has over 20 years of experience as a safety professional. Jim was appointed to MIOSHA’s Consultation Education and Training (CET) Division in 2007. He provides safety training and consultation services primarily in the Southwest counties of Michigan. Prior to joining MIOSHA, Jim worked as Safety Director for several construction companies and worked as a safety professional in the Workers Compensation Insurance industry.

TRACK III- ROOM 103-A

“Onsite Pumps”

Tuesday 1/6/15 - 8:30AM to 9:30AM and 10:30AM to 11:30AM and 1:30PM to 2:30PM

Presented by: Bill Morris [Pentair – (Retired)]

Bill will discuss onsite wastewater pumps, there design, applications and failure modes.

Bio: Bill Morris has 45-years of industry duties concerning pumping and treatment equipment. He has

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been in sales, product management, marketing, research & development. Bill was also a training center trainer.

“Installation, Operation, and Trouble-shooting of Pump Controls”

Tuesday 1/6/15 - 9:30AM to 10:30AM and 12:30PM to 1:30PM and 2:30PM to 3:30PM

Presented by: **Brett Wilfong (Regional Sales Manager) SJE Rhombus**

Presentation will discuss the best methods for installing wastewater pump control panels and float switches, things that can lead to premature pump system failures, and trouble-shooting pump systems when problems do occur. We will also cover some basic electrical theory, control panel components, and how to read an electrical schematic. This should serve as good introduction to anyone wanting to learn more about installing and trouble-shooting wastewater pump systems. It can also be used as a refresher for industry veterans.

Bio: Brett Wilfong is Distributor Sales Manager for SJE-Rhombus, a leading manufacturer of water and wastewater controls located in Detroit Lakes, MN. His responsibilities include working with manufacturer’s representatives, wholesale distributors and contractors throughout the United States and Canada. Brett has over 20 years of sales experience in the water and wastewater industries and regularly participates in state Onsite Association events around the country. In his spare time, he enjoys hunting and fishing, snowmobiling, competing in extreme obstacle races, and spending time with his wife and three daughters on their hobby farm in west central Minnesota.

TRACK IV- ROOM 103-B

“Septic Tank Access and Security New Technology”

Tuesday 1/6/15 - 8:30AM to 9:30AM and 10:30AM to 11:30AM and 1:30PM to 2:30PM

Presented by: **Marty Derocco [Milan Supply]**

Marty Derocco has worked for Milan Supply Company 24-years. The last 18-years he has been involved in the on-site wastewater market, working with engineers, contractors and health departments on advance treatment systems as well as conventional and pump systems.

“Septic Pump System’s Do’s & Don’ts”

Tuesday 1/6/15 - 9:30AM to 10:30AM and 12:30PM to 1:30PM and 2:30PM to 3:30PM

Presented by: **Ron Lindsay [Milan Supply]**

Good Pump Installations

Bio: Ron Lindsay is a Geologist and previously worked as an Environmental Consultant conducting investigations and groundwater and soil remediation. During the past 18 years, Ron has worked at Milan Engineered Systems, specializing in the Onsite Wastewater Treatment Industry.

TRACK V- ROOM 104-A

“Vacuum Pump Maintenance & Repair”

Tuesday 1/6/15 - 8:30AM to 9:30AM and 10:30AM to 11:30AM and 1:30PM to 2:30PM

Presented by: **Mike Rost [National Vacuum Equipment]**

This session we will cover the following: How pumps work, Understanding the vacuum truck and related components, why vacuum pumps fail, Sizing pumps, understanding relationship between CFM and Vacuum, Trouble-shooting, Hi-Vac Blowers and Q&A session.

Bio: Mike has over 27 years of experience in the vacuum truck industry. He has extensive experience serving the vacuum truck OEM market throughout North America. Mike has a vast knowledge with vane pumps, sizing and trouble-shooting vacuum systems, hi-vacuum blowers, truck components, field training and rebuilding machines. He has worked with the OEM’s and the end users in the following markets; portable toilet, grease, septic, oil & gas, dewatering, stationary systems, and commercial. Mike has

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personally operated vacuum trucks to help him truly understand the systems and what is required to get the job done. He has a Bachelor's degree in Marketing from the University of Northern Iowa.

“Septage Treatment Equipment Options”

Tuesday 1/6/15 - 9:30AM to 10:30AM and 12:30PM to 1:30PM

Presented by: **Scott Kafka [Hamlett Environmental Technologies Co.]**

Further processing of septage tank waste is a growing topic of discussion as Septic Haulers face reductions in available land and tighter regulatory restrictions. Once the septage is collected from Residential and Industrial clients and brought to a central location, there are many different options available for handling and further treatment of the waste. This presentation will discuss the typical characteristics of septage waste, and review treatment equipment options, such as grinding, screening, clarification, dewatering, etc. to provide varying degrees of additional treatment.

Bio: Scott Kafka graduated from Michigan State University with a BS degree in Civil Engineering emphasizing in Environmental Engineering and is a licensed Professional Engineer in the State of MI. He has been involved in the Water and Wastewater treatment field for over 20 years, first designing treatment systems at Aqua-Aerobic Systems and has been back in Michigan with Hamlett Environmental Technologies Co. as a Manufacturer's Representative since 1997. He is a member of MI-AWWA and MWEA, and is involved with several committees within these organizations. He provides design and equipment selection assistance to Owners, Operators, and Consultants for water and wastewater treatment equipment.

