

**Monday, March 18, 2013  
ASCE Southwest Branch Lunch Meeting**

**Yahara CLEAN Engineering Report, Dane County, WI  
Jon Lindert, Strand Associates**

The Yahara Chain of Lakes is a series of four lakes (Mendota, Monona, Waubesa, and Kegonsa) situated in the greater City of Madison, Wisconsin, metropolitan area. These waters experience significant eutrophication because of high nutrient loading from both urban and rural sources. Resultant algae blooms, bacteria, and other water quality issues have caused frequent beach closures and a general decline in mid-summer lake usage.

The Yahara CLEAN (Capital Lakes Environmental Assessment and Needs) partnership began in 2008 as a result of these water quality issues. The non-profit Clean Lakes Alliance was formed in 2010 to further the goals and objectives of the partnership. In 2011, Strand developed a plan to reduce the total annual P loads to the lakes by 50 percent.

The project consisted of assessment and ranking of more than 70 rural and urban action items in terms of cost-effectiveness/relative cost, immediate implementability, social acceptance, pollutant reduction, and benefits visible to the public. Further refinement of the Top 10 ranked actions resulted in the identification of both traditional and innovative urban and rural techniques to achieve a 50 percent reduction in P.

The Yahara CLEAN Strategic Action Plan for Phosphorus Reduction was rolled out at the 2012 North American Lake Management Society conference detailing a \$78.6 million plan after a deduction of \$49.5 million in private business investment in community manure digesters. The plan includes 29 percent urban actions and 71 percent rural actions and relies on a diverse group of public and private partnerships for implementation.

**NOTE: 1.0 Professional Development Hour (PDH) will be available for attending the presentation. Certificates will be sent electronically after the meeting.**

Click [here](#) for the event website and to **RSVP**.

**Schedule**

**11:30** - Socializing  
**12:00** - Lunch  
**12:15** - Presentation

### **Menu**

1. **Irish Road Rueben** - Shaved corned beef, melted Swiss cheese and Great Dane sauerkraut stacked on grilled marble ryewith a side of Thousand Island dressing. Served with pub fries or Kohl slaw.

2. **Mayan Chicken Wrap** - Grilled chicken in a traditional Central American marinade, fresh guacamole, corn salsa and shreddedlettuce wrapped in a spinach tortilla with a creamy cilantro dressing. Served with pub fries or Kohl slaw.

3. **Inner Warmth Peanut Stew** - A stew of butternut squash, tomatoes, onions, garlic, ginger, hot peppers and cilantro with a zestypeanut sauce served over rice with a beer bread roll.

4. **Capitol Falafel** - Ground chickpeas and seasonings crisp-fried and served in a warm flatbread wrap with hummus,organic tomatoes, Bermuda onions, mixed greens and our homemade cucumber yogurt sauce.

*Please make your lunch selection when registering for the event.*

### **Meal Price**

Professionals: \$15.00 (please bring check/cash to the event)

Students: Free (However, if you register and do not show up, you will be invoiced \$15)

Please [RSVP](#) by Thursday, March 14, 2013 on the event website (preferred) or email [prog\\_arr1@ascewisw.org](mailto:prog_arr1@ascewisw.org). Those who RSVP and do not attend will be expected to cover their meal.

### **Address**

**Great Dane Brew Pub - Fitchburg**

2980 Cahill Main

Fitchburg, WI 53711

### **Directions**

From HWY 12/18 head south on Fish Hatchery Road. Turn right on Caddis Bend and left on Cahill Main.

### **Parking**

Great Dane has on-site parking.

## **Younger Member Update**

In February, the Southwest Younger Members joined the Southeast Younger Members and many students to watch the Wisconsin Badgers Men's Ice Hockey Team tie with Bemidji State. Thanks to the Southeast YMG for organizing and hosting this great yearly event!

For March, the YMC decided to piggy back with the Branch and join them for their Habitat

for Humanity workday on March 16th. There still may be openings for that event - click [here](#) to check. Since there is an 8-person limit for that event, the YMC will also be hosting a social immediately after the Habitat workday (~3:30 pm) at Ale Asylum on Madison's east side (near the airport) that is open to everyone. Watch your emails for the official invite - RSVPs aren't required but are appreciated so we have an idea of the likely group size.

Our April event is still up in the air - feel free to email with your suggestions!

While events organized by the YMC are geared towards those members 35 and younger, all are welcome at our events!

If you have any questions about YM activities or would like to become more involved, please email [us](#).

Theresa Possley Nelson  
Ann Thielmann  
Terry Armstrong  
Younger Member Committee Co-Chairs

### **Continuing Education Opportunities**

Geographic Services is proud to announce the Continuing Education Schedule of seminars and workshops for Spring/Summer 2013 in your geographic area. These seminars/workshops have been produced by ASCE's Continuing Education Department with your members in mind. This new schedule has been placed under the [Links](#) tab on each Region website.

### **March President's Message**

This month, we will break slightly with a tradition built up over the last several years. We usually do not have a Branch meeting in the same month as the Wisconsin Section's Spring Technical Conference. This month we will.

The Spring Technical Conference is being hosted by the Fox River Valley branch and will be held on Thursday, March 14<sup>th</sup> at Lambeau Field in Green Bay. Among the activities being planned is a tour of Lambeau. By the time you receive this newsletter, the STC will be only a few short days away. However, if you haven't already done so, you may still [register](#), albeit at a small late fee. If you are undecided, I urge you to attend. It is another perfect opportunity to mix with friends and peers and to pick up needed PDH credits.

I hope to see you at the STC and look forward to warmer days ahead.

Larry Ryan, P.E.  
ASCE WI Southwest Branch President

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