



# Chicago ASPENEWS



**Chicago Chapter of the American Society of Plumbing Engineers**  
Vol. 41, No. 8 March 2010

## General Meeting

Thursday March 18, 2010



**LaVilla Restaurant & Pizzeria**  
**3632 N Pulaski Road**  
**Chicago, IL 60641-3019**  
<http://www.lavillabanquets.com/>  
**FREE Parking!**

### AGENDA

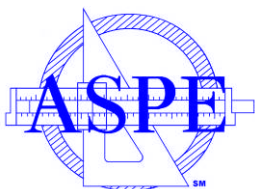
**5:30pm-6:15pm**      **Cash Bar — Cocktail Hour**  
**5:45pm**              **Primer Session: "Pipe Markers," presented by Kolbi Pipe Marker Company**  
**6:30pm**              **Dinner: Cost—\$25.00 ASPE member w RSVP / \$30.00 non-members and walk-ins**

<b>Menu:</b> <b>Appetizers:</b> <ul style="list-style-type: none"> <li>• Focaccia bread</li> <li>• House salad with choice of dressing</li> <li>• Escarole and Bean Soup</li> </ul>	<b>Dinner:</b> <ul style="list-style-type: none"> <li>• Corned Beef and Cabbage</li> <li>• Boiled Potatoes</li> <li>• Chicken Vesuvio</li> <li>• Butter whipped mashed potatoes</li> </ul>	<b>Dessert:</b> <ul style="list-style-type: none"> <li>• Vanilla ice cream with chocolate, strawberries and whipped cream</li> </ul> <b>Drinks:</b> <ul style="list-style-type: none"> <li>• Pop, Coffee, Wine and <i>GREEN BEER</i> (Not the LEED Kind)</li> </ul>
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**7:45pm**      **Program: "Legionella Control Systems" presented by Steve Schira from Liquitech**

**RSVP as soon as possible to Frank Sanchez, VP Technical!**

- *Return the enclosed card for those of you getting this via US Mail*
- **Phone** 847.316.9251
- **Fax:** 847.328.4550
- **Email** [Chicago.ASPE.RSVP@gmail.com](mailto:Chicago.ASPE.RSVP@gmail.com)



**Local Chapters are not authorized to speak for the Society**

## PRESIDENT'S MESSAGE

So, I'm sitting on an airplane in Philadelphia after being told we will be stuck on the tarmac for an hour and a half because of weather in Chicago. So, I have the option of complaining, which I already did, or I can take this opportunity to work on my article for you fine folks. Ergo, buckle in and read on....

Thanks to everyone who came out to our February meeting. Maybe it's just me; but, I think I am seeing more and more new faces at ASPE meetings. This is a good thing. I hope this also means that you are liking the programs we are bringing to you. If you have any topics you would like to see or if you would like to present something you think ASPE Chicago members would enjoy, please let our VP Technical Frank Sanchez know ([fxs@grummanbutkus.com](mailto:fxs@grummanbutkus.com)). FYI – they are serving water to the people in first class. Just great.

We actually only have a few general meetings remaining this year. Also, we have the **Product Show** coming up in April. If you want to be an exhibitor and haven't received any booth reservation materials, PLEASE contact Product Show Chairman Frank Sanchez ([fxs@grummanbutkus.com](mailto:fxs@grummanbutkus.com)) or Product Show Co-Chairman Phill Kroll ([pkroll@metrodn.com](mailto:pkroll@metrodn.com)) as soon as possible!

Good news, they served water to everyone! Woo hoo! Anyway, back to the article. What else? Oh yeah, CPD stuff. The **CPD Exam** will be offered April 16 and 17. And if you ARE taking the CPD exam, please consider taking the **ASPE Chicago CPD Review Class** on Saturday April 3. It will be taught by David DeBord and will be at the offices of Grumman/Butkus Assoc. in Evanston. Finally, many of you who are already CPD's have to recertify by the end of April. If you need to **recertify** or if you want to take the exam, check out [www.aspe.org](http://www.aspe.org) for more information and the required forms. If you want to take the review class, drop me a line at [jsm@grummanbutkus.com](mailto:jsm@grummanbutkus.com). We need a minimum of six attendees; so, let me know soon!

