



MASE Newsletter

MAINE ASSOCIATION OF SITE EVALUATORS

February, 2015

MASE Annual Meeting & Technical Seminar

February 24, 2015

Ramada Conference Center, Lewiston

If the endless piles of snow and frigid wind are making you blue, at least on your fingertips, then we recommend you take some time out to attend the 2015 MASE Annual Meeting and Technical Seminar. It won't take the place of a winter vacation to the tropics, but it is a grand time for Maine site evaluators. Whatever draws you to the annual gathering: heartwarming reunions, mesmerizing presentations, intriguing door prizes, wacky opinions, opportunities to beat up on public officials, or a meal that some describe as "not that bad;" at the end of the day everyone will take something home with them: a signed training certificate and renewed hope for the upcoming field season.

Please join us for this year's annual meeting, held once again at the Ramada Conference Center in Lewiston starting at 8:30 AM on Tuesday, February 24, 2015. An agenda and registration is contained within; please let us know by Feb 21 to reserve a meal. We hope to see you there!



Message From MASE President Dale Knapp



Greetings MASE members,

I feel as though I may have written this update for the newsletter more than a couple times over the last few years. Wanted to take a moment to let the membership know what we have been working on over the last calendar year and what we hope to get done this year.

First off I would like to those who have to deal with me all year long that serve on the MASE board, Amy Jones, Tim Wade, Richard Green, Roger St. Amand, and Bonnie Cobb. Glenn Angell and Dave Braley from the DEH are also consistently attending our board meetings and contributing to both MASE and the profession in very meaningful ways. I would also like to once again thank Earle Rafuse for regularly attending our meetings, his insight and attitude in always a welcome addition. Over the course of the year we have had several

members attend our meetings and bring their thought and issues to the table that they believe deserved out attention. Many thanks for those who participated.

I know last year was a busy one for many of you, I enjoyed hearing that. We held the field day in Gardiner this year and I enjoyed seeing many familiar faces as well as some people who attended interested in becoming LSE's. That was a new one. I know that is one area where we struggle as an organization is getting people involved in our profession. We are losing LSE's faster than we are gaining them. As our University programs offer fewer options in the course work necessary to become an LSE we are facing an issue.

For years on the board we have bounced around the idea of MASE funding some type of internship or training program for perspective LSE's to provide them with some type of stipend as well as the LSE who would be providing the training. This is a key component of what we are going to roll out and push forward in 2015. I will be presenting the draft Plan at the annual meeting this year. Please come prepared to share your thoughts and ideas on this topic.

Speaking of topics I would like to once again call you attention to our NEW website. This was an objective excellently spearheaded by Tim Wade. The website has a number of features and I want to thank all those involved in putting it together. It is our hope this will help you as members get more out of the organization in the years to come.

I will again ask for volunteers to serve on the board. Some members have been on the board for years and years..... We are looking for new ideas and people who are committed to actively participating in moving this organization forward.

In closing I again want to thank you all for trusting me with the reins of this operation and allowing me to do my best in serving the membership. Thanks again for your continued participation in MASE and see you at the meeting.....next week!

Best,
Dale Knapp
President MASE





MAINE ASSOCIATION OF SITE EVALUATORS

ANNUAL TREASURER'S REPORT 2014

Cash on Hand as of 12/31/13	\$ 8,656.67
Mutual Fund as of 12/31/13	\$ 13,537.76
Total Assets as of 12/31/13	\$ 22,194.43
<u>Income</u>	
Annual Meeting Registration	\$ 2,845.00
Annual Meeting Vendor Fees	\$ 1,700.00
Annual Dues	\$ 3,685.00
Eljen/Construction Consultants Donation for training	\$ 3,000.00
Golf Tournament	\$ 420.00
Fall Field Day	\$ 840.00
T-shirts	\$ 20.00
<u>Expenses</u>	
Annual Meeting	\$ 4,788.50
Gift	\$ 0.00
Envirothon Donation	\$ 1,000.00
John Toothaker Scholarship Fund	\$ 250.00
Golf Tournament	\$ 548.36
Fall Field Day	\$ 908.78
Insurance	\$ 1,206.00
Corporation Filing	\$ 35.00
Website (hosting fee)	\$ 209.40
Miscellaneous (copies, postage, printing)	\$ 385.38
Bank Fees	\$ 11.60
Legislative (ACEC)	\$ 500.00
Period of 01/01/14-12/31/14 Total Income:	\$ 12,510.00
	\$ 9,843.02
	-Total Expenses:
	\$ +2,666.98
Cash on Hand as of 12/31/14	\$ 11,323.65
Mutual Fund Balance as of 12/31/14	\$ 14,992.43
(+ \$1,454.67 from 12/31/13)	
Total Assets as of 12/31/14	\$ 26,316.08

SUMMARY OF MASE 2014 TREASURY REPORT

by Amy Jones, Treasurer

Well here we are again starting a new year and wrapping up loose ends from last year. I hope that 2014 was a good year for you all. It was certainly a good year for MASE financially. Total income for 2014 was \$12,510 with expenses of \$9,843.02 for an overall gain of \$2666.98. We actually brought in less money this year than last year by \$660, but we had less expenses--\$883 less—so our total gain was higher in 2014 (by \$223). Typically we like to come a little closer to coming out even, so be thinking of how we can spend some more money in the year to come.