“Panel - Watertight Durable Precast Concrete Wastewater Structures”

Tuesday 1/6/15 10:30AM to 11:30AM [Lincoln Room] 2:30PM to 3:30PM [In Room 104-A]

Presented by: **Claude Goguen, PE, LEED AP [National Precast Concrete Association] & Dan Wagner (Co-Owner) [Milan Vault, Inc.]**

An effective decentralized wastewater treatment system depends on many factors. One of them is the durability and water tightness of the containment vessels, whether they be septic tanks, grease interceptors, pump tanks, aeration chambers or distribution boxes. This session will cover topics of water tightness and durability of precast concrete tanks and boxes based on manufacturing and installation best practices. We will also examine what producers are doing to enhance durability of these structures to help extend the service life of the system.

Bio(s): Above

TRACK VI- ROOM 104-B

“Healthcare Reform Update”

Tuesday 1/6/15 - 8:30AM to 9:30AM and 10:30AM to 11:30AM and 1:30PM to 2:30PM

Presented by: **Carolyn Miller [General Agency Company]**

Healthcare Reform became law in 2010. How it has changed since then and how it will change in the future will be discussed.

Bio: Carolyn joined the General Agency Company in 1991 as an Account Executive and later advanced to an Agent and Employee Benefits Supervisor. She currently heads up the Employee Benefit division at the General Agency Company and serves on the management team. She holds a Life and Health agents license, and is a Licensed Insurance Counselor. She has earned the Life Underwriter Training Council Fellow designation, attended Davenport University, and has 30 years in the insurance business. Carolyn is a member of the National Association of Insurance and Financial Advisors. She served as President of the Central Michigan local twice, and was the State President in 2010-2011. She currently participates in PALS (Professional Advancement of LILI Studies). Carolyn continues to further her education by studying

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insurance and taking classes to keep current on the evolving employee benefit market. Carolyn volunteers with community civic organizations.

“Maintaining your Private Well and Septic System”

Tuesday 1/6/15 - 9:30AM to 10:30AM

Presented by: David Janette

[Janette & Son’s Excavating & Septic Service]

Water Well Systems 101 including: How your well works, maintaining your well; and working together. Sewage Dispersal Systems 101 including: How your septic system works, maintenance DOs and DON’Ts, regulations, Q & A. This program is taught to homeowners throughout Oakland County. It is the combined effort of the following associations; OCSIA, MGWA & OCHD.

Bio: David Janette, President of the (OCSIA) Oakland County Septic Installers Association and owner of Janette & Son’s Excavating and Septic Service began his career in 1978. Because of David Janette’s hard work, honesty and dedication he has become a well-known name in Oakland & Livingston Counties. His company serves Residential & Commercial customers. In 2008, because changes and regulations were needed in the Oakland County Health Department, David formed (OCSIA) Oakland County Septic Installers Association. After 4 years of working with key figures at the health department, regulations were put in place for all Oakland County Septic Installers.

“Today’s Portable Sanitation Business”

Tuesday 1/6/15 – 12:30PM to 1:30PM and 2:30 to 3:30PM

Presented by: Ray Luden, Jr. [PolyJohn Enterprises Corporation]

Today’s Portable Sanitation Business session will touch on many topics as they relate to the industry. It is my intention to focus on the issues and challenges facing you, the operators and the industry as a whole. As with all presentations I have done, I choose not to stand on the stage and lecture. I find it best for the

group as a whole, that issues that mean the most to you are touched upon and I always take questions from the audience and often ask questions of the audience as well. This year I will touch on rental sector, succession plans, service techs and end user trends, It will be fast paced, fun and insightful and I’d hope to have you leaving the room with fresh ideas and thinking, “what can I do to make my business better.”

Bio: Ray Luden, Jr. has been involved in the portable restroom industry for almost 35-years in many capacities. He spent 20-years on the operations side grooming and growing the family business Farnham Sanitation Systems. He often jokes that he went to Farnham Academy and learned great business lessons from his father. Those lessons are the basis of his workings to this day. In 1999 he took the opportunity to join the PolyJohn team and have been with them ever since, now working on his 16th year with them. To have seen his kids grow in that time and watch Derek Jeter’s career fly by makes him wonder where the time goes. It’s hard to really believe we are back here again already.

LUNCH – BIG TEN A&B ROOM

Tuesday 1/6/15 11:30AM to 12:30PM

CASH PRIZE DRAWING IN EXHIBIT HALL

Tuesday 1/6/15 3:00PM to 5:30PM

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2015 Michigan Onsite Wastewater Conference “WASTEWATER AS A RESOURCE”



Wednesday Course Descriptions

January 7th – Courses run from 8:30AM to 3:30PM

Exhibits open from 8:00AM to 4:00PM

JOINT SESSIONS – BIG TEN ROOM

INTRODUCTION

Bill Gregory (MOWRA)

Wednesday 1/7/15 8:30AM

“Legislative Update on Septic Issues”

Wednesday 1/7/15 - 8:30AM to 8:45AM

Presented by: Michigan State Representative Ken Goike (Special Guest)

