



# E-News

“Your home for envirostuff”

## - FROM THE DIRECTOR -

Pheww, we got through February. Time to look forward to Spring and warmer temps. I will be reacquainting myself with my golf clubs very soon.

We had two very successful luncheons this past month, with combined attendance of 120 folks. That is the product of good topics and input from members. Specifically in February I want to thank Sean Ragain, GeoEngineers, for contacting and inviting DEQ's Michael Anderson and Bruce Hope to present to the Cascade Chapter on clean-up guidance related to sediments. The presentations were informative and well received. Similarly, my thanks to Sean McVay, Marsh Environmental, for putting together a great presentation for the Olympic Chapter on insurance related to clean-ups and projects. It is efforts like this by members that are making NEBC a vibrant trade association.

In other developments, a group of NEBC members is currently in talks with DEQ in Oregon on the proposed move of its laboratory out of its current space. NEBC had expressed some concern about the lab's Needs Assessment and Business Plan outlining the move. As a result, the agency has invited NEBC to work with it to develop a legislative proposal that is mutually agreeable. DEQ has made it very clear that our endorsement is very important to them as they move forward. If you are interested in learning more please contact me.

We've had tremendous response to our employee benefits package offered through our partnership with the Associated Technology Council. See below for more information and learn what you are missing. Finally, we will be conducting our "Day on the Hill" in Olympia the week of March 24<sup>th</sup>. We will be arranging meetings with key Washington legislators in our overall defense of the tax incentives related to our industry. Time to GET INVOLVED!

As always, it is important that we hear from you. Let us know how NEBC can be of assistance.

-David W. Welsh

Happy St. Patrick's Day

## - SPONSOR HIGHLIGHT -

# Heller Ehrman

ATTORNEYS

Heller Ehrman White & McAuliffe LLP

Heller Ehrman is a full-service law firm with one of the largest environmental and land use practices on the West Coast. The diverse client base of our environmental group includes large and small companies engaged in manufacturing, mining, hazardous waste management, real estate and financial services, as well as municipal governments and public ports. Our attorneys are experienced in the many complexities of environmental law and provide counseling, litigation, and administrative and legislative services on the full array of environmental issues facing today's business.

## RENEWING SPONSORING MEMBER

Wilder Construction Company

## RENEWING MEMBERS

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## - GOVERNMENT AFFAIRS -

### DEQ ONSITE PROGRAM IMPROVEMENT UPDATE

The DEQ Onsite Program Improvement Advisory Committee is nearing final recommendations for rule and program changes affecting the onsite sewage program in Oregon. Details of topics and discussions can be reviewed at <http://www.deq.state.or.us/wq/onsite/onsite.htm>. Loren Garner of Bio Reaction Industries represents NEBC on the committee and welcomes your thoughts and input prior to the next meeting on March 31, 2003. Please contact Loren at [lgarner@bioreaction.com](mailto:lgarner@bioreaction.com) or 503-691-2100 for more information or to provide input if any of the following topics are of interest to you:

- Onsite Sewage Service Provider Certification
- O&M Requirements in permits for advanced systems including sand filters
- Replacing some WPCF permits with Installation Permits containing maintenance contracts
- Multi-year Licensing
- Onsite system disclosures on Real Estate Seller Disclosure forms
- Potential rule and statute changes
- County versus state operation of the onsite program
- Keeping WPCF permit process for system larger than 2500 gallons/day
- Fees and operating budgets
- Alternative Product approval
- Time of sale inspections
- Privatization of Site Evaluations
- The cumulative effect of recommended changes

## ENVIRONMENTAL INDUSTRY DAY ON THE HILL

NEBC is offering an opportunity for members to learn more about the legislative process in Olympia, with its second annual "Environmental Industry Day on the Hill." NEBC lobbyists Jerry Smedes and Linda Dennis will meet with interested members the week of March 24 in Olympia to explain the legislative process, meet with selected legislators, and visit the Capitol campus during the Legislative Session. Two of the major issues of interest to environmental companies are in the mainstream of this process; House Bill 1454, the extension of tax credits for Research and Development in environmental technologies and the tax incentives for environmental remediation. Details of the logistics and agenda will depend upon the number of participants, so please call your NEBC staff as soon as possible to indicate your interest.

