



- FROM THE DIRECTOR -

David Welsh’s last column said, “It is my hope that you all will put extra effort into the organization that you as members have built over the past decade. NEBC only exists because of the commitment of its members, board of directors, and staff.” I have to second that comment.

This organization’s success is wholly dependent on the commitment, support and involvement from you, the members. As I take the reigns from David, I’m fortunate to have the support of your forward-thinking Board of Directors and a stellar staff in the office, in both Cara and Linda, to continue moving the organization forward.

It’s going to be an extremely busy autumn for all of us at NEBC, in particular with both the Environmental Council of Washington in October 19 – 20, and Northwest Environment Conference, November 16 – 17. However, as long as we still have time to take in college football on Saturdays (go Bucks!) everything will be just fine.

I’m looking forward to meeting you all at an upcoming event. Until then, feel free to call anytime (503-227-6361) to introduce yourself, chat and talk about your goals and interests for NEBC.

- Susan Hanf

- SPONSOR HIGHLIGHT -

Rinker Materials Northwest, formerly CSR Associated has been serving Washington, Oregon, and Alaska for over 70 years. We are a major supplier of aggregates, ready-mixed concrete, and asphalt. We also provide an economical source for disposal of TPH contaminated soil and operate the only DOE approved landfill for low TPH soil in the Seattle/Tacoma/Everett area. Rinker Materials is part of the Rinker family, with operations in over 31 states. For more information, please call us at 425-355-2111.



- TABLE OF CONTENTS -

Industry/Association News	p. 2
NEBC Members are Saving Money	
Environmental Business Journal	
Profitable Sustainability: The Future of Business	
AWB Awards	
Call for Science & Technology Articles	
DEQ Rulemaking	
Member-to-Member	p. 4
Members in the News	
Education	
Events	p. 6
Cascade Summer Mixer	
Environmental Conference of Washington	
Northwest Environmental Conference	
Events Calendar	p. 9
Contact Information	p. 9

NEW MEMBERS

Repcon Engineering Ltd.
Urban Redevelopment, LLC

RENEWING MEMBERS

Center for Multiphase Environmental Services –
Washington State University
Ecology and Environmental, Inc.
Eco-Tech, Inc.
Environmental History Company, Inc.
Enzyme Technologies, Inc.
Hillis Clark Martin & Peterson
Romic Environmental Technologies
SCS Engineers
Umpqua Research Company
Van Ness Feldman
WasteXpress Environmental Services

- INDUSTRY/ASSOCIATION NEWS -

NEBC MEMBERS ARE SAVING MONEY! THE PROOF IS IN THE NUMBERS!

PPO Plan \$10 Office visit with no deductible. 90% hospital after \$250 deductible with Rx and alternative care. Employee rate \$256.18 or an entire family for \$717.32

PPO Plan \$15 Office visit with no deductible. 80% hospital after \$500 deductible with Rx and alternative care. Employee rate \$231.23 or an entire family for \$647.47

PPO Plan \$15 Office visit with no deductible. 70% hospital after \$1,000 deductible with Rx and alternative care. Employee rate \$212.21 or an entire family for \$594.20

These are not imaginary rates! And this is from a leading carrier in Oregon. Over 80% of the companies using these benefits pay these rates. All plans include same sex or opposite sex domestic partner coverage. Vision, dental, Life & Disability are also available at deeply discounted rates! Call our benefits representative today, Tino Versoza (800) 627-5345. (medical is available in Oregon & SW Washington only). For more information:

www.cooleremail.net/users/getbenefits/NeworRenew_AlliedMktg.html

ENVIRONMENTAL BUSINESS JOURNAL

Save \$190 - Get 2 EBJ Remediation Issues AND the 2003 Remediation Market Data. Environmental Business Journal has just released the 2003 update of the US remediation market data. You can get the special data pack and take advantage of the special discount. The package includes the two recent remediation issues of EBJ. In this package you'll get: U.S. Site Remediation Market 1988 – 2010; Remediation Technologies 1992-2004; EBJ's Top Remediation Firms, 2003; Distribution of Remediation Companies, 2003; Remediation Opinion Survey Results. All available immediately when you place your order (you'll be instructed to download). You'll also be receiving in mail separately the Environmental Business Journal Vol.XVII No.1/2 (Site Remediation 2004) and Environmental Business Journal Vol.XVII No.3/4 (Site Remediation & Federal Markets 2004). You can read more details about this package and view the table framework by visiting <http://echo.bluehornet.com/ct/ct.php?t=646804&c=363099089&m=m&type=3>