Bio: Michigan State Representative Ken Goike was first elected to the Michigan House of Representatives in November 2010 and represents Armada, Lenox, Ray and Richmond townships, as well as parts of Macomb Township, the city of Memphis and the city of Richmond. Representative Goike is the owner of Goike Trucking and Excavating and also has experience working in agriculture, septic, and water delivery. Goike is the current president of the Armada Fair, and is a member of the Michigan Farm Bureau, Armada Agricultural Society and is a past president of the Michigan Septic Tank Association. Representative Goike will give an update on what septic related issues passed during the 2013-14 Legislature and give a look ahead on what to expect as the 98th Legislature is sworn into office

“Wastewater as a Resource”

Wednesday 1/7/15 - 8:45AM to 10:00AM

Presented by: Dr. John Buchanan - Keynote [University of Tennessee]

Wastewater is just water that contains waste products. For most of human existence we have used water to wash our bodies, our food, and carry away the by-products of our metabolism. Any water that comes into contact with these waste products becomes wastewater and must be treated as such. However, are all of our waste products really “waste?” A basic definition of waste is an “unwanted product.” And certainly the products that we deal with in septic systems are unwanted. But are they truly waste products? Another definition of wastes could be

“products that no longer have value.” With this definition, our so-called waste products may really be undervalued resources, and as a resource, they can be used for something productive. This session will focus on wastewater as a resource. Recovering water from wastewater is the primary objective, but we will also look at recovering nutrients, organic matter, and energy.

Bio: Dr. John R. Buchanan is an Associate Professor and is on the faculty of the Biosystems Engineering and Soil Science Department at the University of Tennessee. He has 25 years of teaching, research, and outreach experience in the areas of onsite and decentralized wastewater management, water quality and storm water engineering. Dr. Buchanan has B.S. and M.S. degrees in Agricultural Engineering and a Ph.D. in Civil Engineering, all from The University of Tennessee. John is a member of the Water Environment Federation, Soil and Water Conservation Society, NOWRA, and the American Society of Agricultural and Biological Engineers. He is a registered professional engineer in Tennessee.

“Michigan Water Strategy”

Wednesday 1/7/15 - 10:15AM to 11:15AM

Presented by: Jon W. Allan [Director of the Michigan Office of the Great Lakes]

Governor Rick Snyder has tasked the state government of Michigan with creating a vision for how it will manage water quality and quantity in the near and not-so-near future. The “water strategy” aims to steer water-related policy in all forms for the next 30 years toward sustainable, beneficial use. Jon Allan will discuss the partnership established with the Department of Natural Resources, the Department of Environmental Quality, the Department of Agriculture and Rural Development and the Economic Development Corporation and the efforts being taken to establish Michigan’s Water Strategy.

Bio: Jon Allan comes to the Office of the Great Lakes with a strong background in fisheries, wildlife and the aquatic sciences. With several decades of experience in environmental policy and law, he has taught courses in

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Wednesday Course Descriptions

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Exhibits open from 8:00AM to 4:00PM

biology, ecology, environmental impact assessment and marine biology and island ecology at Michigan State University and other institutions. His research on wetlands, stream ecology, impact assessment and water policy has been published in journals in Canada and the United States. Time and again, organizations and individuals have called on Director Allan to participate in and lead environmental planning in Michigan and the Great Lakes region.

BREAK IN EXHIBIT HALL

Wednesday 1/7/15 11:15AM to 12:00PM

LUNCH – BIG TEN A&B ROOM

Wednesday 1/7/15 12:00PM to 1:00PM

TRACK I - LINCOLN ROOM

“Onsite Systems: Past, Present & Future”

Wednesday 1/7/15 - 1:00PM to 2:00PM

Presented by: **Dr. John Buchanan** [University of Tennessee]

We should be proud of what we have accomplished; in the United States (and in most of the developed World) we have been successful in separating humans from their waste products. Except in times of emergencies, it is rare that we hear of people contracting cholera, typhoid and other diseases associated with coming into contact with an infected person’s wastes. Long before we understood the association of diseases with wastewater, we knew it smelled bad, and we worked hard to make that smell go away. When water was hauled by buckets, we did not generate much wastewater and privies were a very effective means of sanitation (albeit uncomfortable). With electrification came pressurized potable water delivered to our taps. With inexpensive water came the increased production of wastewater, which needed to be “disposed of.” In 1957, the U.S. Department of Health published the “Manual of Septic Tank Practice,” the original model

code for standardizing the design and installation of septic systems. While our industry has changed since 1957, much of what we do has stayed the same. We still depend on the soil to provide final treatment. My vision of our future is we will have less dependence on the soil as a treatment system. The soil is a limited resource; it is not necessarily available where people want to build their home. We often tell people that you cannot build on that lot because the soil will not “perk.” I believe that, in the near future, this response is going to become political suicide for the regulatory community. Our industry must develop new means of treating wastewater that are not as dependent on the soil. This session will take a glance into the future and look at some alternative strategies for managing wastewater with onsite systems.

Bio Above:

BREAK IN EXHIBIT HALL

Wednesday 1/7/15 - 2:00PM to 2:30PM

MOWRA BUSINESS MEETING - LINCOLN ROOM

Wednesday 1/7/15 - 3:30PM to 5:30PM

TRACK II- AUDITORIUM

“Septage from the Cradle to the Grave”

Wednesday 1/7/15 - 1:00PM to 2:00PM

Presented by: **Therese Wheaton** [Crystal Environmental]

Liquid waste processing sites continue to meet the needs of pumper haulers across the USA. This presentation will include some of the inspirations of those who have forged ahead and solved local and regional liquid disposal problems. These systems from 5000 gallons per week to 450,000 gallons per day are being operated across the country and solving local and regional liquid waste disposal needs.

