

## The Green Mountain Civil Report

Newsletter of the Vermont Section of the American Society of Civil Engineers

Website <http://sections.asce.org/vermont>

### **2006 ASCE Meeting Schedule**

<u>Date</u>	<u>Event</u>
April 27, 2006	VSE/ASCE Joint Meeting Student Presentations
May 24, 2006	VT ASCE May Meeting Lime Kiln Bridge Project

The Young Engineer of the Year and the Engineer of the Year were introduced by last year's Engineer of the Year, Mr. Robert F. Shattuck, P.E. The 2006 Young Engineer of the Year is our ASCE VT Section President, Mr. Shawn R. Patenaude, P.E. Shawn is currently employed at Dubois and King Consulting Engineers. The 2006 Engineer of the Year is Mr. Donald H. Lathrop, P.E. Don just retired from a long career at VTrans.

### **E Week Banquet Overview**

On Friday, February 24, 2006, Engineers from all over the state convened at the Sheraton Hotel in Burlington to celebrate Engineers Week 2006. The dinner was excellent and the atmosphere was energetic.

#### **Awards:**

ACEC Engineering Excellence Awards were presented with all entries displayed in the front of the banquet hall.

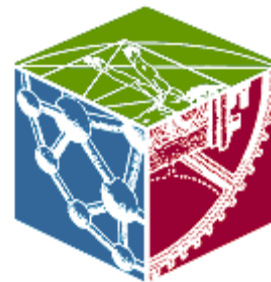
VSE presented three student scholarships to students from our three University / College engineering programs in Vermont. Ms. Alaina Dickason of University of Vermont, Mr. Corin Browning of Vermont Technical College, and Mr. David Gauthier of Norwich University all won scholarships.

The Student Engineers of the Year were Mr. Michael Becker of Vermont Technical College, Mr. Krenar Komoni of Norwich University, and Ms. Corrina Sue Thompson of University of Vermont.

The Student Technician of the Year was Ms. Krista Miller of Vermont Technical College.

#### **Dinner Presentation:**

Ms. Jeannie Satink and Mr. Lucas Jenson from Ben & Jerry's presented information regarding their humanitarian relief efforts that they (and 8 other Ben & Jerry's employees) performed a few months after Hurricane Katrina in New Orleans, LA. The presentation included numerous photos that were taken during the work they performed. Photos were of destroyed homes and neighborhoods. The humanitarian relief consisted of gutting and cleaning out five residential homes that were flooded due to levee breaks in New Orleans.



National Engineers Week 2006  
was February 19<sup>th</sup> – 25<sup>th</sup>

## **April Meeting Announcement**

JOINT MEETING WITH VSE

### **STUDENT PRESENTATIONS**

Norwich, VTC, and UVM Students will present their Senior Projects during the afternoon session.

### **DINNER PRESENTATION:**

TBA

Date: April 27, 2006

Time: Social Gathering TBA

Dinner Meeting TBA

Location: Elks Club, Country Club Rd, Montpelier, VT,

Cost: TBA – Student Members TBA

**Synopsis:** TBA

Reservations: TBA

Deadline: TBA

Directions: From Interstate 89:

- Take Exit 8 to Montpelier (US 2).
- Bear right at Memorial Drive
- Turn left at Bailey Ave Ext.
- Turn left at State Street (Elks on this road).

## **May Meeting Announcement**

### **SITE TOUR**

Lime Kiln Bridge Project.

### **DINNER PRESENTATION:**

TECHNICAL PRESENTATION ON THE CONSTRUCTION OF THE NEW BRIDGE CONNECTING SOUTH BURLINGTON TO COLCHESTER

Date: May 24, 2006

Time: Social Gathering TBA

Dinner Meeting TBA

Location: Lincoln Inn, Essex Junction, VT (tentative)

Cost: TBA – Student Members TBA

**Synopsis:** TBA

Reservations: TBA

Deadline: TBA

Please go to:

[www.aot.state.vt.us/archaeology/design/limekiln.htm](http://www.aot.state.vt.us/archaeology/design/limekiln.htm) to view some Historical Photos of the existing bridge.

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## **Younger Member Forum News**

If you are 35 years of age or younger then, you are automatically part of the VT ASCE Younger Member Forum. Historically, younger member ASCE sections all over the country have been described as “fun” “young” and “active” civil engineers. Here in VT, there is no exception!