The **ASPE Convention** is coming up in late October in Philadelphia. There are two big things that happen here – the business meeting and the exposition. There are also seminars offered, but, on a smaller scale than at a Symposium. The business meeting is where we listen to officer reports, vote on new bylaws for ASPE as well as elect new Society Officers. And to do this, each Chapter sends delegates who will do this voting on behalf of their fellow chapter members. We generally send a full slate of delegates along with a couple alternates just in case. It is unknown at this time how many positions will be open for election. However, we will do these elections at our May meeting. If you would like to be a candidate for **Delegate**, please email me at [jsm@grummanbutkus.com](mailto:jsm@grummanbutkus.com) by April 30 and let me know why you would like to be considered. This is an excellent way to get involved and to learn what goes on at ASPE – no, it's not just networking and beer drinking!

March will be the last meeting for **Peter Wu** as our Corresponding Secretary. Peter has been out of the industry for several months now but agreed to fill his elected position until his membership expires which is at the end of March. Please join me in thanking Peter for his service to the Chapter.

At the March meeting, I will be appointing a new Corresponding Secretary, **Tony Navarro** of Lehman Design. Peter will help Tony learn the ropes and then Tony will run for the position at our elections in May. I would be remiss in not telling you that if YOU are interested in running for the Corresponding Secretary in May, please let me know – send me an email.



### CHAPTER OFFICERS

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Donald Johnson

#### WEBSITE

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("C" is required)

(Continued)

We are still doing our best to help out those who are looking for work. There ARE a few companies out there hiring and I know that our list of seekers has been growing. If you want to be included on the job hunt list, just email me. Likewise, if you are hiring, please let me know so I can alert our ASPE job seekers.

Thanks a lot for your continued support and interest in ASPE Chicago. If you are one who regularly attends meetings, thank you and please keep it up! If you haven't been to a meeting in a while, think about joining us in March to see what we are up to. Besides, it's the St. Patrick's Day meeting – corned beef, cabbage and MAYBE even green beer! Come on out!

See you March 18 at La Villa!

**Jason McDonald, President**  
[jsm@grummanbutkus.com](mailto:jsm@grummanbutkus.com); 847 316.9204

(PS – Still waiting to take off.)

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## **TECHNICAL REPORT** **FEBRUARY MEETING RECAP**



### **Previous Technical Meeting:**

*Water Conservation Ordinance presented by Hala A. Ahmed, AICP from Chicago Metropolitan Agency for Planning (CMAP)*

Hala showed us how the results of the Regional Water Supply and Demand Study identify the need for increased water demand management at the local level. The ordinance seeks to address indoor and landscape water use in both the residential and commercial/institutional/industrial sectors.

She pointed out that by 2050 the population in the Chicagoland area will increase by 30%; unfortunately, with our current water use trends, the water demand will increase to **65%**. This could create issues at a Federal level because we may exceed our maximum water allowance from Lake Michigan.

I included some facts and figures about our Great Lake in this newsletter. It is our responsibility to protect our natural resources for future generations.

### **Meeting Costs and the Importance of RSVP**

I am extremely happy with the response to my previous RSVP request; it really makes it a lot easier for us and helps us to keep the meeting schedule.

ASPE Chicago not only provides excellent educational sessions, but also subsidizes a portion of the dinner cost. This is thanks to your memberships and the support from our affiliate members. Therefore, please take advantage of this great opportunity, come to the meetings and please don't forget to RSVP.