The 2014 annual meeting brought in \$4545 in registration and vendor fees (\$1370 less than in 2013, which was primarily due to less vendor fees this year). We also spent more on the annual meeting in 2014 versus 2013—but only by about \$127. The cost for the meeting was \$4788.50 so we spent a bit more than we brought in, but not by too much, which is typically how it goes for the meeting.

The MASE fall field day had a good turnout in September (and the weather was lovely) which provided the organization with \$840 in income (\$275± more than 2013) and cost \$908.78 (\$200± more than 2013). Expenses for the field day included backhoe cost, chair rental, soil analysis, coffee and doughnuts for the chilly morning and pizza and sodas for lunch.

The MASE annual golf tournament brought out about the same number of folks as usual—we brought in \$420 from the fun and games which was ten dollars more than the previous year. We spent about \$60 more, though, with a total expense of \$548.36. Thanks do go out to Infiltrator for the cost of lunch!

A huge thank you also goes out to Eljen/Construction Consultants for their continuing support of MASE. They provided another generous donation of \$3000 to go towards educational expenses. Though we were unable to spend as much as we would have liked on education related things in 2014 the board has several ideas floating around for 2015, with money from this contribution earmarked.

The MASE mutual fund grew by approximately \$1500 in 2014 (almost \$1800 in 2013) and the value of the fund is now up to darn near \$15,000.

The last (and least lucrative so to speak) bit of income for 2014 was \$20 from T-shirt sales. We are now sold out, so I hope you weren't looking for a replacement shirt this year. Perhaps it's time for more hats again or some coffee mugs or some other promotional type material that most of us can enjoy.

The primary reason for MASE having less in the expense category in 2014 compared to last year was that in 2013 we provided \$3000 in donations to the Soil Judging Team and Engineers Without Borders. We received no requests from either of these groups in 2014. We did however donate our usual \$1000 to the Envirothon. The board also voted to make a \$250 donation to the John Toothaker Scholarship Fund in memory of John Toothaker. He will be well remembered and missed by many.

A new expense for this year was \$500 to ACEC to help keep us updated on any legislation that comes out of the State that could affect our profession. We hope to see a lot of benefit from this in the coming year.

I hope nobody panics when they see that the total spent on insurance this year was \$1206. That's because I paid it twice this year (once in January and once in December). Let me explain. The insurance bill always arrives in mid December. When I started as treasurer (back in 2010) the bill had been paid late for a couple of years in

continued

a row, which means it got paid in January of a new year and thus got expensed for that new year. I'm not sure why, really, but I kept paying it late (probably because it's the end of year and the holidays and there is always a lot going on). Well I thought I'd actually pay it on time this year and since we seem to have plenty of money it certainly didn't put us in the hole.

The last few expenses for 2014 included our Corporation filing (\$35) and bank fees (\$11.60), as well as \$385.38 in the "miscellaneous" category which includes copies, postage, and printing.

Oh, and the website, which brings me back around to spending money for 2015. If you haven't already heard (or seen) MASE has a new website. It is not quite fully launched yet, but it is in existence, and I personally think it not only looks great, but has many great features. I won't say more on that, because this article is not about the website itself, and others will be providing information. But I do want to say a big thank you to Tim Wade who spearheaded the project for updating/upgrading the site. Anyway, back to money. In 2014 MASE spent \$209 for webhosting. That price is for 5 years of hosting. Tim and Richard Green worked with a web designer on the project and expenses, so far, have been \$1000, though, I only just sent out a check for it in early January. So, there we go, spending money already in 2015. I think the website is a worthwhile project and money well spent. While the board has some ideas for the upcoming year, as always, they would like input from members on the best uses for spending MASE income. And, of course, if you have ideas and would like to put them in to action not only are board positions open for nominations, but it could also use volunteer time to help make ideas come to fruition. Feel free to attend a few board meetings in 2015. Your time and help would be greatly appreciated.



Amy Jones Treasurer



MAINE ASSOCIATION OF SITE EVALUATORS

2015 Membership Form & Annual Meeting

MASE NEEDS YOU!

Your membership is important and our budget depends on your dues! All MASE memberships expire in February. You can join now and be assured of another year of representation of your interests by MASE. We are working to keep license fees down, regulations reasonable, host quality field seminars, an interesting annual meeting & informative newsletters.