## WASHINGTON LEGISLATURE OFF TO FAST START

This legislative session may ultimately set records for length, due to the challenging fiscal problems the state must solve. However, from the opening gavel on January 13, it has been on a furious pace. Two of the major issues of interest to environmental companies are in the mainstream of this process.

House Bill 1454 had a public hearing in the House Finance Committee on February 4. NEBC's lobbyist, Jerry Smedes of Smedes & Associates, testified on behalf of the environmental industry to support the extension of tax credits for Research and Development in environmental technologies. NEBC played a role in the original passage of this tax incentive in 1994. It is a critical issue for member companies that develop new or improved technologies in the areas of environmental remediation, pollution control, environmental modeling, and natural resource management. (These do not have to be proprietary technologies – they include work done under contract to solve environmental problems for public or private clients.) Similar bills will be heard in the Senate shortly, and NEBC will continue to coordinate with other affected industries to continue this program.

Another area of importance to NEBC members is the reauthorization of tax incentives for environmental remediation. Site owners have avoided sales tax on cleanups, and many NEBC members have benefited from the lower B&O Tax rates for studies, remediation and monitoring of contaminated sites. The legislation that created this program was the culmination of a lengthy and detailed review of the Model Toxics Control Act. Smedes represented the environmental industry on the Policy Advisory Committee, and NEBC was the lead in developing these tax incentives that were passed in 1998. Rep. Kelli Linville (D-42<sup>nd</sup> District) has sponsored HB 1525 to extend the incentives for five years beyond the current July 2003 expiration date. Another bill has also been submitted to extend the tax preferences permanently. The timing is unfortunate for this program to expire this year, with the state facing severe financial problems. However, to impose sales tax and higher B&O Taxes on environmental cleanups would generate a relatively small amount of revenue for the state, and encourage delays in cleanup and greater contamination of soils and groundwater.

This incentive is a proactive approach to cleanup that is supported by site owners and the environmental industry. It is important that the Legislature not lose sight of being good stewards of the environment, while also being good stewards of the state's finances. The ability to expedite cleanup has led to economic development and reuse of "brownfields." It has reduced the need for agency enforcement and litigation, creating a positive financial impact on both the state and site owners. Although this may appear to be a logical approach to cleanup, it will be an uphill struggle.

Both of these tax measures will have to clear many hurdles in the legislative process, and compete for balancing the budget will be intense. While NEBC will be actively working on these bills in Olympia, there are some simple steps that members can take to assure that the voices of our industry are heard. We encourage members to contact Jerry Smedes or the NEBC office to see how they can support these efforts. Also – stay tuned for details of our second annual Day on the Hill for environmental companies, coming up in early March. This will be a great opportunity to see first-hand how the legislative process operates, and to share your concerns with legislators.

## - INDUSTRY/ASSOCIATION NEWS -

### NEBC MEMBERS RUSH TO NEW BENEFITS

Earlier this month many of you received information regarding the benefits available through the Associated Technologies Council (ATC). Members of the NEBC in Oregon are eligible for PPO medical and Rx plans for as little as \$193 per month. Dental and Domestic Partner coverage is also available with companies enrolling two or more employees. In addition, online wellness programs and web based benefit administration, including COBRA, is included at no additional cost. Several NEBC members are taking advantage of these benefits and saving 20% or more over their current premiums. In many cases they are also improving their benefit offerings. You should too! Contact the NEBC office or ATC representative, Tino Versoza at H-C & Associates by dialing (800) 627-5345.

### DEQ BUDGET OVERVIEW

The recent failure of Measure 28 to pass subtracted another \$895,798 from the Oregon Department of Environmental Quality's (DEQ) already curtailed budget. The latest cuts took effect on February 1<sup>st</sup>, 2003, and are permanent – i.e., they will carry over into the 2003-2005 biennium. The resulting work impacts include elimination of DEQ's Green Permits Program. Other pollution prevention initiatives will also be eliminated as will oversight of air emissions testing at permitted facilities and water quality use attainability analysis. The total DEQ budget cuts from Measure 28 and 2002 Special Legislative Session now amounts to \$4.7 million and 30 full time employee (FTE) equivalents. For 2003-2005, this amounts to \$6.6 millions in cuts. Through vacancies/retirements and reassignments, DEQ was able to accomplish staff cuts without layoffs.