Bio: Crystal Environmental continues to service and optimize dewatering facilities. In the mid 90’s, they focused on supplying equipment for the Pumpers

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successfully handling septic, grease trap and industrial concentrated waste streams. Their experience in matching business goals with local, state and federal guidelines has been paramount in their success. These systems from 5000 gallons per week to 450,000 gallons per day are being operated across the country and solving local and regional liquid waste disposal needs.

BREAK IN EXHIBIT HALL

Wednesday 1/7/15 2:00PM to 2:30PM

“MDEQ Question & Answer Session”

Wednesday 1/7/15 - 2:30PM to 3:30PM

Presented by: MDEQ Septage Program Staff

Matthew Campbell [MDEQ]

Dr. Ebi F. Burutolu [MDEQ]

Matt Rockhold [MDEQ]

Staff from the MDEQ Septage Waste Program will answer written questions submitted by those in the septage waste industry and others who are interested in program. The Q & A session presents an opportunity for haulers and others to ask the Septage Program staff and get answers to written questions about Part 117, the state law that governs the servicing of septage waste in Michigan. The Septage Program has also posted answers to frequently asked questions in its website at: www.michigan.gov/septage.

Bio: Matt has been the Septage Waste Program Coordinator since May 2000. Prior to that he worked in the state’s Surface Water Quality Division when he was hired by the DNR in 1993. Since 2000 Matt has overseen many program changes and has survived 3 Governors and numerous changes within the DEQ itself. As you can see he’s still here and has no immediate plans to retire at this time – although that may change depending how this Q & A goes.

Bio: Ebi is currently working for the Michigan Department of Environmental Quality as a Soil Scientist. He works with septage haulers, with emphasis on those that apply septage waste to authorized land sites. His interest is in educating

septage waste haulers and farmers on ways of maximizing the use of a valuable resource such as septage waste in crop production. The goal is to improve the efficient application of septage waste and protect the environment. Prior to coming to the Department of Environmental Quality, Ebi had worked for several years in a Local Health Department in Michigan on environmental health issues. Furthermore, he had also worked as an agricultural extension officer and agricultural consultant. Ebi also taught crop and soil sciences /agronomy in a university abroad.

Bio: Matt has worked for the State of Michigan since 2000. He worked with the Department of State from 2000-2012. His last job with the Department of State was an investigator of complaints of dealerships, repair facilities, and mechanics. Matt started with MDEQ in 2012. He has enjoyed being the registration technician for the Septage and On-Site Wastewater Programs.

MSTA BUSINESS MEETING – AUDITORIUM

Wednesday 1/7/15 - 3:30PM to 5:30PM

MOWRA BUSINESS MEETING - LINCOLN ROOM

Wednesday 1/7/15 - 3:30PM to 5:30PM

SOCIAL HOUR – BIG TEN A CASH PRIZE DRAWINGS

Wednesday 1/7/15 5:30PM to 6:30PM

MSTA BANQUET – BIG TEN A (TICKET REQUIRED)

Wednesday 1/7/15 6:30PM

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JOINT SESSION – BIG TEN ROOM

Thursday 1/8/15 - 8:15AM to 11:15AM

Round Table DISCUSSIONS

*[SEE THE ROUNDTABLE ROOM GUIDE MAP
ON LAST PAGE OF PROGRAM]*

(6-sessions at 30-minutes each)

1. Winter Freezing Issues
Facilitator: **Raymond Daniels (Daniel’s Septic Service)**
2. Affordable Health Act Update
Facilitator: **Carolyn Miller, LUTCF (Producer) The General Agency Company**
3. Today's Portable Sanitation Business
Facilitator: **Ray Luden, Jr. (Area Business Manager) PolyJohn Enterprises Corporation**
4. Web Sites & Marketing
Facilitator: **Amy Guenther (Heroic Results Marketing)**
5. Proper Techniques for Solvent Welding Plastic Joints Facilitator: **R. Scott Deckrow (Burke Agency, Inc.)**
6. Septic Leak Testing
Facilitator(s): **Claude Goguen (National Precast Concrete Association) & Dan Wagner (Milan Vault Inc.)**
7. Good Pump Installations
Facilitator(s): **Ron Lindsay (Milan Supply) & Mike Stephens (Stephens Consulting Services, PC)**
8. Portable Toilets [Fleet Maintenance]
Facilitator(s): **Deric Boggs & Sara Brownlee (Satellite Industries)**
9. Vacuum Pump Maintenance
Facilitator: **Mike Rost (National Vacuum Equipment)**

10. Homeowner Education
Facilitator(s): **Bindu Bhakta and Terry Gibb (MSU Extension)**
11. Benefits of Septage Storage
Facilitator(s): **Joe Hall (Hall's Serv-All) Joe Williams (Williams Pumping Service)**
12. Fats, Oil & Greases in the Drain Field
Facilitator(s): **Yoonsuk Dong, Jeff Ostahowski & Steve Safferman (MSU)**
13. Local Health Department Issues
Facilitator(s): **Joel Kwiatkowski (Bay County Health Department) & Randy Rapp, R.S. (Allegan County Health Department)**
14. Septage Processing 2014
Facilitator: **Therese Wheaton (Crystal Environmental)**
15. Class-5 Injection Wells
Facilitator: **Ross Micham (U.S. EPA Region 5)**
16. Dental Wastewater and Eliminating Mercury
Facilitator: **Nate Koster (Anterior Quest)**
17. "Getting Paid Right Away" Credit Card Processing Considerations
Facilitator: **Tim Moran (Alternative Payment Solutions)**

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MORE ROUNDTABLE INFO:

1. Winter Freezing Issues

Facilitator: **Raymond Daniels (Daniel's Septic Service)**

Bio: Ray Daniels has been in the septic pumping business since March 1977 and in the portable toilet business since 1981.