**Email:** [Chicago.ASPE.RSVP@gmail.com](mailto:Chicago.ASPE.RSVP@gmail.com)

Therefore, as an incentive to all of you who **RSVP**, we will continue having the free dinner raffles and we will give you a **discount!** See the front of this newsletter for details.

(Continued)



## **February Primer Session:**

***“Pipe Markers”  
by Robert Seitz,  
Kolbi Pipe Markers Company***

Kolbi’s goal is to save time and eliminate frustration. As a result, they have no part numbers, ordering their products is as simple as writing down what you want. This table top presentation will show us their products and will answer our questions about piping systems labeling.

## **February Technical Program:**

***“Legionella Control Systems”  
by Steve Schira,  
Liquitech***

Sanitary operating conditions are essential for the food processing industry, healthcare, hotels and for several industrial applications. Steve will discuss chemical and non-chemical systems that can control Listeria, E. Coli, Legionella, Salmonella, M. Avium, Pseudomonas and Staphylococcus.

Also, he will focus on the control of Legionella, a ubiquitous bacteria found in warm moist environments. The bacteria become dangerous in water distribution systems where it finds optimal breeding conditions and has the potential to reach dangerous proportions in any water distribution system.

Legionella pneumophila is a ubiquitous bacterium found in virtually every body of water around the globe. The problem with Legionella is that it often sneaks in from the municipality in low concentrations, once inside, the building's water distribution system acts as a host.

By eliminating the threat of pathogens in water such as Legionella, Listeria, Salmonella, E. Coli, Pseudomonas, M. Avium and Staphylococcus disinfection systems significantly reduce costs for healthcare providers, improves the quality of care and ensure a safer environment. This translates into a better experience for patients/ customers and a superior image for the healthcare facility. When you consider treatment cost to be \$13,973 per infection (modest estimate), any steps taken to reduce this mostly preventable problem would represent a considerable savings of lives and money.

Steve Schira is the President of LIQUITECH, INC., their company provides non-chemical, environmentally friendly method for controlling water-borne pathogens. They have over 15 years of documented efficacy and over 600 installations in some of the most prestigious institutions across the globe.

***Frank Sanchez, CPD; Vice President Technical***  
*[fxs@grummanbutkus.com](mailto:fxs@grummanbutkus.com); 847 316.9251*  
***Reduce, reuse, recycle... Rethink.***

## **MARCH EVENTS**



### **IFPA/SFPE Product Show**

*10<sup>th</sup> Annual IFPA-SFPE Fire Prevention Product Show: 4PM – 8PM Tuesday March 9<sup>th</sup> at the White Eagle Banquet Hall. 6839 N. Milwaukee Ave, Niles IL 60714. The show is free, there is a Buffet-style dinner at 6PM for \$30.*

[www.ifpanet.org](http://www.ifpanet.org) - [www.chicagosfpe.org](http://www.chicagosfpe.org)

### **Illinois Plumbing-Heating-Cooling Contractors,**

*ILPHCC State Plumbing Show: 12PM – 6PM Friday March 19<sup>th</sup> at Drury Lane Conference Center. 100 Drury Lane, Oakbrook Terrace, IL 60181. This is a free show! Register Online. This is a great opportunity to view new products, talk to manufacturers, learn new technologies, attend seminars, network with plumbers and contractors, and have some fun :)*

[www.ilphcc.com](http://www.ilphcc.com)

### **World Water Day**

*March 22<sup>nd</sup> is the international observance of World Water Day. About 1.1 billion people still rely on unsafe drinking-water sources. Therefore, the theme of World Water Day 2010 is focusing on raising awareness of water quality.*

[www.worldwaterday.org](http://www.worldwaterday.org)

### **SMACNA Chicago**

*SMACNA Chicago Trade Show: 1Pm -9PM Tuesday March 30<sup>th</sup> at Drury Lance Conference Center. 100 Drury Lane, Oakbrook Terrace, IL 60181. This is a free show! Register Online. Building Information Modeling and sustainable technology are the hot topics this year, and there will be learning opportunities in these and other areas at the show.*