In January Governor-elect Kulongoski released his plan for spending Oregon's \$11.5 billion budget during the 2003-2005 biennium – two percent of which will be shared by all the State's natural resource programs. Of the \$273.8 millions going into DEQ's budget, 12 percent comes from the State's General Fund, while 73 percent derives from DEQ fee revenue, 14 percent federal funds, and 1 percent from state lottery funds. DEQ's General Fund allocation is 23 percent smaller than what was approved by the 2001 legislature because of cuts made during last year's special sessions and the failure of Measure 28. DEQ believes it will be able to accomplish certain "highest priorities" under the Governor's Balanced Budget. DEQ's highest priorities include: Completing the Willamette River water quality improvement plan (TMDL); Supporting Department of Administrative Services (DAS) certificates of participation for relocation/co-location of the Oregon Department of Human Services and DEQ's laboratory; Maintaining federal delegation of the Hazardous Waste program through an increase in hazardous waste fees; Maintaining high quality vehicle inspection program; and Ratifying air and water quality fee increases authorized by the 2001 Legislature.

For a complete copy of article, please contact David Light, Oregon Insider, at 541.343.8504. For more information on DEQ's budget or legislative priorities, please contact Holly Schroeder, Administrator, DEQ Office of Budget, at 503.229.6785.

### AGENCY VYING FOR FEDERAL BROWNFIELDS ASSESSMENT GRANT, PUBLIC INVITED TO SUBMIT COMMENTS TO DEQ MARCH 10-14

The Oregon Department of Environmental Quality (DEQ) is seeking public comments on the agency's pending application to the U.S. Environmental Protection Agency (EPA) for a brownfields grant that could secure up to \$400,000 for assessing brownfield sites throughout Oregon with potential or known environmental problems. Brownfields are properties where expansion, redevelopment or reuse may be complicated by the presence or potential presence of a contaminant, pollutant or hazardous substance. The grant would allow DEQ to perform assessments at 10 sites around the state to examine site condition and determine if contamination has occurred in the subsurface, or to further delineate the extent of known contamination. Each of these sites is in a rural or economically distressed Oregon community interested in redeveloping the sites to stimulate new economic development. Most of the sites proposed for site assessments under the grant are former gas stations. Proposed site assessments would occur in Baker City, Blodgett, Coquille, Drain, Elmira, Hermiston, Hines, Klamath Falls, Prairie City and Sumpter (see details below). The grant would be administered by DEQ in conjunction with EPA's Office of Brownfields Cleanup and Development. Site assessment activities for each locale will be performed by DEQ staff or sub-contracted to DEQ's environmental contractors. For more information, please contact Katie Robertson, Brownfields Coordinator, Eastern Region, Pendleton, (541) 278-4620, or Brian White, Communications & Outreach, Portland, (503) 229-6044.

## DEQ RULEMAKING HEARINGS

**Rulemaking Proposal and Rulemaking Statements – Solid Waste Rule Amendments Classifying Clean Dewatered Sediment as Clean Fill.** The Department will conduct public hearings at which comments will be accepted either orally or in writing. The hearings will be held March 18, 2003 in The Dalles, Oregon; March 19, 2003 in Portland, Oregon; and March 20, 2003 in North Bend, Oregon. For more information, please contact your NEBC staff or William Bree, Solid Waste Program, DEQ, at 503.229.6046 or by email at [sediment@deq.state.or.us](mailto:sediment@deq.state.or.us)

**Rulemaking Proposal and Rulemaking Statements – Oregon Title V Operating Permit Program CPI Fee Increase.** The Department is conducting a public hearing at which comments will be accepted either orally or in writing on March 25, 2003 in Portland, Oregon. For more information, please contact your NEBC staff or Scott Manzano, DEQ, at 503.229.5675 or by email at [manzano.scott@deq.state.or.us](mailto:manzano.scott@deq.state.or.us)