2. Affordable Health Act Update

Facilitator: **Carolyn Miller, LUTCF (Producer) The General Agency Company**

Healthcare Reform became law in 2010. How it has changed since then and how it will change in the future will be discussed.

Bio Above

3. Today's Portable Sanitation Business

Facilitator: **Ray Luden, Jr. (Area Business Manager) PolyJohn Enterprises Corporation**

Today's Portable Sanitation Business, will touch on many topics as they relate to the industry. It is my intention to focus on the issues and challenges facing you, the operators and the industry as a whole.

Bio Above

4. Web Sites & Marketing

Facilitator: **Amy Guenther (Heroic Results Marketing)**

Bio: Amy loves teaching business owners how to get new leads using the internet. For the past 8 years she has grown a boutique-style web design and internet marketing business where she provides services for clients. But her specialty is teaching others how to do their own online marketing.

5. Proper Techniques for Solvent Welding Plastic Joints Facilitator: **R. Scott Deckrow (Burke Agency, Inc.)**

The Solvent Welding Process in accordance with ASTM D2855 standard covering: Basic principles of

solvent welding; Proper techniques for solvent welding plastic joints; Importance of correct sized applicators, Set and cure times; Solvent welding tips; hot and cold weather; Causes of failed joints; Repairs and Safety precautions.

Bio: Scott is an Independent Sales Representative for the Burke Agency Inc. Representing 18 Innovative Plumbing and Heating Manufacturers throughout Michigan for the past 20 years.

6. Septic Leak Testing

Facilitator(s): **Claude Goguen (National Precast Concrete Association) & Dan Wagner (Milan Vault Inc.)**

An effective decentralized wastewater treatment system depends on many factors. One of them is the durability and water tightness of the containment vessels, whether they are septic tanks, grease interceptors, pump tanks, aeration chambers or distribution boxes.

Bios Above

7. Good Pump Installations

Facilitator(s): **Ron Lindsay (Milan Supply) & Mike Stephens (Stephens Consulting Services, PC)**

This roundtable will discuss how the quality of the installation and careful attention to details can result in a well-functioning system that is easy to operate and maintain.

Ron Lindsay - Bio Above

Bio: Mike Stephens has worked in the operation and maintenance of onsite systems for 17 years. He is a DEQ certified WW operator, and operates various types of treatment systems. SCS Systems operates individual, commercial, and community systems by contract in 19 different counties across Michigan.

8. Portable Toilets [Fleet Maintenance]

Facilitator(s): **Deric Boggs & Sara Brownlee (Satellite Industries)**

Bio: Deric Boggs worked in service side of the business for 23-years for a very successful rental

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company in the Northwest. He has worked for Satellite Industries the last 8-years.

Bio: Sara Brownlee has spent eight years in the portable restroom deodorizer field as a deodorizer specialist in the Eastern US

9. Vacuum Pump Maintenance

Facilitator: **Mike Rost (National Vacuum Equipment)**

We will discuss issues regarding vacuum and blower pumps. Lots of Q&A.

Bio Above

10. Homeowner Education

Facilitator(s): **Bindu Bhakta and Terry Gibb (MSU Extension)**

Bindu Bhakta and Terry Gibb will give a short overview of septic system education in MI and facilitate a discussion with participants during the roundtable session, including discussion about educational materials that are needed.

Bio: Bindu Bhakta has served as a Water/Natural Resources Educator for Michigan State University Extension (MSUE) based in Oakland County since November 2005. She earned a double Bachelor's Degree from University of Michigan in 1995 in Natural Resource Management (School of Natural Resources) and Anthropology-Zoology (School of Literature, Science and Arts). She earned her Master's Degree from Cornell University in the Department of Floriculture and Ornamental Horticulture in 2001. She currently develops and delivers public education programs on a variety of topics such as natural shorelines on inland lakes, lake ecosystems, landscaping for water quality, climate change, and invasive species management. She also offers educational programs for homeowners on onsite wastewater management as part of MSUE's Comprehensive Onsite Wastewater Education initiative, together with several MSU/MSUE colleagues. Bindu also helps coordinate MSUE's Michigan Conservation Stewards volunteer training Program.

Bio: Terry Gibb joined MSU Extension (MSUE) as a Natural Resources/ Public Policy Educator in 1990. Prior to that, she was Executive Director of Concern Detroit, Inc., a Detroit-based non-profit environmental organization. Since coming to MSUE, she has worked in areas of natural resources including water quality, land use, waste management, energy and community development where she had developed a number of water quality educational programs for adults and youth. She has worked in land use education and completed surveys on local land use needs and perceptions. She currently is a Natural Resources and Government/ Public Policy Educator focusing on water quality issues and community fiscal sustainability. Ms. Gibb has a teaching certificate in secondary education and is a certified Housing counselor. She has a Bachelor's degree in Consumer Economics and Master's degree in Teaching/Education both from Wayne State University.