### **YMF CONTACTS:**

**For more information please contact any of us:**

- Stephanie Zehler; Pres  
(stephaniezehler@gmail.com) (802) 864-0223
- Bill Farley; Vice Pres  
(william.farley@state.vt.us) (802) 828-3417
- Abby Lisius; Outdoor Events Chair  
(abby@trudellconsulting.com) (802) 879-6331

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## **ASCE National News**

### **REPORT ON THE ZONE I REGIONAL**

### **ASCE CONFERENCE:**

**February 10 -12, 2006 in Boston.**

Shawn P. Kelley, Secretary and Newsletter Editor of the ASCE VT Section attended the Zone I Regional Workshop for Section and Branch Leaders (WSBL) as the VT Section representative. The conference had three concurrent workshops and was held at the Long Wharf Marriot Hotel in Boston, MA. Workshops included WSBL, workshop for the Younger Member Council, and a workshop for the

Student Leaders. There were 200 Section, Branch, Student Chapter, and Younger Member Leaders in attendance.

There were representatives from 33 Branches and Sections from Zone I. Discussions and Sessions included Engineer Ethics, Strategic Planning for ASCE, Volunteerism in ASCE, Regovernance of ASCE and its affects on sections and branches, Recruiting ASCE members and its importance to the Civil Engineering Profession, Policy 465, ASCE Resources for section and branch Leaders, and presentations from ASCE President, Dennis Martenson, P.E. and from ASCE President-Elect, William Marcuson, P.E.

Shawn Kelley was able to meet with Mr. Martenson and Mr. Marcuson and hopefully one or both of them will be able to visit Vermont in the near future and present at one of our Technical Meetings.

The following awards were given during the Banquet on Saturday night:

Outstanding Large Section: The Boston Society of Civil Engineers

Outstanding Large Branch: North Jersey Branch.

Outstanding Newsletter Award for a Very Large Section: Maryland Section.

Top Section for membership growth: New Jersey Section.

Top Branch Membership Award: Central Jersey Branch.

Zone I Citizen Engineer Award: M. Patrick Kane of Coraopolis, Pennsylvania

The Zone I Public Service Award recipient: Boston Society of Civil Engineers (BSCE)

ASCE Diversity Section/Branch Award: Boston Society of Civil Engineers (BSCE), receiving an honorable mention was the Buffalo Section.

The Diversity Champion Award: to Pamela R. Bingham, Chair of Minority Programs for ASCE's National Capital Section.

## CONTINUING EDUCATION WEBINARS

*For more information on ASCE's webinars, go to [http://www.asce.org/conted/distancelearning/online\\_webseminars.cfm](http://www.asce.org/conted/distancelearning/online_webseminars.cfm)*

Access and On-Site Circulation for Commercial Development: Part I  
**March 7**                      **Noon-1:00 PM Eastern Time**

Speaking to Make Good Things Happen: Preparing, Presenting and Following up  
**March 8**                      **Noon-1:00 PM Eastern Time**

Access and On-Site Circulation for Commercial Development: Part II  
**March 14**                      **Noon-1:00 PM Eastern Time**

Employee Evaluation and Development—The Key to Performance Improvement  
**March 15**                      **Noon-1:00 PM Eastern Time**

Renovation of Steel-Framed Buildings  
**March 21**                      **Noon-1:00 PM**

Improved Project Communication: Within and Outside of the Project Team  
**March 22**                      **Noon-1:00 PM**

An Introduction to Roadside Delineation and Safety Systems  
**March 28**                      **Noon-1:00 PM**

Managing Change: Tackling the Big Leadership Challenge  
**March 29**                      **Noon-1:00 PM**

Signalized Intersection Safety  
**April 4**                      **Noon-1:00 PM EASTERN**

Strategic Thinking and Planning: New Engineering Challenges...New Community & Business Realities  
**April 6**                      **Noon-1:00 PM EASTERN**

Intersection Design and Channelization  
**April 25**                      **Noon-1:30 PM EASTERN**

Offshoring of Engineering Services  
**April 26**                      **Noon-1:00 PM**

**ASCE SPRING/SUMMER 2006**  
**CONTINUING EDUCATION**  
**SEMINARS**

In our continuing effort to offer Continuing Education Seminars, we are pleased to announce the following seminars scheduled in our Region I from April through September 2006:

Earth Retaining Structures -- Selection, Design,  
Construction and Inspection  
March 16-17, 2006                      Boston, MA

Advanced Detention Routing: Improving the Operation &  
Effectiveness of Detention Facilities  
May 11-12, 2006                      Boston, MA

Design and Renovation of Wood Structures  
July 13-14, 2006                      Portland, ME  
Techniques for Pavement Rehabilitation  
September 13-15, 2006              Boston, MA

NPDES Stormwater Permit Compliance  
September 21-22, 2006              Boston, MA

Structural Design of Industrial Facilities  
September 21-22, 2006              Manchester, NH

Water Quality Modeling  
September 21-22, 2006              Portland, ME

Structural Design of Buildings and Industrial Facilities for  
Blast Loads and Accidental Explosions  
September 25-26, 2006              Boston, MA

Structural Vibration Analysis, Design and Troubleshooting  
September 27-29, 2006              Boston, MA

These in-depth, practice-oriented programs are produced by ASCE's Continuing Education Department.

Detailed descriptions of the seminars (by title) are available on ASCE's website at [www.asce.org/conted/seminars](http://www.asce.org/conted/seminars).

If you have questions or need assistance, please contact Kelly Jarvis, Continuing Education Registrar at [kjarvis@asce.org](mailto:kjarvis@asce.org), or Michael Cook [mcook@asce.org](mailto:mcook@asce.org).

**ARE CIVIL ENGINEERS GETTING**  
**PAID WHAT THEY'RE WORTH?**

When members participate in ASCE's salary survey, they receive free access to the level of salaries in their geographic region. ASCE, in conjunction with the National Society of Professional Engineers, the Institute of Industrial Engineers and the Institute of Transportation Engineers, provides the profession's largest, most comprehensive and valid compensation source.

If members choose to purchase The Engineering Income and Salary Survey, they will have access to historical salary and benefits information (1979 to the present) and the ability to analyze trends and create charts among other things, using salary levels by years of experience, professional responsibility, registration status and degree. For more information or to participate in the salary survey, visit

[https://www.asce.org/membersonly/salary\\_survey.cfm](https://www.asce.org/membersonly/salary_survey.cfm).

**THE WAY TO SAVE ON SHIPPING**  
**FOR ASCE MEMBERS**

ASCE's partnership with DHL Express means members can save up to 25 percent on air express and ground shipping. More importantly, members can rely on DHL's commitment to guaranteed on-time delivery and customer service 24 hours a day, seven days a week. All services may not be available in all areas and are subject to DHL Terms and Conditions. Please consult [www.dhl-usa.com](http://www.dhl-usa.com) for service availability.

» To enroll and start saving, call 1-800-MEMBERS today.

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## **ASCE GOVERNMENT RELATIONS**

### **KEY CONTACT PROGRAM**

The ASCE Key Contact Program provides busy civil engineers with opportunities to get involved in public policy activities.

Key Contacts receive **This Week in Washington**, a weekly newsletter that provides the latest information on legislative and regulatory developments impacting civil engineering. In addition, you will receive Key Alerts on an as-needed basis. These Alerts contain timely information on important civil engineering issues and advice on how to best influence the legislative process. The Key Alert contains all the information necessary for composing a convincing letter to your member of congress. Key Alerts are time sensitive, so when you receive one, you know it is the best possible time to act. An issue may be at a critical juncture, your elected leaders are focusing on it, and they need to hear from informed constituents like yourself. Your letter at the right time can make the difference.

How effective is the Key Contact Program? It can be quite effective. ASCE's Key Contacts have made a difference on numerous issues including highway funding, math and science education, dam safety and natural hazards mitigation. We expect to repeat our successes in the future, and look forward to continued support from Key Contacts.

To become a Key Contact, simply log-on to <http://www.asce.org/pressroom/publicpolicy/keycont.cfm>

and fill out the enrollment form. After you sign up, encourage your colleagues to participate. For more information on the Key Contact Program or specific legislation, contact the Government Relations staff at govwash@asce.org, or call 202-789-7850.