(Please complete a separate form for each individual)

☐

Regular Membership
(Maine Licensed Site Evaluator)

\$25

or

☐

Associate Membership
(Unlicensed individuals with an interest in the goals and purpose of the Association)

\$15

☐

Annual Meeting – February 24, 2014
(includes lunch)

Member: \$25 (in advance)
or Non-member: \$30

** Please Register by February 20th to reserve a meal.
No refunds are available after February 20th.*

Make Checks Payable to: MASE

Mail To: Amy Jones, Treasurer
3330 Bennoch Road
Alton, ME 04468

jonesamyn@yahoo.com Dale.Knapp@tetrattech.com

Total Enclosed: _____

Name: _____ License Number: _____

Company: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ E-mail: _____

www.mainease.com

info@mainese.com

MASE Annual Meeting
Topics on
System
Replacement,
Failures and
More!!
February 24,
2015
Ramada Inn
490 Pleasant Street, Lewiston, ME



7:45 – 8:30	Registration, vendor and display set up, coffee
8:30 – 8:45	Opening remarks – Dale Knapp
8:45 – 9:30	Business meeting, Website Updates, Bylaw Subcommittee and election of officers
9:30 – 10:00	Department Update – Dave Braley/Glenn Angell – DEH
10:00 – 10:45	Know Before You Dig– Barry Truman – Maine PUC
10:45 – 11:00	Break / Vendor Displays
11:00 – 11:45	Open Discussion on System Inspection Program – Tim Wade – MASE; The notable Earle Rafuse; Jason Turcotte – A+ Septic Service; Russ Martin – Public Health Solutions; Dave Braley - DEH
11:45 -12:15	MASE Internship Program Proposal Roll Out – Dale Knapp - MASE
12:15 – 1:30	Lunch & keynote speaker – Michael Keleman – InSinkErator
1:30 – 2:30	System Failures & Commentary – Brent Lawson -- DEH
2:30 – 3:00	Break / Vendor Displays
3:00 – 3:45	OBD Discussion – Bill Johnson – MDEP
4:00 – 5:00	Networking Session Hotel Lounge

The Time is here for Maintenance Agreements

By David Marceau LSE # 246

In order for some septic systems to function properly these days they require many system components to function properly. Systems can be reliant on pumps, grease traps, filters and many different kinds of electronics. All of these system components require some type of maintenance. Without maintenance these systems will fail prematurely which certainly will cause a health hazard to the people in close proximity to the system. I realize that this can be a difficult issue for the department and site evaluators to deal with. However, we must have maintenance agreements if the health, safety, and welfare of the general public are to be protected.

The place to start with maintenance agreements are systems that require pretreatment or systems that would endanger a significant population if failed. These systems required State variances to be approved and were installed at considerable expense to their owners. Many of these systems are within areas of public water supplies, watersheds most at risk and areas with high concentrations of septic systems. If rules are not adopted at the State level, then we, as site evaluators, will be left with a hodgepodge of town rules which will attempt to solve the problem.

After all, overboard discharges have some type of pretreatment and they require maintenance agreements. So, why are subsurface systems that require pretreatment any different?

As a consultant concerned about the environment and the welfare of the citizens of this State, this problem is a concern to me. After all, how can I feel comfortable designing systems that I know require maintenance knowing that most owners know little or nothing about how systems function, and, the last thing they want to spend money on is wastewater.

If rules are adopted for the maintenance of systems, DHS, site evaluators and plumbing inspectors will have a template to follow to insure that systems function properly. Without these rules it will be incumbent upon home owners, abutters of properties and towns to monitor and enforce problems related to the proper functioning of systems. Under this scenario there will be little consistency and lots of disagreement as to how to handle this problem.



Out with the old, In with the new...

MASE Website

by Tim Wade

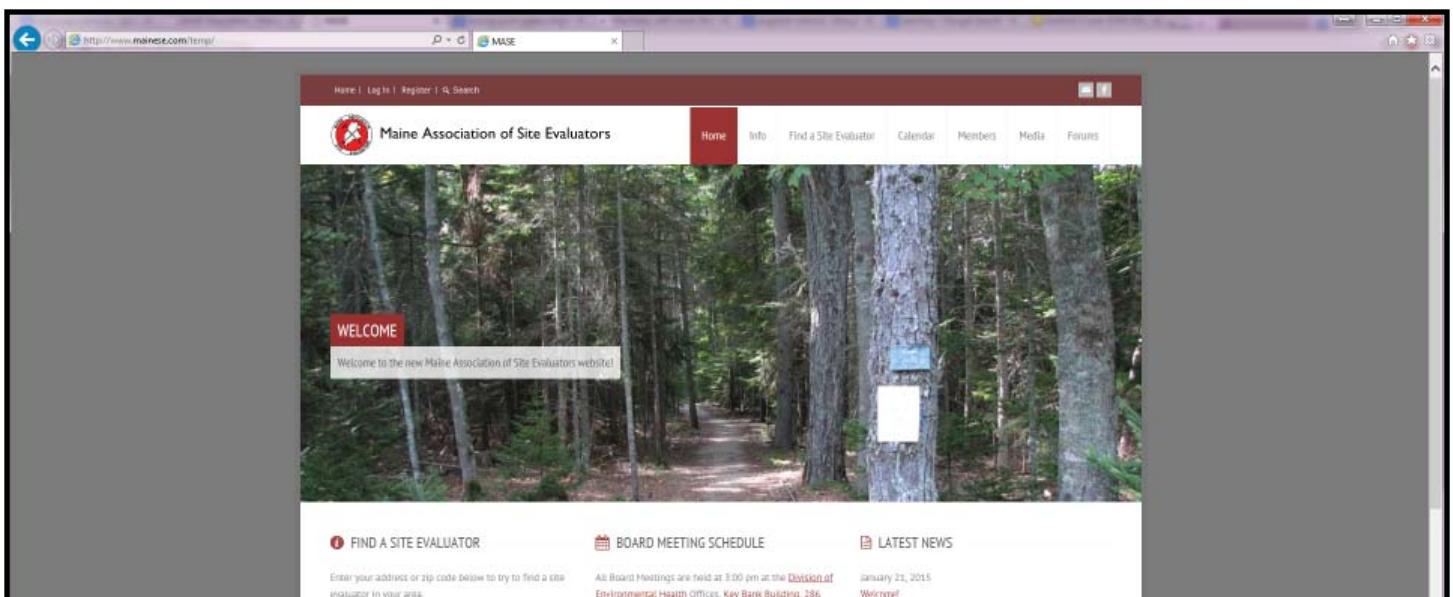
Once upon a time bag phones, 8 Tracks, VCRs, Ataris, and the MASE Website were hip, new, and in vogue. To-day, however, they are, well, old as dirt. Smart phones, MP3s, Netflix, and Xbox have taken the place of these antiques, but dolefully the MASE Website has lingered beyond its useful life. As of March 1, the old Website will be granted the retirement it is due. For the past several months we have been working diligently to update the website, in order to provide a functional venue for both site evaluators and clients to access useful information. Several new features should allow for a wide array of uses that we hope you find as handy and exciting as we do.