[www.smacnachicago.org](http://www.smacnachicago.org)

**Peter Wu, Corresponding Secretary**

[peterwu83@gmail.com](mailto:peterwu83@gmail.com)

## MEMBERSHIP REPORT



I would like to WELCOME two (2) new members to the Chicago Chapter:

- Mr. Reid Goodrich with Viega
- Ms. Sarah Mahlik from Kohler Company

Please welcome them into our FAMILY! After all, Chicago is still the leading Chapter in the Society.

Remember that March 22nd, 2010 is "World Water Day. You can get all the details from the events founders at <http://www.worldwaterday2010.info/>

### **I thought this article might be of interest to a few**

On January 1, 2010, California's Assembly Bill 1953 (AB 1953) went into effect, mandating that the weighted average lead content in pipes, fittings and fixtures used to convey drinking water cannot exceed 0.25 percent on wetted surfaces. A similar law in Vermont also went into effect on the same date.

Although these laws are in just two states, they affect the rest of the country and faucet manufacturers have brought their product lines into compliance. In some cases, they have changed their faucets' construction to low-lead brass. In other cases, a non-metallic material like PEX is used, eliminating any contact the water has with metal once inside the faucet. The PEX models have other benefits, which will be discussed later.

Another growing concern is water conservation and faucet manufacturers are offering more products that help consumers save water. They have also partnered with the US Environmental Protection Agency (EPA) to help create the WaterSense® program, which helps establish standards for water-efficient plumbing products. Products that meet these standards receive a WaterSense designation, making it easy for contractors and consumers to identify them.

**Excerpt from Technology Magazine  
February, 2010**

Remember When you see a person you do not know at a monthly meeting introduce yourself, say hello and let them feel welcome with the Chicago Chapter.

If any one that you know needs help with their dues renewal ASPE National has a "**compassion waiver**," program, which allows a member to maintain their membership over a three-month period and at the end of the third month they can renew at a discounted rate. If you are in this situation please let us help you in these rough times. This is what we (CHICAGO) are about, HELPING EACH OTHER!

### **Mark Mannarelli, Vice President Membership**

[mmannarelli@esdesign.com](mailto:mmannarelli@esdesign.com); 312.456.2354



## ADMINISTRATIVE SECRETARY UPDATE

Greetings from your admin secretary! As usual, I would like to introduce winners from our February meeting. Dan Courtney of Viega won a free dinner, and Ralph Dantino of Kast Marketing was the 50/50 raffle winner. 50/50 raffle was dedicated to Bush-Clinton Haiti Relief Fund, and Ralph donated all his winnings to the cause. Thank you Ralph for your generosity and congratulations to both of you!

### **Natalia Dankanich, Administrative Secretary**

[nkd@grummanbutkus.com](mailto:nkd@grummanbutkus.com); 847 316.9208



## THE PRODUCT SHOW WILL BE HERE IN ONLY 1 MONTH!

The ASPE Chicago Chapter Product show will be here before we even know! By now you should have received an email containing Product Show Registration information. Also, look for your registration in the mail.



Mark your calendars for the

### **39<sup>th</sup> ANNUAL ASPE CHICAGO CHAPTER PRODUCT Thursday, April 15, 2010 WHITE EAGLE RESTAURANT 6839 Milwaukee Avenue, Niles, Illinois**

Don't forget to finish your taxes before coming to the show!!

**Registration deadline is March 26, 2010**  
*(A \$50 late fee will apply after that date)*

#### **Product Show Changes**

How about **\$25.00 discount** to all? Sounds good doesn't it? Well, as a gesture of appreciation to all our loyal exhibitors the Product Show Committee decided to lower the first booth cost \$25. Thank you for supporting ASPE Chicago Chapter throughout the years.