## NEBC WORKS WITH ENVIRONMENTAL INDUSTRY LEADERS TO PROMOTE SUMMIT

NEBC is working with the Environmental Business Journal to promote the first annual Environmental Industry Summit 2003, to be held March 19-21, 2003 at the Coronado Island Marriott Resort, in San Diego, California. Environmental Business International Inc, publisher of Environmental Business Journal, Environmental Information Ltd., publisher of EI Digest, and Chartwell Information, publisher of Solid Waste Digest Invite you to the first annual Environmental Industry Summit 2003 in San Diego, California. Summit hosts will soon be sending invitations to the Environmental Industry Summit, the environmental industry's top executive retreat. Being held at the prestigious waterfront Coronado Island Marriott Resort, special events include a welcoming dinner on Wednesday, interactive sessions Wednesday-Friday, the Summit Regatta yacht race and the first EBJ Cup golf tournament. Besides ample opportunity for networking with the 80 senior executives we can accommodate at the Summit, our focused agenda concentrates only on key issues of importance to senior executives. Sessions will be divided into issues of common interest to all companies such as regulations, policy, market drivers, industry advocacy and the investment climate; and break-out sessions specific to industry segments such as consulting & engineering, hazardous waste, solid waste, water/wastewater and air quality. Participation will be limited - reserve your spot now! Registration fee of \$995 covers all meals and events excluding golf and resort accommodations. Full details on registration and hotel information will be sent in forthcoming Summit Email updates and at <http://environmental-industry.com/ebj/summit2003.html>. **NEBC intends to send a delegation to the summit and we invite you to join us.**

## WASHINGTON STATE 2003 TRADE WEEK

Washington State 2003 Trade Week - Bringing the World to You! March 24 - April 2, 2003  
Featuring representatives from our state offices in China, Europe, Japan, Korea, and Taiwan. Powerful, Interactive and FREE!

Did you know Washington State maintains 5 foreign trade offices to help you launch your business in new international markets? Meet our field representatives and Seattle trade specialists March 24 - April 2, 2003 when Washington's International Trade Division "hits the road," bringing the global market to your doorstep. If you're looking for expert assistance to take your business global, call today to request your free private market consultation. During your appointment you can receive advice on how to:

- \* Determine the potential for your product in the country of your choice
- \* Locate suitable overseas buyers, distributors, agents, or partners
- \* Identify the best international trade shows for your products
- \* Tap industry association resources at the state and national level
- \* Conduct due diligence and make sure you'll get paid
- \* Secure export financing and leverage your deal with EX-IM Bank loan guarantees

For more information, visit [www.exportwashington.com](http://www.exportwashington.com) or call 206.256.6100.

## ENERGY – A MARKET ASSESSMENT FOR THE NW

As Oregon business continues to strive for diversification and growth, an obvious but quiet giant is awakening in Oregon: ENERGY. There are only a few states in the country with such diverse geography and possibilities for growth in this area. From renewable energy-to-energy efficient technologies, Oregon is prime for energy cluster expansion. The Portland Business Alliance and Oregon Technology Alliance (OTA) are pleased to announce the official launch of the Industry Collaborative Series. The inaugural event will focus on the market assessment of the energy industry and the Northwest. The mission for the series is to provide a forum for energy related organizations to interact to build alliances and exchange information. The series will also showcase Oregon based energy products and services available regionally and throughout the country. The energy events will focus on: energy market assessment research and resources, case studies of successful entrepreneurial ventures and information on federal and state legislative issues. The event is April 9<sup>th</sup> from 2:00pm – 6:00pm at the World Trade Center Mezzanine Level. The Industry Collaborative is the first of its kind produced by the Oregon Technology Alliance and will be held on a quarterly basis. Each quarter, the showcase will focus on a unique Oregon industry cluster. One OTA mission is to promote specific Oregon industries by raising awareness of the industry cluster and assisting individuals companies grow their business. There will be an opportunity for 8 companies to set up exhibit tables at the event for little money to discuss and exchange information with energy related companies in the area. If there are specific companies you feel may benefit from this please either let me know or forward my information to them. For more information, please contact Sean Lowery, ATypical Productions, LLC, at 503.657.9399.

## ENVIRONMENTAL CONFERENCE OF WASHINGTON

Mark your calendars! The Environmental Conference of Washington (ECW) will be held June 11 – 12, 2003 at the Washington State Convention and Trade Center in Seattle, Washington. This two-day conference and tradeshow is dedicated to improving the environmental performance of Northwest businesses. Tailor the conference to meet your specific needs by selecting topics from three tracks: Policy Roundtable, Advanced Management/Technical and Compliance Basics. For more information on the Environmental Conference of Washington visit the conference website at [www.ecwashington.org](http://www.ecwashington.org).