The first thing you will notice upon logging in is the fresh new look of the site. The site was built with the latest web building tools and boasts a trendy new style. This allowed us to include features that were not possible considering the constraints of the old site. The first of these new features is the Find an SE Tool. This tool will allow potential clients to search our database for a list of Site Evaluators, sorted by proximity to an entered location. Upon selecting a SE the contact information will be displayed, allowing the client to get in touch with you. The next big change is a forum area, actually two. The first is a general forum allowing for anyone to post a question, which can be answered by any of our members. The posts here can be viewed by any visitors to the site, virally spreading the knowledge of our members. The other forum is of a private nature, designed for members to ask each other questions, share stories, or trash talk the Department without having to wait until February! This forum will be for our eyes only, so don't hold back.

Additionally we have a Facebook page now because, why not? All the cool kids are doing it, so if you are on Facebook, like our page and check in often for important dates and informational updates.

We are still working on a few more features we hope to add to the site, and your opinion is valuable as well, so please let us know what you think and what you might like to see; in fact use the forum to make these suggestions. Ahh, progress already.

Don't forget, you have to be in it to win it, so if you haven't done so already, register for the site at www.mainese.com/temp/. Registration is easy peasy and the steps are included below. If you have any questions, or need help with the process, we will have a booth set up at the annual meeting to assist the less savvy computer users among us.



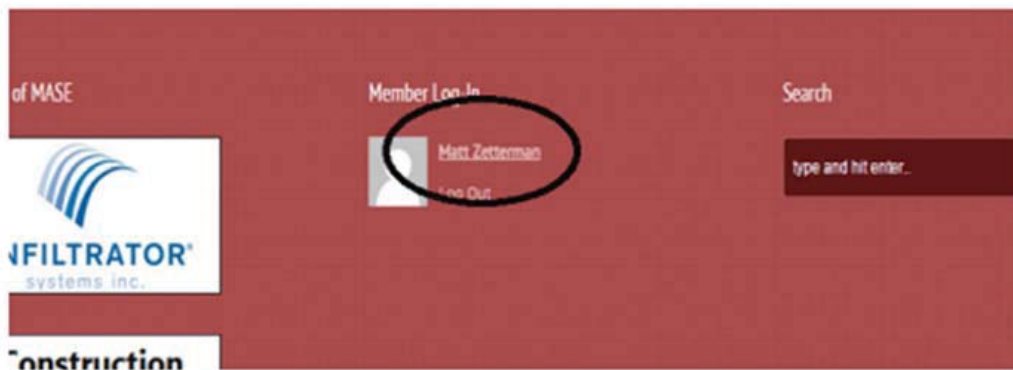
MASE Sign Up Tutorial

Getting Registered:

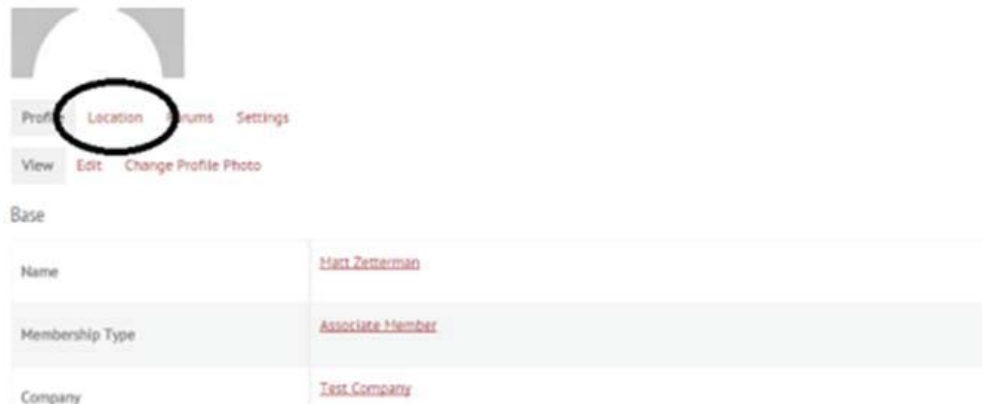
- 1) Visit www.maineese.com/temp.
- 2) Click register at the top left hand corner of the website.
- 3) Enter in all required information on the registration page.
- 4) Check your e-mail for an e-mail from MASE. You will need to click the link in your e-mail to confirm your e-mail address.
- 5) At this point you will need to wait for an administrator to approve your account. You will receive an e-mail when your account has been approved.