Dinner will be served at a later time to allow more interaction between exhibitors and attendees. This year, dinner will be served at **6:30PM**.

The seminar sessions will be from 11:30 am to 4:15 pm and the show will close at 8:00 pm.

#### **Third Product Show Meeting**

Date: Wednesday, March 10, 2010  
Time: 6:30 PM - 8:00 PM  
Location: **Gino's East; 1321 Golf Road**  
Rolling Meadows, IL 60008-4203

Note that our Product Show meetings are open to all who are interested and ASPE Chicago Chapter will provide snacks and beverages. Please RSVP 24 hours in advance.

#### **Booth Selection Night**

Date: Thursday, April 8, 2010  
Time: 6:00 PM - 7:00 PM  
Location: **Luczak Sales**  
1128 Tower Rd. Schaumburg, IL 60173

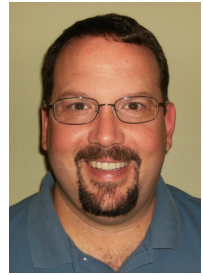
This will be your chance to make comments to the proposed Product Show Layout and to confirm power requirements. After this, no changes will be allowed.

**Frank Sanchez, CPD; Vice President Technical**  
[fxs@grummanbutkus.com](mailto:fxs@grummanbutkus.com); 847 316.9251  
**Reduce, reuse, recycle... Rethink.**

## **AFFILIATES**

The Product Show is just around the corner. We have made a few changes to the upcoming Show.

- We are offering a discount to all of the vendors who reserve their booth/booths by March 26, 2010. Get your forms into Frank Sanchez.
- We are NOT offering lunches before the show. There are plenty of places close by to grab lunch before the show.
- The show is going to end a half hour earlier, 8:00pm.
- Dinner is going to be served later and you are welcome to stay until you have finished your dinner.



We hope this year's Product Show will be beneficial to everyone. See you at the March meeting at La Villa.

Thank you,

**Mick Bradford, Affiliate Liaison**

[mick@miller-sales.com](mailto:mick@miller-sales.com); 630 688.2635

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## **FEBRUARY 2010 MEETING ATTENDANCE**

The following list of individuals attended the February 2010 meeting of the ASPE Chicago Chapter. In accordance with ASPE Society policy, these individuals are entitled to 0.75 RU's towards the required 24 RU's needed every two years to maintain CPD registration. Meeting attendance is also recognized by the Illinois Department of Professional Regulation to count as 1 PDH towards the required 30 PDH's needed every two years to renew Professional Engineering licenses.

Mick Bradford	Scott Stayton	Michael Cwanek	Jill Dirksen
Tony Navarro	Tony Garcia Jr	Chris Wisinski	Dave Parney
Jason McDonald	Scott Milne	Jon Triphahn	Bob Jackson
Sean Allard	Brian Berg Jr	Jim Feeney	Steve Schira
Frank Sanchez	Bryan Fonseca	Ed Lichner	Chris Sbarbaro
Peter Wu	Lindsey Lehman	Greg Luczak	Albert Gehrke
David DeBord	Paul Gangloff	David Lehman	
Mark Mannarelli	Mel Withrow	Tony Diefenbach	
Joe McCleery	Barry Janovsky	Ralph Dantino	
Greg Nagrant	Herb Hymen	Dan Courtney	
Mike Imaoka	Mark Loth	Christopher Frauens	
Tom Lang	Ben Rubach	Paul Lacourciere	
Nevo Martelli	Chris Sopiartz	George Pagach	
Dave Wick	Jeremy Cantor	Ken Cutler	
Ed. J. Kedzie	Joe Leonard	Otton Finiewicz	
Mike Owen	Michael Whiteside	Steve Lipsey	
Bill Hudson	Tom Higgins	Vince Paukatss	
George Sobyra	Mark Kaulas	Hala Ahmed	

This printing constitutes our record of who was in attendance. We apologize for any misspelling of names and ask that for future sign-ins, please print legibly. Thank You!