11. Benefits of Septage Storage

Facilitator(s): **Joe Hall (Hall's Serv-All)**

Joe Williams (Williams Pumping Service)

Joe Hall built his 600,000-gallon Septage Storage Facility in 2003. He has found it very beneficial to his business and would like to share some of these advantages with you.

Bio: Joe Hall is the current president of the Michigan Septic Tank Association. He is the Owner/Operator of Hall's Serv-All septic service. Joe has been in business 31-years.

Bio: Joe Williams is the current secretary of the Michigan Septic Tank Association. He is the Owner/Operator of Williams Pumping Service.

12. Fats, Oil & Greases in the Drain Field

Facilitator(s): **Younsuk Dong, Jeff Ostahowski, & Steve Safferman (MSU)**

This round table will focus on the effect fats, Oil, and greases have on drain fields. Technologies to pretreat wastewater before application will be reviewed

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including using enzymes to break down long-chain fatty acids. The current research conducted by MSU and Sustainable Environmental Technologies will be discussed.

Bio: Younsuk Dong is currently a master student, and received Bachelor of Science of Biosystems engineering, at Michigan State University. He has an experience on using a nano-enhanced reactive iron media for removing phosphorus from onsite wastewater treatment. In addition, he has worked on the Michigan Waste Biomass Inventory to Support Renewable Energy and Anaerobic Digestion Development Iterative Tool.

Bio: Jeff Ostahowski is a founding member, and co-owner of Sustainable Environmental Technologies Inc. Inventor and holder of three patents. Writer with three novels and a book of poetry. Professional background, a decade as US Congressional aide to Congressman Dale Kildee, two decades as resource development and governmental relations with General Motors.

Bio: Dr. Steve Safferman is an Associate Professor in the Department of Biosystems and Agricultural Engineering at Michigan State University. He has a research, extension, and teaching appointment. Previously he served as a faculty member at the University of Dayton and an environmental engineer at the U.S. Environmental Protection Agency. He has a M.S. and Ph.D. in environmental engineering and a B.S. in civil engineering, all from the University of Cincinnati, and holds an Ohio professional engineering license. Steve’s research and extension programs entail system designs for waste to resource technologies, waste phosphorous management and recovery systems, and holistic, innovative food processing and animal residual management.

13. Local Health Department Issues Facilitator(s):
Joel Kwiatkowski (Bay County Health

Department) & Randy Rapp, R.S. (Allegan County Health Department)

We will be discussing the challenges installers/contractors have working across jurisdictional boundary lines. We will be asking the problems or delays encountered working in an area that has different county sanitary codes. I have a great interest in the continuation of improving upon our technologies and techniques in onsite wastewater treatment. In Bay County I’ve developed application for the Eljen Geotextile Sand Filter System with great success which has now been applied all over Michigan. I welcome new challenges and hope to share my knowledge and experience with other wastewater professionals.

Bio: Joel Kwiatkowski has an environmental health degree from Ferris State University and became a registered sanitarian in 1994. He worked for the Lenawee County Health Department from 1991-1994 and The Bay County Health Department from 1994-Present. Joel is currently the Water Supply and Sewage System Coordinator for the Bay County Health Department.

Randy Rapp Bio Above

14. Septage Processing 2014

Facilitator: **Therese Wheaton (Crystal Environmental)**

Liquid waste processing sites continue to meet the needs of pumper haulers across the USA. Discussion of some of these sites will be the topic of this roundtable.

Bio Above

15. Class-5 Injection Wells

Facilitator: **Ross Micham (U.S. EPA Region 5)**

The Safe Drinking Water Act requires EPA to protect underground drinking water sources from contamination. The Underground Injection Control program regulates the disposal of fluids through wells,

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drain fields and other mechanisms below the ground surface. Because Michigan has not sought authority for the program, EPA regulates injection wells in the State. Many types of onsite wastewater treatment or disposal systems are UIC wells, however most owners and operators of these systems do not know they are also regulated by EPA. This presentation describes the UIC program, which onsite systems are regulated as Class V wells, and the requirements for system owners and operators in Michigan.

Bio: Ross Micham is a Geologist with the U.S. EPA, Underground Injection Control Program, in Chicago. His experience for the last 24 years includes working with state and local governments and businesses on the regulation of disposal wells and onsite wastewater systems in Michigan. Prior to EPA, Ross worked for private industry and as an environmental consultant.

16. Dental Wastewater and Eliminating Mercury

Facilitator: **Nate Koster (Anterior Quest)**

Nate will be discussing the current regulations on Amalgam Separation, talking through the Dentists options and what municipality members should see if they are inspecting. He will also demonstrate what Anterior Quest does and how they collect and contain 100% of the dental waste. He will discuss their recycling facility how they are the only ones nationwide eliminating mercury from the water.

Bio: Anterior Quest is an amalgam containment company based out of Jenison, MI. They are currently the only company containing 100% of dental waste and prevent any mercury from entering the waste stream. They are also the only company nationwide recycling dental waste and returning mercury free water to the waste water stream.

17. "Getting Paid Right Away" Credit Card Processing Considerations

Facilitator: **Tim Moran (Alternative Payment Solutions)**

Credit card processing, mobile options, B2B (Business-to-Business) and virtual terminal will be discussed.