**HERE IS A POSTING FROM LAST WEEK'S  
"THIS WEEK IN WASHINGTON".....**

### **Vermont**

The Vermont House Transportation Committee has recommended a 6 cent increase in the state gasoline tax which would put both the state's fuel tax at 31 cents a gallon despite opposition from the governor. The increase would help Vermont match a huge infusion of federal cash dedicated to roads, bridges and trains. Vermont is in line to draw down hundreds of millions of dollars over the next five years from the federal treasury for road and bridge projects, railroads and other transportation-related spending. To qualify, the state has to put in some money of its own, typically 10 to 20 percent of a project's total cost. But there's already a shortfall in the state Agency of Transportation, and fiscal experts said an additional \$24 million was needed to close that gap and to match the federal spending. Governor James Douglas proposed an alternate plan for funding transportation projects by increasing motor vehicle registration and other fees for a total of almost \$10 million. He would have raised the rest by shifting a portion of the motor vehicle purchase-and-use tax out of the education fund and into transportation. Democrats have criticized that proposal because the purchase-and-use tax was raised solely for the education fund, so it could supplement the statewide property tax. Although Douglas would make up the money by changing parts of the education funding formula, Democrats said his plan would increase property taxes to pay for transportation. *Rutland Herald 2/24*

### **ASCE'S INTERNET ADVOCACY WEBSITE**

("Six Clicks" Advocacy Website - <http://www.asce.org/pressroom/publicpolicy/advocacy.cfm>)

An easy way to connect with your legislators to...

- Send your federal or state representative a message on current civil engineering legislation.
- Learn about issues and bills affecting civil engineering that are active in congress and your state legislature.
- Track how your U.S. Representative and Senators voted on key ASCE bills.

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## UPDATE YOUR CONTACT INFORMATION

## Other ASCE VT Section News

### ASCE MEMBERSHIP DUES

If you have not paid your ASCE dues for 2006, please do so ASAP. Members who have not renewed their 2006 dues will be placed in arrears at the end of March. Also, March will be the last month you will receive Civil Engineering magazine and ASCE News, plus you will lose other valuable ASCE benefits including:

- Membership in a Section/Branch
- Member-only discounts on ASCE products and services
- Government and Public Relations programs like ASCE's Key Contact Program

Members can renew online by visiting [www.asce.org/renewal](http://www.asce.org/renewal) or by calling (800) 548-ASCE (2723).

***PLEASE RENEW TODAY!***

### ASCE VT SECTION FUND RAISER

DO YOU HAVE AN OLD CELL PHONE????  
Consider donating your old cell phone to the ASCE VT SECTION. We will take your phone and turn it into cash and use it for our ASCE VT Section. We use donations to support local ASCE Student Chapters and VT Section sponsored events. Please consider mailing your cell phone to Shawn Kelley at GeoDesign, Inc. P.O. Box 699, Windsor, VT 05089.

### ASCE VT SECTION DONATES TO THE NORWICH UNIVERSITY ASCE Student chap. STEEL BRIDGE TEAM

Our ASCE VT Section donated \$150.00 to the Norwich University ASCE Student Chapter Steel Bridge Team. Look for photos and an article next month on Norwich's team results.

The Vermont Section of ASCE depends on its membership to update their member information with ASCE National. Shawn Kelley, our secretary, has access to the ASCE member database for Vermont, from which he is able to compile our electronic newsletter distribution list. Members who wish to be included in the electronic newsletter distribution, but who do not want to give their e-mail address to ASCE National or members who would like to receive a paper copy of the newsletter by US mail should contact Shawn; see contact information on the first page footer.

### MESSAGE FROM THE EDITOR

The Green Mountain Civil Report is the newsletter of the Vermont Section of the American Society of Civil Engineers. This newsletter intends to keep you up-to-date on the activities of civil engineers around our state.

Did you or your firm recently complete an interesting project that others would enjoy reading about? Does your firm have an engineering position open? Are you an ASCE member looking for a new position? Do you know of an upcoming engineering seminar or conference? If so, please send in a brief note to the Green Mountain Civil Engineering Report.

Please feel free to contact us with your announcements. We will work hard to get them included in the newsletter. The newsletter is typically distributed via email, however if you would like a hard copy or if you are not receiving the E-Newsletter and would like to please contact Shawn Kelley (Secretary and Newsletter Editor) at [skelley@geodesign.net](mailto:skelley@geodesign.net) or any of the officers listed below.

