



2013 - 2014

January Meeting Notice

Minnesota Geotechnical Society

Prevention and Detection of Leakage from Dams and Reservoirs

Bethany Erfourth, P.E. – Barr Engineering Company

Leakage is a major safety issue that, if left unchecked, may result in dam failure by various mechanisms. The need to reduce the risk of failure or control water loss has led to costly remedial repairs that are planned and executed without a complete understanding of the problem. The available literature on dam leakage studies is relatively limited with regard to the use of leakage assessment techniques, and it is difficult to find case studies that discuss integrating these techniques in comprehensive evaluations that lead to successful leakage mitigation. In the last few decades, a series of new techniques have been developed to help in dam leakage and seepage assessment. The presentation includes description of techniques and several projects in the United States and abroad involving prevention and detection of dam and reservoir leakage, including leakage evaluation, analysis, design, construction, and post-construction verification of repairs.

Date: Wednesday, January 8, 2014

Location: Rose Vine Hall (downstairs at Grumpy's Bar & Grill)
2801 Snelling Ave. N., Roseville, MN

Time: 6:00 Social Hour

7:00 Dinner: Salad, Rolls, Coffee/Soda and a choice of:

1. 10-Ounce Top Sirloin - Char-grilled and topped with bleu cheese garlic butter. Served with white cheddar mashed potatoes and a sautéed vegetable medley – \$35.00*
2. Stuffed Pork Chops - Two char-grilled pork chops stuffed with golden raisins, cornbread and apples – \$35.00*
3. Feta Cheese and Sun-Dried Tomato Stuffed Walleye - Served over white cheddar mashed potatoes with a drizzle of lemon thyme butter sauce – \$35.00*
4. Chicken Fettuccine Alfredo - Fettuccine noodles, snow pea pods, and mushrooms tossed in an Alfredo cream sauce and topped with a grilled chicken breast and parmesan cheese – \$30.00*
5. Cobb Salad - Iceberg topped with turkey, ham, bacon, hard cooked eggs, avocado, diced tomatoes, bleu cheese crumbles, and black olives with choice of dressing (Ranch, FF Ranch, Bleu Cheese, French, FF French, Italian, FF Italian, Balsamic Vinaigrette) – \$25.00* *See Cost

8:00 Presentation – Bethany Erfourth, P.E. – Barr Engineering Company
(One professional development hour toward continuing education requirements for Professional Engineers is available).

Cost: Paid 2013-2014 MGS Members receive a \$5 meeting discount on the meal costs listed above.
The cost to Full-time students is \$5, payable to MGS at the door.

Reservations: Requested by 12 Noon, Friday, January 3, 2013
Please register via the website at <http://www.mngeotechnicalsociety.com/eventsmpls.asp>.
Please print, fill out and bring the New Membership Application to the next meeting. The form is at: <http://www.mngeotechnicalsociety.com/aboutmembership.asp>

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