Bio: Tim is a business owner from the Muskegon area. He has been in business for 10-years and a Michigan Septic Association member (MSTA) for 4-years. Tim provides both great pricing and service to other MSTA members.

TRACK II - AUDITORIUM

“Meth Awareness with Portable Toilets & Septic Tanks”

Thursday 1/8/15 - 11:30AM to 12:00PM

Presented by: Sergeant Chris Crawford (Clinton County Sheriff Department)

Bio: Since being employed Sergeant Crawford has investigated hundreds of drunken driving, license violation, and drug violation incidents. Most of these are a result of aggressive traffic enforcement and thorough investigations. He has been able to investigate numerous criminal and civil complaints spanning from homicides to property line disputes. Sergeant Crawford has been on the Clinton County SWAT team for over five years and has been a part of several operations involving fugitive capture, drug operations, and barricaded/hostage incidents. Since being a Meth team operator and site safety officer he has handled and dismantled over 30 meth labs. Due to a large increase in meth labs in Clinton County Sergeant Crawford has been able to form and supervise a meth response team. He has been teaching meth awareness training since 2009 and instructed classes for police officers, fire fighters, EMS, and Department of Human Services. Sergeant Crawford has served on the Clinton County Accident Reconstruction Team since 2005, has been able to investigate several hundred traffic crashes and several fatal crashes. He has been able to train 11 Deputies since becoming a Field Training Officer. As of 2014 Sergeant Crawford became a Field Training Officer Supervisor, and is able to oversee all training of new Deputies. He has been trained as a Deputy Medical Examiner since 2004 and

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investigated numerous deaths including natural, suspicious, and homicides. Since 2009 Sergeant Crawford has been helping coordinate the night problems portion of the Police Academy at Lansing Community College. He has instructed officers in the proper tactics while dealing with an active violence incident (school shooting) since 2008. This training has taken place at local high schools and involves all officers in Clinton County.

LUNCH – BIG TEN A&B ROOM

Thursday 1/8/15 - 12:00PM to 1:00PM

TRACK I - LINCOLN ROOM

“Preparing Yourself for Dog Encounters Dog Bite Prevention Training”

Thursday 1/8/15 - 1:00PM to 3:00PM – NOTE 2-hour session

Presented by: **Hector Hernandez (First Class Dog Training)**

Hector L. Hernandez is an Author, speaker, and trainer. He has over 20 years of experience with testing and training all breeds of dogs aggressive or not, has made him well rounded and recognized as the foremost authority in the United States for dog bite prevention. His training workshops were developed and tested by him, he conducts presentations for various groups of professionals and business teach them how to prepare for dog encounters. In these sessions, he teaches a wide range of people how to protect themselves in dangerous situations with dogs. He demonstrates how “reading the dog’s body language” can tell you the difference between a harmless encounter and a potentially dangerous one, and what to do about each situation. His speaking technique will make you laugh, while also making you think seriously about dog behavior and how to stay safe in all kinds of dog encounters.

Bio Above

TRACK II- AUDITORIUM

“Food Safety Modernization Act & Good Agricultural Practices with Portable Restrooms”

Thursday 1/8/15 - 1:00PM to 2:00PM

Presented by: **Steve Washburn (PolyJohn Enterprises)**
& (Portable Sanitation Association International)

Bio: Steve Washburn has been with PolyJohn for eighteen years, initially as an area manager out of Eugene, Oregon and then relocating back to Whiting, Indiana. While in Whiting he has had numerous positions and currently holds the title of Special Projects Manager. He has been involved with developing new markets including working with agriculture regarding GAP requirements for portable sanitation. Over the past few years he has attended seminars held by USDA and FDA officials regarding the new federal food safety laws being enacted and attended seminars put on by major university agricultural departments who work with regional growers of fruits and vegetables regarding field sanitation and food safety requirements.

“Discussion on Statewide Sanitary Code”

Thursday 1/8/15 - 2:00M to 3:00PM

Presented by: **Randy Rapp [Allegan County Health Department], Dave Cotton [MDEQ] & Dale Ladouceur [MDEQ]**

We will be discussing the similarities and differences between the local health department’s Sanitary Codes. We will be pointing out the goals of the Local Health Departments and how each one accomplishes these. Also how we can work together in industry and regulatory entities to accomplish this.

Bios Above

PRIZE DRAWING IN AUDITORIUM [MUST BE PRESENT TO WIN]

Thursday 1/8/15 - 3:00PM

CONFERENCE ENDS

2015 Michigan Onsite Wastewater Conference "WASTEWATER AS A RESOURCE"



Michigan Onsite Wastewater Conference Speaker Contact Information

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Matthew Campbell (Environmental Quality Specialist)
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2015 Michigan Onsite Wastewater Conference

“WASTEWATER AS A RESOURCE”



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2015 Michigan Onsite Wastewater Conference

“WASTEWATER AS A RESOURCE”