## Job Offerings

1. GeoDesign, Inc. is seeking applicants for geotechnical engineering opportunities in VT and CT. Positions include internships and full-time assignments. Visit our website at [www.geodesign.net](http://www.geodesign.net) for company contact information.

*If your company has any job opening, please submit them to Shawn Kelley, VT Section Secretary and Newsletter Editor at [skelley@geodesign.net](mailto:skelley@geodesign.net) for posting.*

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## OTHER ANNOUNCEMENTS OF INTEREST

### 1) ENGINEERS WITHOUT BORDERS

Please keep the evening of Tuesday, March 7th free for an informational meeting on the Vermont Professional Chapter of Engineers Without Borders. Engineers Without Borders (EWB) is a non-profit organization established in 2000 to partner with developing communities worldwide in order to improve their quality of life. This partnership involves the implementation of environmentally and economically sustainable engineering projects, while involving and training responsible engineering professionals and students. The Vermont Chapter of Engineers Without Borders is having its kickoff meeting on March 7th, 2006. Whether you have an engineering background or not, if you're interested in getting involved in this exciting and rewarding work, we would love to have you.

To learn more about the needs and requirements of the Vermont chapter, we encourage you to attend the meeting!

When: Tuesday, March 7 6:00 PM  
Where: University of Vermont  
Votey Building  
Room 105

For more information on Engineers Without Borders, visit [www.ewb-usa.com](http://www.ewb-usa.com). For more information on

the Vermont Professional Chapter, visit [www.ewbvt.org](http://www.ewbvt.org), or email [info@ewbvt.org](mailto:info@ewbvt.org).

### 2) ENGINEERS DAY UNDER THE DOME

All Vermont Engineers are invited to gather in the Card Room at the Statehouse on Wednesday March 30, 2006 from 8am-2pm. Representatives from the state engineering societies will be available to discuss issues that are of interest to the engineering community. We welcome all to attend and meet the local professionals dedicated to protecting the health, safety and welfare of the general public.

### 3) Stormwater Quality and Quantity Controls \*\*\*FREE SEMINAR\*\*\*

Shurtleff Stormwater Solutions is pleased to invite Vermont Engineers to a **FREE** Morning Seminar featuring three one-hour presentations. The presentations will be given by:



: Stormwater Quality Options: Hydynamic Separation, Filtration and Debris Removal by Stormwater 360: A comprehensive discussion of the systems available and their performance in reducing stormwater contaminants.



: Quality and Quantity Controls by Contech Construction Products: The proper sizing, installation of Box Culverts, Culverts and related stormwater management systems including retention and detention systems.



Stormwater Solutions  
Environmental Products and Systems

: Erosion, Sediment and Stormwater Pollution Control by Shurtleff  
Stormwater Solutions: From site stabilization and dewatering operations to ditch management, filtration and control of oils and bacteria.

**Please see the attached flyer for more information and to sign up for this FREE seminar**

**4) 2006 Electrical Transmission  
Conference on Electrical Transmission  
Line and Substation Structures**

**STRUCTURAL RELIABILITY IN A  
CHANGING WORLD**

OCTOBER 15-19, 2006 \_ BIRMINGHAM, AL

Exchange ideas and technical knowledge as you meet with friends and colleagues during this five day hands-on conference.



For more information and to register:

**Call: 703-295-6095**

or Visit: [www.seinstitute.org](http://www.seinstitute.org)

**SPACE IS LIMITED SO REGISTER EARLY!**

**5) ASCE Civil Engineering Conference '06**

**OCTOBER 18-22, 2006**

**CHICAGO, IL**

**go to [www.asce.org](http://www.asce.org) for more  
information**

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**2005/2006 ASCE VERMONT  
SECTION OFFICERS**

**Past President: Lynnette Whitney, P.E.**  
[LWhitney@dubois-king.com](mailto:LWhitney@dubois-king.com)

**President: Shawn Patenaude, P.E.**

[SPatenaude@Dubois-King.com](mailto:SPatenaude@Dubois-King.com)

**President Elect: Chantal Beliveau, P.E.**  
[ChantalB@EngineeringVentures.com](mailto:ChantalB@EngineeringVentures.com)