### Interested in Exhibiting?

The Environmental Conference of Washington Tradeshow sold out last year. Register for your space today for the 2003 ECW Tradeshow and get first choice on the tradeshow floor. This premier regional event is the perfect opportunity to put your products and services in front of decision makers, product buyers, and regulated industry. You can't afford to miss this event! Call your NEBC staff today and pre-register your booth space, 503.227.6361.

### Early Exhibitors

AMEC, Inc.	NVL Laboratories, Inc.
Bio-Reaction Industries	Onyx Environmental Services
Bitterroot Restoration, Inc.	Pacific Northern Environmental Corp.
C3 Environmental Ltd	PSC
Department of Ecology	Riedel Environmental Systems
Economic & Engineering Services, Inc.	Severn Trent Laboratories, Inc.
Emerald Services, Inc.	Stormwater Management, Inc.
Envirocon, Inc.	Teris LLC
Foss Environmental Services	The RETEC Group, Inc.
Frontier Geoscience Inc.	Titus Industrial Group
Golder Associates, Inc.	Total Reclaim/EcoLights Northwest
Historical Research Associates, Inc.	Trinity Consultants
Integrated Marketing Systems	US Environmental Protection Agency Region 10 & ETV Program
Kennedy/Jenks Consultants, Inc.	Washington State Brownfields Redevelopment
Lane Powell Spears Lubersky LLP	Waste Management
Med-Tox Northwest	Wilder Construction Company
North Creek Analytical, Inc.	

Don't forget to invite your employees and clients to attend.

## **NEW EDITION! ENVIRONMENTAL CONSULTING & ENGINEERING: OVERVIEW OF MARKET AND COMPETITION 2002**

Based on results of Environmental Business International, Inc.'s (EBI) annual survey of environmental consulting and engineering firms, this update of the highly acclaimed EBI710 series is a 500+ page analysis of the consulting and engineering market featuring detailed market size and forecasted growth breakdowns by customer, media, service and geography. This briefing includes a listing of the top 200 consulting and engineering firms with revenues for 1992-2005. To learn more about the brief, please visit [www.ebiusa.com](http://www.ebiusa.com).

### **- MEMBER TO MEMBER -**

## **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. Once a set of issues or topics has been established we will be soliciting articles authored by members or references to information related to the list of topics. We will then share this information with members via the website and other vehicles. Guidelines for submission: Submissions should be limited to new and innovate science and/or technology that is relevant and timely to the environmental forum; The article should present information that has been previously published in either peer-reviewed or industry publication or presented at a conference; Articles one page or less will be published in the E-News; and Articles longer than one page should be submitted as an abstract with a hyperlink to the author's website for viewing of the full article (The author will reciprocate with a link to the NEBC website). Thank you to those who have submitted ideas. Please submit ideas to [cara@nebc.org](mailto:cara@nebc.org) or via fax at 503.222.5050.

## **ECOANALYSTS, INC. OPENS OFFICE IN PORTLAND, OREGON**

EcoAnalysts, Inc., an Idaho corporation, recently announced the opening of its fourth office on February 10, 2003 in Portland, Oregon. The firm specializes in aquatic biology and bioassessment using periphyton (algae), benthic invertebrates, and fish as indicators of water quality. During its eight years of operation EcoAnalysts, Inc. has become the nation's recognized leader in the laboratory processing of benthic invertebrates, having pioneered high quality assurance standards for taxonomic laboratories. Now numbering 35 employees, the firm has offices in Moscow ID, Bozeman MT, Woodland CA, and Portland OR. The Portland office will be focused on aquatic ecology issues using periphyton communities as indicators of stream/river productivity, water quality, and habitat quality. Services will include field sampling of periphyton and macroinvertebrates, laboratory processing of periphyton samples (taxonomy and algal biomass measures), data analysis, data interpretation, and report writing. Projects in hand include a fertilization study on the Kootenai River, as well as several smaller bioassessment related projects. Mr. Brian Bowder is an algal ecologist who will be overseeing the firm's Portland operations. Brian's graduate research involved analyzing the effects of timber harvesting on stream periphyton communities in streams of the North Coast Gene Conservation Area in northwest Oregon. Brian is currently putting the finishing touches on his Master's Degree in Environmental Science at Portland State University under the tutelage of Dr. Yangdong Pan, a nationally recognized algal ecologist. For more information please contact EcoAnalysts at 503-330-0879 or visit the firm's website at [www.ecoanalysts.com](http://www.ecoanalysts.com).