Add Account to Find a Site Evaluator:

- 1) Open your profile by logging into your account and click on your name at the bottom of the website or from the members page.



- 2) From your profile click on the "Location" tab.



24th Annual MASE Golf Tournament Results

By Dave Kamila

MASE held our 24th Annual Golf Tournament on June 20th as usual at the beautiful Meadows Golf Course in Litchfield. New Superintendent Spencer Allen and his crew had the course in terrific shape as always. Everyone enjoyed a great round of golf under sunshine and blue skies. Lunch was compliments of our new sponsor Kathi Emmi of Maine Septic & Pumping.

Yours truly teamed up with Kathi Emmi, Gary Fullerton and Charlie Heinonen to post a score of 3 over to take top honors. There was a tie for 2nd place at 5 over, however, Mike Merlesena, Dale Knapp and Dick Sweet prevailed with the low score of 4 on the 18th hole. It is worth noting that Dale played last year as a “never ever”. The way he’s going, he should carry his team to 1st place next year.

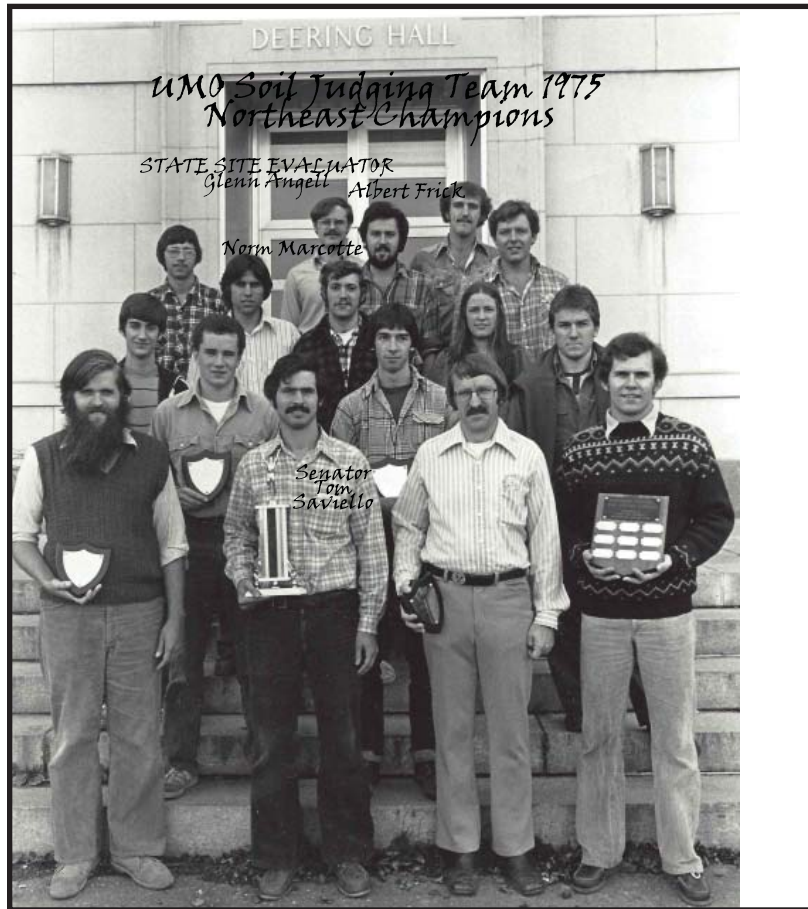
Longest Drive honors for the ladies went to Kathi Emmi who topped Bonnie Cobb’s best shot. Dave Moyse, who hit a monster drive on No. 9, withstood all challenges from the men. No one was able to hit the green on No. 3 this year. Andy Pierce landed one 15’- 5” from No. 7. Dave Moyse zeroed in on No. 15 at 15’- 6” and I nailed No. 17 at 6’-1”.

I was really pleased to have 2 ladies join us this year. We are seeing a steady increase in players each year and I hope to see that trend continue. Looking ahead to next year, the tentative date is Friday June 19th. This will be our 25th Annual Tournament, so mark the date and plan to join us for the celebration. Remember what I said last year, “if Dale can do it anybody can”.



Good Judgment

For several years, MASE has made a donation to help the University of Maine soil judging team to help with the expense of traveling and competing against other schools. These historic photographs of the 1975-1976 UMO soil judging team were recently “unearthed.” Some of these folks will be at the annual meeting. How many can you recognize?



Waterless Urinals: Saving Water And Money From Going Down the Drain

More than 160 billion gallons of water are flushed down the drains each year due to urinal usage. That's as much as 700 liters per urinal per day! A switch to waterless urinals can pay for itself in as little as one year and even more quickly in municipalities that offer rebates for their installation. Such economic advantage is enough to make the change seem an obvious choice. There are, however, many additional advantages to using a waterless version of urinals in place of their conventional counterparts.