PROFITABLE SUSTAINABILITY: THE FUTURE OF BUSINESS

The 6th Annual Profitable Sustainability Conference will be held September 26 – 29, 2004 at the Westin Hotel in Seattle, WA. A working conference featuring: CEOs charting new paths to profitability; Smart Technologies; Innovative Strategies; New Business Models; Solutions to everyday challenges and obstacles. Our unique conference format provides opportunities to engage with big picture issues while following an individualized program of strategic learning and networking.

- Plenaries and Forums on key topics of sustainable business.
- Workshops and Learning Centers providing concrete tools.
- Exhibits and case studies by world class companies.
- Collaboration and alliance-building across sectors.

The Network for Business Innovation and Sustainability/NW supports business, higher education, nonprofit and government organizations in creating prosperous economies, communities and a healthy environment.

For more information and to register, please visit <http://www.nbis.org/>

RECEIVE RECOGNITION FOR YOUR COMPANY'S ACHIEVEMENTS

The Association of Washington Business Environmental Excellence Awards are over a decade old and recognize members who go the extra mile to protect Washington's environment. These awards will be presented at an October 19 luncheon held in conjunction with our annual Environmental Conference scheduled for October 19 & 20, at the Washington State Convention & Trade Center. The nomination deadline is September 10, 2004.

Why not tell other AWB members and the public what you are doing? Hometown press releases and photos of the award ceremony will be sent to news media and the events will be featured in our magazine Washington Business. AWB will also provide you with stories and photos for your company publications.

We look forward to receiving your company's nomination form and seeing you at the award presentation! Nomination forms are available on our Web site at www.awb.org. If you would like us to fax or mail a form to you, please contact Amy Johnson at amyj@awb.org or call 800-521-9325, extension 1022.

CALL FOR SCIENCE & TECHNOLOGY ARTICLES

NEBC is an advocate for the use of sound science in all policy making. NEBC acts as a regional source of environmental expertise and science for local, state, and federal agencies, policy makers and the public. To that end the NEBC Board of Directors has established a working group to coordinate the collection of issues of interest to membership. The goal is to eventually maintain a collection of sources, including websites, organizations, and/or journals, that could benefit the professional development of NEBC members. The board is currently seeking input from members on which issues are of interest and a list of where individuals are looking for resources related to those topics. Please submit ideas to cara@nebc.org or via fax at 503.222.5050.

DEQ REVISED RULEMAKING PROPOSAL

ENFORCEMENT PROCEDURES AND ASSESSMENT OF CIVIL PENALTIES FOR ENVIRONMENTAL VIOLATIONS AND REGARDING THE EXPEDITED ENFORCEMENT PROCESS FOR UNDERGROUND STORAGE TANK VIOLATIONS

– One of the main goals for the Oregon Underground Storage Tank (UST) Program is to establish a compliance program that will satisfy EPA's criteria for state program approval. To aid in accomplishing this goal with limited resources, the Department implemented a pilot expedited enforcement process in February 2004 as directed by the 2001 Legislature. In this proposal the Department is proposing to eliminate the prohibition against including Class I UST violations in the field citation program. The Department will again conduct public hearings. Comments will be accepted either orally or in writing at these hearings. They will be held, Tuesday, August 24, 2004, at 4:00 PM at the DEQ Offices located at 750 Front Street NE, Suite 120, Salem, Oregon and Wednesday, August 25, 2004, at 10:00 AM at the DEQ Offices located at 811 SW 6th Avenue, Conference Room 3A, Portland, Oregon. Written comments can be presented at the hearing or to the Department any time prior to 5:00 PM on August 31, 2004. Comments should be sent to: Department of Environmental Quality, Attn: Anne Price, 811 SW 6th Avenue, Portland, Oregon 97204.

- MEMBER-TO-MEMBER -

MEMBERS IN THE NEWS

NEW BRANCH OFFICE IN BOISE TerraGraphics Environmental Engineering, Inc. has opened a branch office in Boise, Idaho, at 2404 West Bank Dr., Suite 100. In addition to its Boise office, TerraGraphics has a principal office in Kellogg and a corporate office in Moscow, Idaho. The goal of opening a Boise office is to better serve TerraGraphics' clients who are located in southern Idaho and to expand its overall market base.