## NWETC ANNOUNCES MTCA SERIES IN MARCH

**Understanding the Amended Model Toxics Control Act (MTCA)** will be held March 18, 2003, 8:30 A.M. to 4 P.M. (1 Day) at the Mountaineers Conference Center, Tahoma Room, 300 Third Avenue West, Seattle, Washington. This workshop is intended to improve the ability of environmental professionals, Ecology staff, and members of the general public to understand the recent amendments to the Model Toxics Control Act (MTCA). The amended Act became effective August 15, 2001. This workshop will help participants understand the new MTCA rule, the associated Cleanup Standards, and how to establish soil cleanup levels for protection of groundwater. Participants will also learn the MTCA remedy selection process and public involvement requirements. Both instructors have a deep and thorough understanding of MTCA and will save time to answer any questions at the end of each topic.

**Establishing Groundwater, Surface Water, and Soil Cleanup Levels Under the Amended Model Toxics Control Act** will be held March 19, 2003, 8:30 A.M. to 4 P.M. (1 Day) at Mountaineers Conference Center, Olympus Room, 300 Third Avenue West, Seattle, Washington. This course provides attendees with an improved understanding of the procedures for determining cleanup levels under the amended Model Toxics Control Act (WAC 173-340). The course will cover procedures for establishing cleanup levels using Methods A, B, and C for groundwater, surface water, and soil. Attendees will have an opportunity to walk through the process of method selection and application with example data. The course will also include an in-depth look at Washington State Department of Ecology's three- and four-phase partitioning models and several demonstrations of their applications for establishing soil cleanup levels under Methods B and C (WAC 173-340-747). These models are powerful tools for determining soil concentrations that are protective of groundwater. The three-phase model applies to contaminant partitioning between the sorbed, dissolved, and vapor phases. The four-phase model includes the NAPL phase for application at sites with higher contaminant concentrations. The instructors will discuss the strengths and weaknesses of the models and outline their appropriate use at various example sites with single and multiple contaminants.

**MTCA Risk Assessment - Assessing Risk to Human Health and Conducting Terrestrial Ecological Evaluations Under the Amended Model Toxics Control Act** will be held March 20, 2003, 8:30 A.M. to 4:00 P.M. at Mountaineers Conference Center, Olympus Room, 300 Third Avenue W, Seattle, WA. This workshop provides attendees with practical methods for conducting human health and ecological risk assessments under the amended Model Toxics Control Act (MTCA - Chapter 173-340 WAC). The instructors will lead participants through an in-depth coverage of human health and ecological risk assessment methodology culminating with hands-on exercises to give people an opportunity to apply their new knowledge. Both instructors have a wealth of experience conducting risk assessments and terrestrial ecological evaluations under the amended MTCA.

### Other Workshops

**Applied Hydrogeologic Site Characterization for Environmental Professionals Workshop (GHYD-401)** will be held March 25 - 26, 2003, 8:30 A.M. to 5 P.M. (2 Days) at OXARC Training Center, 4003 E. Broadway, Spokane, Washington. This two-day workshop is intended for environmental professionals seeking an improved understanding of hydrogeologic site characterization. The instructors will provide essential concepts for assessing groundwater flow, designing monitoring wells, and investigating groundwater contamination. The course will be interlaced with real-world examples and hands-on exercises. In-class exercises will include calculating hydraulic gradient, flow direction, flow volume, and flow velocity; water table contouring; designing monitoring wells; constructing geologic profiles from well logs; and investigating contaminated sites based on case study data. The curriculum is intended for environmental professionals who are not hydrogeologist, but require a practical understanding of environmental hydrogeology in their work.