**Treasurer: Lynnette Whitney, P.E.**  
[LWhitney@dubois-king.com](mailto:LWhitney@dubois-king.com)

**Secretary: Shawn Kelley, Ph.D., E.I.**  
[skelley@geodesign.net](mailto:skelley@geodesign.net)

**Director: Sherward Farnsworth, P.E.**  
[Sherward.Farnsworth@state.vt.us](mailto:Sherward.Farnsworth@state.vt.us)

**Director: Jean-Guy Beliveau, Ph.D., P.E.**  
[beliveau@emba.uvm.edu](mailto:beliveau@emba.uvm.edu)

**YMF President: Stephanie Zehler, E.I.**  
[stephaniezehler@gmail.com](mailto:stephaniezehler@gmail.com)

**Stormwater Quality and Quantity Controls**  
**“An Engineers Approach”**  
**\*\*\*\*Free Seminar\*\*\*\***

**FOUR SEMINAR LOCATIONS TO CHOOSE FROM**  
**Each from 8:00 AM to Noon**

- Augusta, ME: Monday, March 27, **The Augusta Civic Center, 76 Community Dr. 207-626-2405**
- Lowell, MA: Tuesday March 28, **Double Tree Riverfront Hotel, 50 Warren St, 978-452-1200**
- Montpelier, VT: Wednesday March 29, **Capitol Plaza Hotel, 100 State St., 802-223-5252**
- Concord, NH: Thursday March 30, **Holiday Inn Concord, 172 North Main St, 603-224-9534**

[A Breakfast will be served](#)

**Shurtleff Stormwater Solutions is pleased to invite you to join us for a Morning Seminar**  
**featuring three one-hour presentations:**

**Stormwater Quality Options: Hydrynamic Separation, Filtration and Debris Removal by Stormwater 360:**  
A comprehensive discussion of the systems available and their performance in reducing stormwater contaminants.  
Mr. Kevin McKee P.E., Stormwater 360 FMI: [www.stormwater360.com](http://www.stormwater360.com)

**Stormwater Conveyance Systems: Quality and Quantity Controls by Contech Construction Products:** The proper sizing, installation of Box Culverts, Culverts and related stormwater management systems including retention and detention systems. Richard Tibbetts and Stephen Wolf P.E. Contech Construction Products.  
FMI [www.contech-cpi.com](http://www.contech-cpi.com)

**Erosion, Sediment and Stormwater Pollution Control by Shurtleff Stormwater Solutions:** From site stabilization and dewatering operations to ditch management, filtration and control of oils and bacteria. Malcolm Poole, W.H. Shurtleff Company. FMI [www.whshurtleff.com](http://www.whshurtleff.com)

**Schedule**

7:30 AM Registration and Breakfast  
8:00 AM Programs begins, approximately 45 minutes each  
There will be a 10-minute break between presentations  
11:30AM Adjourn

There is no charge for this presentation; Seating is limited, for more information call  
1-800-663-6149 or [mpoole@whshurtleff.com](mailto:mpoole@whshurtleff.com)

**Please fax or email your reservation to us today on the enclosed form**

[Visit www.whshurtleff.com](http://www.whshurtleff.com)  
[for information on our Construction Site Environmental Emissions Management Seminar](#)

**Stormwater Quality and Quantity Controls Seminar**  
**“An Engineers Approach”**

Please check the session you plan to attend:

March 27: Augusta, ME       March 28: Lowell, MA  
 March 29: Montpelier, VT       March 30: Concord, NH

**Reservation Form**

Please register by March 17, 2006

Fax: **207-885-1240**  
E-Mail to [mpoole@whshurtleff.com](mailto:mpoole@whshurtleff.com)  
Mail to: W.H. Shurtleff Company  
One Runway Road, Suite 8  
South Portland, Maine 04106

Number attending: \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Organization name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_

Please check type of organization:  
Contractor  Municipal  Engineer  Environmental  Service  Other

Telephone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_

May we contact you and share information via email and fax? Yes  No

There is no charge for this seminar. Seating is limited. Please return by March 17, 2006  
Confirmation and Certification of Attendance will be provided

**Fax this form to 207-885-1240**  
**W.H. Shurtleff Company**  
One Runway Road, Suite 8  
South Portland, Maine 04106  
1-800-663-6149  
[mpoole@whshurtleff.com](mailto:mpoole@whshurtleff.com)