Cheryl Kohtz, EIT, M.S. in Environmental Engineering, B.S. in Civil Engineering, is the Boise office manager. She will be responsible for customer relations and project management. Kohtz is a water resources and environmental engineer with experience in hazardous waste remediation, geotechnical analysis, hydraulic design, and hydrologic analysis.

TerraGraphics is the largest environmental consulting firm in northern Idaho. TerraGraphics is the state of Idaho's technical consultant responsible for oversight of environmental cleanup at the Bunker Hill Superfund Site and surrounding Coeur d'Alene Basin, the largest superfund site in the nation.

For 20 years, TerraGraphics has been offering specialized environmental services to clients throughout the Northwest. The company offers services in five major environmental areas: brownfields/redevelopment, environmental science, environmental engineering, hydrologic services and GIS/database management.

For more information, contact Cheryl Kohtz at (208) 336-7080.

GEOPOTENTIAL IS NOW OFFERING ELECTRICAL RESISTIVITY SURVEYS Electrical resistivity is a geophysical method in which an electrical current is injected into the ground through steel electrodes in an attempt to measure the electrical properties of the subsurface.

Most soils and non-ore bearing rocks are electrically resistive, (i.e., insulators). Soil moisture and ground water are often electrically conductive due to contained dissolved minerals. Therefore the resistivity measured in the ground is predominantly controlled by the amount of moisture and water within the soil and rock (a function of the porosity and permeability), and the concentration of dissolved solids (salts) in that water.

The basic method requires at least 4 steel electrodes be driven into the ground. An electrical current is then applied to the outer electrodes by a battery or generator. A voltage is measured between the 2 inner electrodes using a simple voltmeter. Through Ohm's Law ($V=IR$) and by knowing the input current, the measured voltage and the geometry of the electrode array, a value known as resistance can be calculated. Resistivity, measured in Ohm-meters, is resistance times area divided by distance.

Because the actual current flow is highly influenced by conductive layers, the value measured is known as the "apparent resistivity". In its simplest terms, it represents an average value encompassing all of the different materials within the volume (half-space) of materials being measured. Most modern resistivity meters calculate apparent resistivity once the geometric parameters are input.

Applications at Engineering and Environmental Sites include:

- Stratigraphic Surveys
- Ground Water Mapping Surveys
- Grounding Surveys
- Leachate Mapping Surveys
- Sand and Gravel Exploration Surveys
- Fracture Zone Exploration Surveys
- Areal Surveys (exploring for voids, caves and buried, contaminant filled trenches)

To learn more, please contact Jeff Mann at GeoPotential at 503.646.0905 or by email at jeff.mann6@verizon.net.

EDUCATION

FUNDAMENTAL CHEMISTRY WORKSHOP FOR ENVIRONMENTAL PROFESSIONALS (CHEM-402) presented by the Northwest Environmental Training Center will be held August 26 - 27, 2004, 8:30 A.M. to 4:30 P.M. at the Ecotrust Conference Center located at 721 NW 9th Avenue, Portland, Oregon. Course Description: This course provides participants with a review of fundamental chemistry and environmental chemistry concepts. The curriculum is designed for environmental professionals who are not chemists, but who require an understanding of fundamental chemistry for their work. Dr. Harvey received her Masters degree in Chemistry from University of Washington in 1983 and her Ph.D. in analytical chemistry from University of Washington in 1987. Since then, her work has included serving as an environmental chemist, lab manager, quality assurance director, and college chemistry professor. For more information and to register call 206.762.1976.

INTRODUCTION TO ARC HYDRO - A NEW ARCGIS EXTENSION FOR WATER RESOURCE PROFESSIONALS Course No. GIS-405 presented by the Northwest Environmental Training Center will be held September 15 - 16, 2004, 8:30 A.M. to 5 P.M. (2 Days) at the Evergreen State College CAL Lab, Lab 2 Building 2700 Evergreen Parkway, Olympia, Washington. Course Description: This two-day course provides an introduction to the Arc Hydro data model and tools for managing water resources with ArcGIS (formerly known as ArcView/ArcInfo). The course provides a brief introduction to relational database concepts and quickly transitions into using the Arc Hydro data model to build a sample model of a river basin. In the process of building up the sample model participants will learn the basic principles of the Arc Hydro data model and how the Arc Hydro tools can be used to manage and work with hydrologic data. Arc Hydro is a geospatial and temporal data model for water resources that operates within ArcGIS. This new 'framework' allows water resources professionals to do a multitude of water resource modeling. At the heart of this framework is a relational database model that provides both flexibility and power to adapt the data model to the wide array of water resources challenges and issues. Arc Hydro is a data structure that supports hydrologic simulation models, but it is not itself a simulation model. Arc Hydro comes with a set of tools to develop your database. For more information and to register call 206.762.1976.