Health & Hygiene

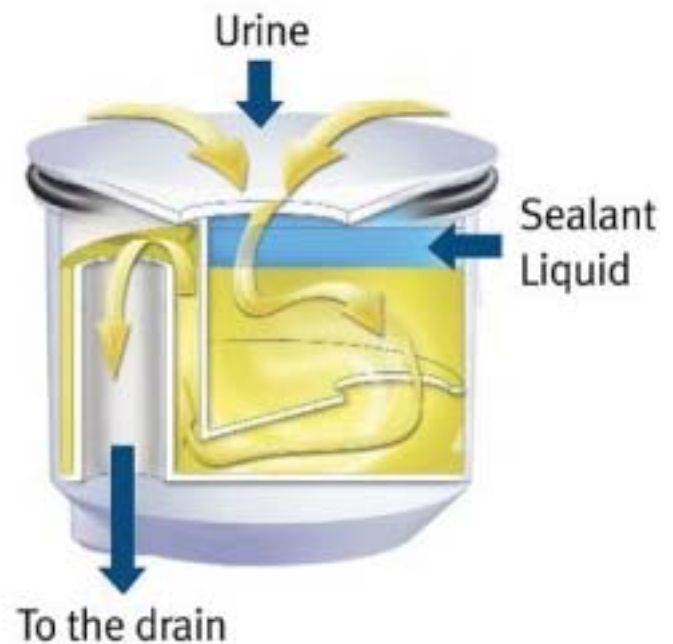
Despite the long-standing association between a flush of water and the freshening of urinals, eliminating the need for water actually allows these urinals to have fewer odors and makes them easier to clean. With a sealed waste water outlet, waterless urinals prevent the possible escape of the unpleasant odors that can arise from sewer lines. They also eliminate the need for a flush handle, a common means for spreading bacteria to hands.

Waterless urinals support less bacterial growth than conventional urinals: without moisture, bacteria simply can't thrive. Urine leaving the body is normally sterile and does not support bacterial growth until it is exposed to air and water in urinals and toilets. In a waterless urinal, a streamlined design directs moisture to the urinal trap. This minimizes air exposure and pooling of urine, which keeps both the urinal, and the air around it, fresher. Special odor-eating components that can be included in the urine trap reduce the scent of any stray urine.

How it works

Rather than depending on a flush of water, these urinals allow urine to enter the waste water system through one-way or liquid sealed valves. The one-way valves open only when urine flows over them. Some even include a kind of self-cleaning property due to small pressure differences that 'flush' the valve clean with each use. Liquid sealed valves allow urine to seep through the oil blocking the outlet, making use of the difference in densities between the two fluids.

Due to fewer parts and simpler operation, waterless versions require less maintenance than conventional urinals. With few parts to repair or replace, reduced maintenance costs further increase the economic advantage of going waterless. The only attention they require is replacement of the liquid sealants after every 1500 uses, or approximately two to five times per year. Some designs require simply adding more oil. This may take the form of simple cooking oil or, in other cases, oils specially crafted for use in these urinals. Other designs include sealant cartridges that can be returned to the manufacturer for recycling. Cleaning involves simply wiping the bowl with an all-purpose cleaner as needed.



How it looks

Waterless urinals are designed to be compatible with existing urinal infrastructure, further facilitating the transition to the new designs. Their appearance can be quite similar to the old familiar forms with the notable lack of flush handle and no need to attach to a water inlet pipe. Just as with any toilet fixture, a full range of designs (and prices) is available that can be installed in both public buildings and private residences.



Why it matters

Conservation of fresh water is an important part of environmental protection. For the safety of both humans and the planet, reducing the amount of potentially potable water that is used for purposes other than drinking and bathing presents an important means for proper use of the Earth's resources. Much attention has been focused on developing low-flow toilets and shower heads to meet the demand for fresh water. Waterless urinals are the shining-stars in this endeavor as they are no-flow!

Such strides in environmental and economic conservation has nabbed the attention of some government agencies. Since 2010, all new U.S. military facilities have used only urinals with a waterless design. The San Diego Public School system made the switch in 1997 and many more large public spaces have followed suit since then.

Urinal design has come a long way since the first "upright flushing apparatus" of 1866. The plethora of advantages now offered by waterless urinals makes it worth the switch and an essential component to future building projects.

This is a guest post. About the author: Envirocare Systems provide various products and services including waterless urinals, professional hygiene and sanitary services in Perth.