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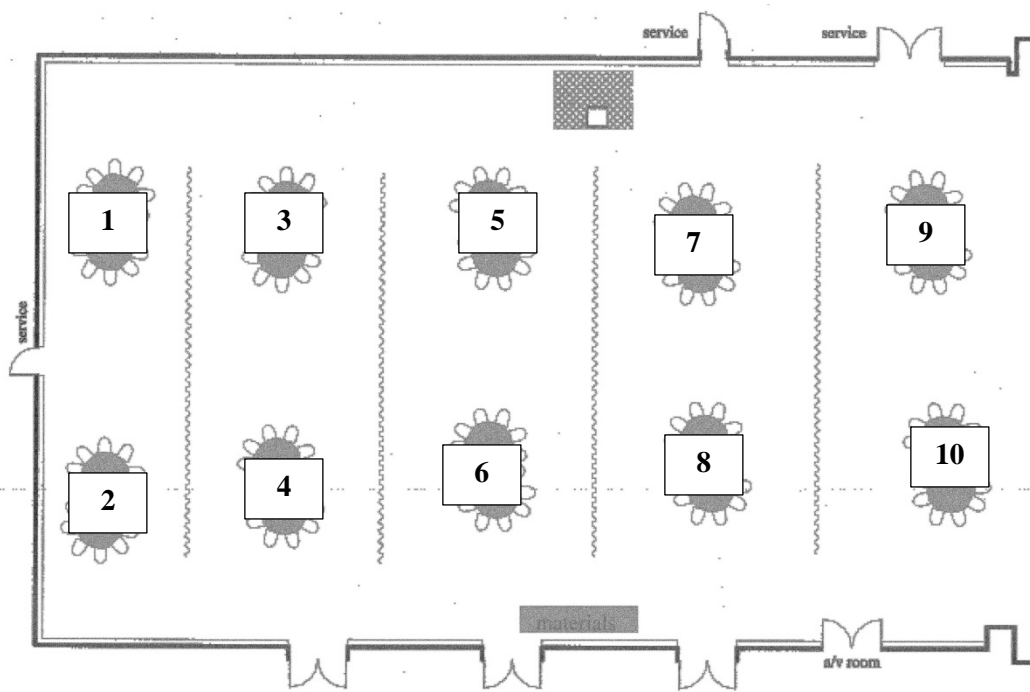
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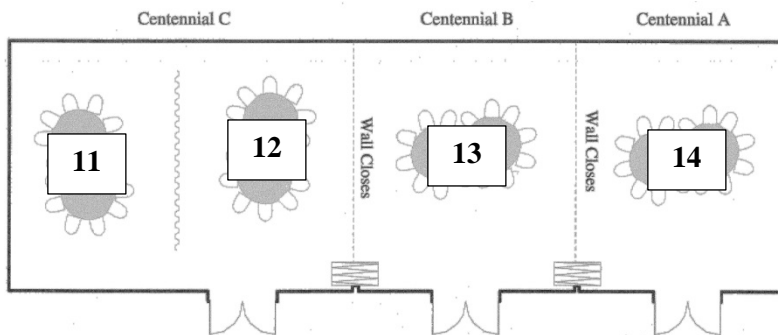
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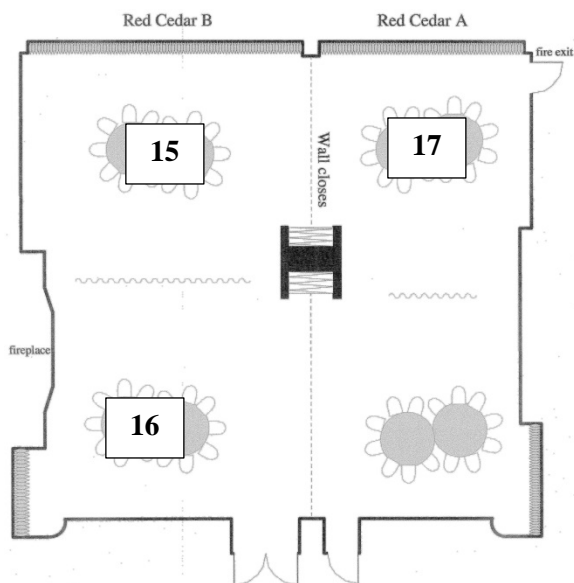
ROUNDTABLE ROOM GUIDE THURSDAY 8:15AM to 11:15AM



BIG TEN -A Room



Centennial A/B/C Room



Red Cedar Room

Round Table Discussions (6-sessions at 30-minutes each):

1. Winter Freezing Issues
2. Affordable Health Act Update
3. Today's Portable Sanitation Business
4. Web Sites & Marketing
5. Proper Techniques for Solvent Welding Plastic Joints
6. Septic Leak Testing
7. Good Pump Installations
8. Portable Toilets
9. Vacuum Pump Maintenance
10. Homeowner Education
11. Benefits of Septage Storage
12. Fats, Oil & Greases in the Drain Field
13. Local Health Department Issues
14. Septage Processing 2014
15. Class-5 Injection Wells
16. Dental Wastewater and Eliminating Mercury
17. "Getting Paid Right Away" Credit Card Processing Considerations

2015 Michigan Onsite Wastewater Planning Committee

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NEW COMMITTEE MEMBER

THIS IS YOU!

*WANT TO MAKE THIS ANNUAL CONFERENCE
EVEN BETTER?*

*PLEASE CONTACT ANY MEMBER ABOVE FOR
INFORMATION ON JOINING US FOR NEXT YEAR.*

CONFERENCE SPONSORS: MDEQ, MEHA, MOWRA,
MSTA, MSU, MWEA



Thank You for attending our conference

*Please mark your calendar for next year's
Michigan Onsite Wastewater Conference
scheduled for
January 12 -14, 2016*