CONTAMINANT CHEMISTRY AND TRANSPORT IN SOIL, SURFACE WATER, AND GROUNDWATER Course No. CHEM-403 presented by the Northwest Environmental Training Center on September 28 - 29, 2004, 8:30 A.M. to 5 P.M. at the Ecotrust Conference Center located at 721 NW 9th Avenue, Portland, Oregon. Course Description: This course provides participants with an overview of the key concepts surrounding environmental contamination and provides a foundation for understanding the release, transport and fate, sampling, analysis, and remediation of chemicals in soil, surface water, and groundwater. This material is intended for environmental professionals who are not chemists, but who require a fundamental understanding of contaminant behavior and monitoring parameters for their work. This course is recommended for all environmental professionals working with contaminated soil and water with minimal formal training in this subject. The course material will greatly enhance on-the-job training. It is also recommended for project managers seeking a review of the subject. For more information and to register call 206.762.1976.

PORTLAND STATE UNIVERSITY PROFESSIONAL CERTIFICATE IN IMPLEMENTING SUSTAINABILITY, FALL 2004 "Building Human Capacity for Implementing Best Practices" This integrated program provides university- level training in the concepts and tools needed to begin or enhance a sustainability program in your business, agency, or organization. The courses feature the application of key concepts and methods to your workplace. The courses are taught by practicing experts, experienced trainers, and university faculty. As part of the certificate, students develop a proposal for a sustainability-related project that will improve your organization's economic, social and environmental "triple bottom line." To register, go to www.sustain.pdx.edu/register.php

AIR PERMITTING IN OREGON August 17th — 8:00 a.m. – 5:00 p.m. in Portland, Oregon. The course will cover the fundamentals of air permitting in Oregon and also address emerging issues such as recent Maximum Achievable Control Technology (MACT) standards. Items to be covered include:

- A detailed introduction to the Oregon air permitting program, including the Air Contaminant Discharge Permit (ACDP) program, the Plant Site Emission Limit (PSEL) rules, and the Notice of Construction / permit modification process.
- Understanding when the Oregon PSD and NSR (Nonattainment area review) programs apply, strategies to improve flexibility for your facility while minimizing permitting requirements, and how to survive Best Available Control Technology (BACT) and Lowest Achievable Control Technology (LAER) requirements.
- How to determine if modifications trigger New Source Performance Standards (NSPS) or Maximum Achievable Control Technology (MACT) requirements.

For more information or to register on-line, go to: <http://www.trinityconsultants.com/coursedetails.asp>

Invite you to the

3rd Annual Cascade Chapter Summer Mixer

Join fellow NEBC Board of Directors, NEBC members, colleagues, and guests as we welcome NEBC's new Executive Director. This is a great time to meet new members and network with potential partners.

Thursday, September 9, 2004

5:30 - 7:30 PM

Lane Powell Spears Lubersky LLP
601 SW Second Avenue, Suite 2100
Portland, Oregon

\$35.00 each for NEBC Members & Guests

\$45.00 each for Non-NEBC Members

Semi-hosted Bar and Heavy Hors d'oeuvres Buffet

Pre-registration is recommended. Space is limited - register today.

Cancellations accepted until 12:00 PM, September 7, after which no-shows will be charged.

Special Thanks to our Event Sponsors!



For more information contact NEBC at 888.609.NEBC or visit our website at www.nebc.org.

To attend, fax completed form to 503.222.5050 or mail with payment to NEBC, P.O. Box 672, Portland, OR 97207.