## ***SUBMITTAL REVIEW PROCESS***

In my 25 years in this industry, one of the most important duties of being a mechanical & plumbing engineer/designer is reviewing submittals for projects, no matter if the project is small or large. I approach these as legal documents since the company I'm working for is now responsible for the review and final design of the project. Please don't give these submittal reviews to an inexperienced engineer or designer as this could be a recipe for disaster. I believe only the most experienced should be doing these reviews.

To me, this is my last chance, to review any design items either missing or incorrect. The submittal should be related to the latest issue of drawings. In my process, I will show when you should verify the submittal's 'freshness'.

This process is especially important if you were not the engineer for the project, but now the submittal is placed on your desk or workstation, and it is now your responsibility for the final design; so, treat it as such.

The process begins like this:

1. Gather project info: Project file, most recent drawings, (these should be hanging on the rack, but verify that by going into CAD directory!) Specifications book (if applicable), and applicable codes & local addendums for this project. If you do not have all of these references with you at the time of submittal review, your review will be incorrect.
2. Go thru submittal, if it is a paper submittal check to see for 2-sided printing. Now, at this time, if any items are missing, check the specifications, if also missing on projects' specifications, notify your supervisor or department head immediately. This can be a contractor's opening for RFI's and change orders. Also check the submittal title; if this is a project submittal or just a 'fixture', 'valving', 'piping' submittal. Call contractor to verify type of submittal. If contractor is a 'mom & pop' contractor, they usually don't have the valves, piping, and supports in the submittal. **DO NOT PRESUME THEY HAVE COMPLETE KNOWLEDGE OF THIS PROJECT.** Often, the General Contractor or developer will tear apart the drawing set and give the sheets they believe are needed for a bid and submittal.
3. Plumbing fixtures, verify all finishes, and colors with architect. Also, check to see if all options are selected or special provisions are noted on the fixture 'cut' as per your specs. Do not rely on drawings on the rack; like I said above, these may not be the latest. If you do not verify the fixture colors and finishes, it will be your company's responsibility, *not the contractor's*, to correct this in the field.
4. If you discover your project specifications do not cover valving, piping, supports, etc., now is your last chance to add this to the project by addendum. Also, you will need to add this info to the submittal, either by adding cut sheets of preferred equipment or by performance criteria (Like in ASPE PEDH VOL. 1, chapter 2).
5. The final dilemma is to determine your review of the submittal. Most review stamps have 'approved as noted' and 'reject and/or resubmit' options. If you are leaning toward 'reject & resubmit', please confer with department head or company owner. By rejecting, you will delay the project, even if submittal is electronic .pdf files. If your review is 'approved as noted', state briefly your corrections and additions to submittal, and also mark up each item in red ink. The potential problem with this is inexperienced contractors may just see the 'approved as noted' and not look at the corrections and additions to the submittal. If they do fail in verifying your review, it is their fault, but in the end, it will make all of us look bad. If you decide to 'reject & resubmit', like I said, this will delay the project schedule, please be ready to answer the client (architect or developer) why you rejected the submittal. My reason is that I'd rather be yelled at now for a delay than get **really** yelled at later for a 'hundred thousand' dollar change order. This can be especially ugly in large scale hospitality or health care projects.

In conclusion, it is one of the most important duties of an engineer or designer to carefully go over these submittals on behalf of your company and your client. It will save you and your company many future headaches.

***Michael A. Imaoka, Chicago Chapter Member***

***[Michael\\_imaoka\\_2@hotmail.com](mailto:Michael_imaoka_2@hotmail.com); 630 234.8958***

## Lake Michigan Facts and Figures



<http://www.great-lakes.net/lakes/ref/michfact.html>

### Overview (1)

Lake Michigan is the third largest Great Lake by surface area and the sixth largest freshwater lake in the world.