SEBAGO LAKE STATE PARK SOILS AND NATURAL RESOURCE WORKSHOP

By David Rocque

The Maine Association of Professional Soil Scientists in conjunction with the Maine Association of Wetland Scientists, Maine Association of Site Evaluators and Soil Science Society of Northern New England is once again sponsoring a late summer workshop focusing on soils and natural resources. This year, the workshop will be held on Wednesday, September 9, 2015 at Sebago Lake State Park in the south western Maine town of Casco, from 9:00 am until 3:30 pm. As in the past, this workshop will combine soil evaluation with natural resource identification and regulation issues. This workshop will feature 7 sites including: a sandy spodosol that transitions from an upland to a Histosol dominated wetland, a sandy flood plain soil transect, a lacustrine sediment with an Albic horizon, a boulder field in a low lying area and an upland (are these soils or non-soil areas?), vernal pool/stream complexes, stream/wetland complexes and a stream that flows into the lake when lake levels are down but is flooded during high water. Sebago Lake water levels are very carefully controlled by a dam. The lake is drawn down by exactly 5.5 feet every year in the late summer and early fall from high water levels in the spring. This flux makes it difficult to determine the normal high water mark of the lake or the Songo River and to determine where to begin measuring for setbacks in the shoreland zone.

For those of you not familiar with Sebago Lake State Park, it is one of Maine's original 5 State Parks, opened in 1938. Located on the north end of the state's second largest and deepest lake, on both sides of the Songo River, the park is 1500 acres in size. It includes Songo Lock State Historic Site. Songo Lock is the lone remaining lock, from a total of 28, on a 50 mile long canal system constructed in 1830. Originally constructed to transport 65 foot long canal boats back and forth from Harrison on Long Lake to Portland harbor, it was discontinued in 1872, replaced by the railroad. Today, Songo Lock is used lift pleasure boaters so they can travel upriver to Brandy Pond or Long Lake or lower them so they can travel down river to Sebago Lake. The locks large wooden doors and cast-iron sluice gears are still operated by hand. For lunch, you can stop by Songo Beach to use picnic tables beside a sand beach or travel to Songo Lock which also has a couple of picnic tables. Lunch is not provided so bring your own. There are limited opportunities to buy lunch nearby so I suggest packing your own or buying it on the way to the park.

As in the past, we will have a team of expert soil professionals evaluating and describing soils pits including Greg Granger, Dave Wilkinson and Nick Butler from the NRCS; State Site Evaluator Glenn Angell, consultants; Jim Logan and Chris Dorion; MASE President, Dale Knapp and myself. We will also have Mike Mullen, Chris Coppi and Colin Clark from the DEP; Karen Bolstridge from LUPC (formerly LURC); Glenn Angel from the State Septic System Program, Jay Clement from the Army Corps of Engineers, Town of Casco Code Enforcement Officer Don Murphy and Portland Drinking Water Program representative, Nate Whalen to address regulatory issues. MAWS will provide a couple of botanists to evaluate the sites wetland status and be present during the day of the workshop. The hand dug soil pits were located and excavated last summer and are being monitored for depth to seasonal groundwater table by Sebago Lake State Park staff so there should be some data to compare with seasonal groundwater table determinations made on the basis of soil morphology. Along with soil profile descriptions, the soils team will provide soil drainage class determinations, hydric soil determinations (both New England Field Indicators and National Indicators) and subsurface wastewater disposal rules classification using the SSWWD drainage key. Regulators will provide regulatory interpretations for protected natural resources including freshwater wetlands, streams and vernal pools. There will also be a discussion of shoreland zoning issues for sites near Sebago Lake and the Songo River. Since Sebago Lake is the drinking water supply for the Portland area, the Portland Water District has special rules for some activities within the Sebago Lake Watershed. A representative from the Portland Water District will discuss those special regulations. There are also local rules and regulations consultants need to be aware of. The Town of Casco Code Enforcement Officer will discuss local regulations adopted by his town.

Registration will be at the Park Headquarters on the Park Access Road, from 8:30 am to 9:00 am. The Park Headquarters is the first right off the Park Access Road, just past the intersection with State Park Road. Participants will be given a map showing the locations of the 7 sites they are to visit. Please bring with you a Munsell color book and copies of any keys you wish to use at the sites (NE Hydric Soil Field Indicators, National Hydric Soil Field Indicators, SSWWD Rules Drainage Key, MAPSS Drainage Key, Wetland Plant List etc.). You will have until 12:30 pm to visit the sites. Unlike the workshop at Mt. Blue State Park, these sites are relatively near each other. Each of the sites will have at least one monitor to show you the points of interest and answer general questions. They will also have copies of the soil pit evaluations and other determinations which they will share with you after you have made your own determinations.

At the conclusion of the field portion of the workshop, participants will gather at the Songo Beach picnic area at 1:30 pm for a group discussion of. Each of the sites will be discussed with participation from soil pit evaluators, other experts and regulators and I will do my best to keep things lively (as usual).

In keeping with tradition, I have chosen some challenging sites and soils. These are conditions you all see in the field and struggle with. Not all site assessments are straight forward or black and white. The purpose of this workshop is to bring consultants and regulators together to discuss difficult sites and attempt to come to a consensus on how to classify them. This will be a good opportunity to use the MASE Drainage Key on some difficult soils, with assistance from experts including the State Site Evaluator, and make stream setback determinations within the shoreland zone (tributary require a 75 foot setback).

This workshop should have broad appeal to soil scientists, wetland scientists, site evaluators, code enforcement officers, planners, municipal officials, regulators, lake association members, foresters and the general public. You can participate at whatever level is appropriate for your background and knowledge level (the experts stationed at each site will provide the level of assistance you require).