Name: _____

Company Name: _____

Additional Attendees: _____

Phone: _____ Fax: _____ Email: _____

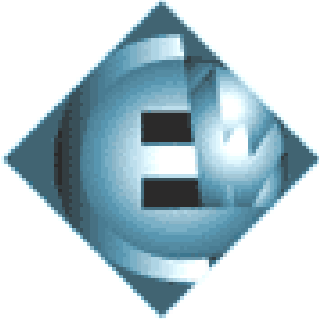
Payment Type: Check Visa MasterCard Total Payment Enclosed: \$ _____

Card #: _____ - _____ - _____ - _____ Exp. Date: ___ / ___

Signature: _____

Environmental Conference of Washington

The forum for current and emerging environmental management and policy issues
Washington State Convention & Trade Center
October 19 & 20, 2004



The Environmental Conference of Washington is part of the Association of Washington Business' (AWB) ongoing effort to keep companies informed of the numerous environmental laws, regulations and policy issues. Serving as Washington's states chamber of commerce, AWB has offered cost-effective, practical and timely information on environmental issues for over 11 years. AWB has partnered with the Northwest Environmental Business Council (NEBC) to bring you the most comprehensive forum in Washington

for in depth discussion of environmental policy, technical and regulatory issues. The conference is organized into three tracks so that you can tailor the program to meet your needs.

Interested in Exhibiting?

Reserve your booth on the tradeshow floor of this premier event now! Space is limited and the trade show has sold out the last two years in a row. The tradeshow showcases companies offering advanced environmental technologies and services. This is a great opportunity for you to bring your latest innovations and service offerings in front of decision-makers, product buyers and the regulated community. For more information, please call Cara Bergeson at 503.227.6361 or email at cara@nebc.org.

The tradeshow showcases companies offering advanced environmental technologies and services. This is a great opportunity for you to bring your latest innovations and service offerings in front of decision-makers, product buyers and the regulated community.

Northwest Environmental Conference

A Forum for Practical Environmental Management



The Northwest Environmental Conference (NWEC) is the largest, most comprehensive environmental conference and tradeshow in the Pacific Northwest. NWEC's goal is to provide low-cost environmental management training to a broad range of environmental professionals.

The 2004 Conference continues more than 16 years of tradition of providing a forum to Help environmental professionals in the Pacific Northwest achieve environmental Excellence. The conference includes:

- NWEC tradeshow presented by the NEBC
- A pre-conference HAZWOPER training opportunity
- Table Talks - open discussions on hot environmental topics over breakfast

This year's conference will feature more interactive sessions, case studies, roundtable discussions facilitated breakfast table topic discussions, and plenty of networking opportunities. The conference sessions are divided into four tracks that address the needs of a diverse audience:

Tracks:

Environmental 101 – provides basic information to help businesses operate within compliance guidelines

Advanced Technical – provides practical advice on the latest technologies and techniques to improve environmental performance

Advanced Leadership and Management – highlights leading innovations in environmental management and ideas for operating “beyond compliance”

Roundtable – offers stimulating discussions on hot environmental topics

November 16 & 17, 2004

DoubleTree Jantzen Beach Hotel
Portland, Oregon

Presented by:

Associated Oregon Industries

Oregon Department of
Environmental Quality

Washington Department
of Ecology

Northwest Environmental
Business Council

www.nwec.org

Online registration coming soon.

- NEBC 2004 EVENTS CALENDAR -

September			
1	Olympic Chapter Luncheon – Topic: TBD	11:30 AM – 1:00 PM	McCormick & Schmick's Harborside – Seattle, WA
9	Cascade Chapter Summer Mixer	5:00 PM – 7:30 PM	Lane Powell Spears Lubersky – Portland, OR
October			
7	Cascade Chapter Luncheon – Topic: TBD	11:30 AM – 1:00 PM	Fifth Avenue Suites – Portland, OR
19 -20	Environmental Conference of Washington	All Day	Washington State Convention & Trade Center – Seattle, WA
November			
3	Olympic Chapter Luncheon – Topic: TBD	11:30 AM – 1:00 PM	McCormick & Schmick's Harborside – Seattle, WA
16 - 17	Northwest Environmental Conference	All Day	DoubleTree Jantzen Beach – Portland, OR

***Events are subject change.**

- NEBC CONTACT INFORMATION -

www.nebc.org

P.O. Box 672
 Portland, OR 97207-0672
 Voice: 503.227.6361
 Toll Free: 888.609.NEBC (6322)
 Fax: 503.222.5050

Executive Director
 Susan Hanf
susan@nebc.org

Program Manager
 Cara Bergeson
cara@nebc.org

Office Manager
 Linda Sheeley
linda@nebc.org