Because Lake Michigan is joined to Lake Huron at the Straits of Mackinac, they are considered one lake hydrologically.

Many rivers and streams flow into Lake Michigan, and the major tributaries are the Fox-Wolf, the Grand and the Kalamazoo.

There is a diversion from the lake into the Mississippi River basin through the Illinois Waterway at the Chicago River.

Lake Michigan's cul-de-sac formation means that water entering the lake circulates slowly and remains for a long time (retention) before it leaves the basin through the Straits of Mackinac.

Small lunar tidal effects have been documented for Lake Michigan<sup>1</sup>.

Internal waves (upwellings) can produce a 15 degree C. water temperature decrease along the coast in only a few hours, requiring drastic alterations in fishing strategy<sup>1</sup>.

The northern part of the Lake Michigan watershed is covered with forests, sparsely populated, and economically dependent on natural resources and tourism, while the southern portion is heavily populated with intensive industrial development and rich agricultural areas along the shore.

The world's largest freshwater dunes line the lakeshore.

### Figures (2)

LENGTH: 307 miles / 494 km.

BREADTH: 118 miles / 190 km.

AVERAGE DEPTH: 279 ft. / 85 m

MAXIMUM DEPTH: 925 ft. / 282 m.

VOLUME: 1,180 cubic miles / 4,920 cubic km.

WATER SURFACE AREA: 22,300 sq. miles / 57,800 sq. km.

TOTAL DRAINAGE BASIN AREA: 45,600 sq. miles / 118,000 sq. km.

DRAINAGE BASIN AREA BY STATE/PROVINCE:

Illinois: 100 sq mi; 300 sq km

Indiana: 2200 sq mi; 5800 sq km

Michigan: 28,300 sq mi; 73,300 sq km

Wisconsin: 14,200 sq mi; 36700 sq km

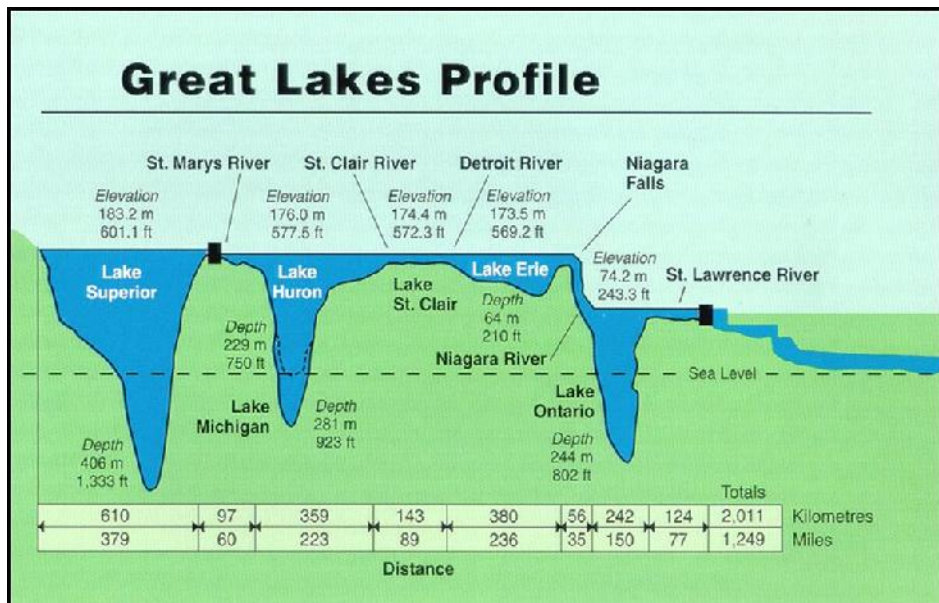
SHORELINE LENGTH (including islands): 1,638 miles / 2,633 km.  
 ELEVATION: 577 ft. / 176 m.  
 OUTLET: Straits of Mackinac to Lake Huron  
 RETENTION/REPLACEMENT TIME: 99 years

NAME: Champlain called it the Grand Lac. It was later named "Lake of the Stinking Water" or "Lake of the Puants," after the people who occupied its shores. In 1679, the lake became known as Lac des Illinois because it gave access to the country of the Indians, so named. Three years before, Allouez called it Lac St. Joseph, by which name it was often designated by early writers. Others called it Lac Dauphin. Through the further explorations of Jolliet and Marquette, the "Lake of the Stinking Water" received its final name of Michigan.