It should be a fun, interesting and informative day of camaraderie for all in a very scenic location.



MAPSS/MASE/MAWS SEBAGO LAKE STATE PARK SOILS AND NATURAL RESOURCE WORKSHOP

SEPTEMBER 9, 2015

AGENDA

8:30 AM – 9:00 AM	REGISTRATION AT PARK HEADQUARTERS
9:00 AM – 12:30 PM	VISIT 7 FIELD SITES
12:30 PM – 1:30 PM	LUNCH AND TRAVEL TO SONGO BEACH FOR GROUP DISCUSSION
1:30 PM – 3:30 PM	GROUP DISCUSSION AT SONGO BEACH
3:30 PM	WRAP UP AND ADJOURN

2015 SOILS AND NATURAL RESOURCE WORKSHOP
Wednesday, September 9, 2015 Sebago Lake State Park

The 2015 MAPSS/MAWS/MASE/SSSNNE Soils and Natural Resource Workshop will be held at Sebago Lake State Park in the town of Casco, Maine; on September 9, 2015 from 9:00 am until 3:30 pm. Check-in will be in the Park Headquarters on Park Access Road from 8:30 am to 9:00 am. You will be given a location map to sites you are to visit. **Carpooling is recommended** because of limited parking at some of the sites located beside the various access roads. Assistants will be at each of the sites to point out the soil pits and other areas where you are to make observations (and determinations). You have from 9:00 am – 12:30 pm to visit the sites. After visiting the field sites, travel to Songo Beach for a 1:30 pm – 3:30 pm discussion of the sites and soils by state, local and federal regulators and experts. **Lunch is on your own.** There are a number of excellent places to enjoy your lunch including Songo Beach, the park boat launch and Songo Locks where you can watch boats being raised or lowered to go up or down river. The workshop has 7 sites which include sandy spodosol soils, flood plain soils, lacustrine sediments in pit and mound topography with an albic horizon, boulder fields in wet and upland areas, streams within the shoreland zone controlled by lake levels in Sebago Lake and vernal pools. Sebago Lake water levels are carefully controlled with a drawdown of over 5 feet making it difficult to determine where to begin measuring for shoreland zone setbacks. These are challenging sites that will generate a good deal of discussion. Experts as well as State, local, Portland Water District and Federal Regulators will be present to answer questions and provide valuable guidance for dealing with these difficult sites and soils. See attached workshop description for more details.

The cost of the workshop is \$35.00 for MAPSS/MAWS/MASE/SSSNNE members or associate members and **\$40.00 for all others.**

Please send your checks, payable to MAPSS, to:

Gary Fullerton
104 Mill Turn Road
Limington, Maine 04049-3141

Though registrations will be accepted the day of the workshop, for planning purposes, we ask that you register by September 1. Check www.mapss.org for background information and updates.

If you have any questions about the workshop, call Dave Rocque at 287-2666 or send him an e-mail at david.rocque@maine.gov.

Registration for MAPSS/MAWS/MASE/SSSNNE 2015 Soils and Natural Resource Workshop
Park Headquarters, Park Access Road
Sebago Lake State Park, Casco, Maine

Name: _____

Address: _____

Phone Number: _____ **E-mail:** _____

Number Attending Workshop: _____ **X \$35.00** _____

_____ **X \$40.00** _____

How to Filter Out Laundry Lint

The Subsurface Rules allow a separate laundry graywater disposal system, but require an external filter or septic tank to be used for pretreatment. There are a variety of lint filters available that are similar to the one shown here that might satisfy this requirement..

One major cause of septic field failure is washing machine lint—mostly from synthetic fibers that never degrade, such as nylon and polyester, but also from natural fibers like cotton that degrade very slowly. Eventually this lint can create impenetrable mats in the soil surrounding the drain lines, preventing liquid from being readily absorbed. Fortunately, preventing this problem can be as simple as putting a high-quality filter on your laundry machine discharge hose.



Inexpensive, sock-type lint filters or drain baskets catch bigger fibers, but most of the lint washes right through—and you can't even use them unless your washer discharges into a laundry tub. A better choice is an enclosed, very fine mesh filter that captures more than 90 percent of the lint. It's not cheap, but it'll add years of service to your drain field.

Installation is simple. Mount the filter holder on the wall near the laundry tub or discharge pipe. Slip in the filter, lock the top down and attach the discharge hoses to the filter container. Remove the reusable filter bag and empty it when it's half full (usually after about 8 to 15 loads). If you forget to change the filter, the water just drains around it, so there's no danger of overflow. Replacement filters are a bit expensive, rarely need replacing according to the manufacturer.

Septic protector filters are available from the manufacturer (Septic Protector Filtrol 160; septicprotector.com), local septic supply companies, and online.



MASE Newsletter

February 2015



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Directions to the Ramada Conference Center 490 Pleasant Street, Lewiston, Maine

From North:

Take Interstate 95 South to Exit 80. Continue straight ahead. Follow signs for Industrial Park. At traffic light, go straight. Hotel and conference center is on the left.

From South:

Take Interstate 95 North to Exit 80. At stop sign, turn left. Follow signs for Industrial Park. At traffic light, go straight. Hotel and conference center is on the left.