Another story recounts that Nicolet, the first European to set foot in Wisconsin in 1634, landed on the shores of Green Bay and was greeted by Winnebago Indians, whom the French called "Puans." Lake Michigan was labeled as "Lake of Puans" on an early and incomplete 1670 map of the region that showed only the northern shores of the lake. However, only Green Bay is labeled as "Baye de Puans" (Bay of the Winnebago Indians) on maps from 1688 and 1708. On the 1688 map, Lake Michigan is called Lac des Illinois.

An Indian name for Lake Michigan was "Michi gami."

**Frank Sanchez, CPD; Vice President Technical**  
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*Reduce, reuse, recycle... Rethink.*



References:

(1) Lake Michigan brochure, 1990, Michigan Sea Grant [Ayers, John C. "Great Lakes Waters, Their Circulation and Physical and Chemical Characteristics," in Great Lakes Basin: A symposium presented at the Chicago Meeting of the American Association for the Advancement of Science, 29-30 December, 1959. ed. Howard J. Fincus. 1962. Washington, D.C. American Association for the Advancement of Science.]

(2) Great Lakes Atlas, Environment Canada and U.S. Environmental Protection Agency, 1995

## 2009-2010 ASPE Chicago Meeting Schedule

Date	Primer	Technical	Location
September 17, 2009	ASPE Society Update : Tim Smith, Metro Design.	CSI MasterFormat: Presented by Randall Chappel, Associate Principal at Goettsch Partners	Costa's 340 South Halsted Street Free Valet Parking
October 15, 2009	BIM Overview - 3D Coordi- nation Walkthrough - CAD- WORKS	New LEED Green Building Rating System - David E. Debord, Envi- ronmental Systems Design	La Villa 3638 North Pu- laski Free Parking
October 23-25, 2009	ASPE Technical Symposium		Dearborn, MI
November 19, 2009	Seismic Restraints, Hangers and Supports by Tolco	Commissioning for Plumbing Systems - John Villani, Grum- man/Butkus Associates	The Parthenon 314 S. Hal- sted - Free Valet Parking
December 17, 2009	Booster Night Special Entertainment		La Villa Restaurant & Piz- zeria
January 21, 2010	"Reverse Osmosis (RO) and Deionized (DI) Water Ap- plications" presented by Paul Galvin of Georg Fisher		The Parthenon 314 S. Hal- sted - Free Valet Parking
February 18, 2010	"Regional Water Supply Planning Group Water Conser- vation Ordinance" presented by Hala A. Ahmed, AICP from Chicago Metropolitan Agency for Planning (CMAP)		La Villa Restaurant & Piz- zeria
March 18, 2010	<b>Piping Identification by Kolby Pipe Markers Co.</b>	<b>Legionella Control Systems by Steve Schira of Liquitech</b>	<b>La Villa Restaurant &amp; Pizzeria</b>
<b>April 15, 2010</b>	<b>39<sup>th</sup> Annual ASPE Chicago Product Show and Semi- nars</b>		<b>White Eagle - 6839 N Mil- waukee Ave, Niles, IL 60714</b>
May 20, 2010	Fire Protection Basics for Plumbing Engineers		To be announced, Schaumburg, IL
June 18, 2010	Annual Golf Outing		Hilldale Golf Club 1625 Ardwick Drive Hoffman Estates