For more information, please contact Erick McWayne, Executive Director, Northwest Environmental Training Center at 206.762.1976 or visit [www.nwetc.org](http://www.nwetc.org)

## EMPLOYMENT OPPORTUNITIES

**Fisheries Biologist:** Pentec Environmental, a division of Hart Crowser, Inc., is a growing environmental consulting firm. Our top-notch team of scientists includes fisheries biologists, wetland ecologists, and geomorphologists. We are currently seeking a senior level Fisheries/Aquatic Biologist. Desired qualifications include an MS or PhD, with 10+ years of consulting exp. Thorough knowledge of the Endangered Species Act and Washington State species, issues and regulations, as well as demonstrated capabilities in writing, project management, and business development are required. Experience should include estuarine or freshwater life history of salmonids, fish habitat assessment and project permitting; habitat restoration, aquatic toxicology, and watershed analysis are desirable. Strong communication skills with a proven ability to lead project teams and to mentor staff is a must. We offer a competitive benefits package and a dynamic work environment. Candidates are encouraged to forward their confidential resume to: Staffing, 1910 Fairview Ave. E, Seattle, WA 98102, or [staffing@hartcrowser.com](mailto:staffing@hartcrowser.com)

HART CROWSER, INC. - PENTEC ENVIRONMENTAL  
Affirmative Action/Equal Opportunity Employers

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**Environmental Engineer:** GeoEngineers has an immediate opening for an environmental engineer with significant soil and groundwater remediation experience. This position will require a self-motivated engineer, with a passion for innovation. Qualified candidates should be able to demonstrate their ability to design, permit, and oversee the construction of most common remediation systems (air-sparging, soil vapor extraction, and pump and treat), prepare remedial excavation plans, and prepare procurement specifications. A strong understanding of Oregon and Federal cleanup rules and guidance for environmental investigation and feasibility study is required. The engineer will provide senior engineering support for new and existing remediation projects, manage multiple environmental investigation and remediation projects, and assist with business development. Candidate will also assume a mentoring role for at least one Engineer-In-Training (EIT), and possibly additional staff members. **PREFERRED QUALIFICATIONS:** Strong communication, project management and demonstrated business development skills. The ideal candidate will have the ability to work closely with other professionals in a team-building environment. **PREFERRED EDUCATION:** Bachelors Degree in Environmental Engineering, M.S. preferred, Licensed P.E. with 8 to 15 years of experience. Submit resumes to GeoEngineers, Inc. 7504 SW Bridgeport Road Rd., Portland, Oregon 97224.

## FIELD AND LABORATORY EQUIPMENT FOR SALE

**Corvallis Microtechnology, Inc. (CMT) High-precision GPS receiver system.** Model HP-GPS-4LB with USCG beacon receiver. Mounted in a framed backpack (holds the two receivers, batteries and antenna) with separate hand-held field computer for data entry and control. Real-time differential correction provides horizontal accuracy of +/- 30 centimeters. With sufficient data collected at a single point horizontal accuracy can be +/- 2 centimeters. Vertical accuracy +/- 75 centimeters. Desktop software (Microsoft OS only; latest version, 3.7) and field software (version 3.8) for mission planning, post-processing differential correction and export to GIS and other spatial analyses programs. With four battery chargers. All in excellent, clean condition. \$7,500.00

**Accu-Scope Professional Widefield Professional Stereo Microscope** (Model 3067). Zoom magnification between 7.5x-35x. Built in light sources: fluorescent from beneath the stage (transmitted light), halogen above the stage (reflected light). Very easy on the eyes for long periods of time; highest-quality optics. Like-new condition. \$650.00

**Slide-hammer corer (for sediment sampling). Aquatic Research Instruments.** Includes additional core tubes. <http://www.aquaticresearch.com/> UNUSED. Designed specifically for contamination studies. \$590.00 with plastic carrying case.

**Petite Ponar dredge for hard river/lake sediments (sands, gravels, cobbles).** Made by Wilco. 15 cm x 15 cm opening; 24 pounds; stainless steel; with safety latch to prevent accidental closure. Very little use. \$575.00 with plastic carrying case.

**Hanna model HI 93703 Microprocessor Field Turbidity meter kit.** Includes 4 curvettes, glass wipes and reference solutions. \$550.00

**Alpha horizontal water sampling bottle, 2.2 litre capacity.** Acrylic body for contaminant-free sampling; with brass messenger to trip sampler at the proper depth. \$300.00

To view and purchase any of the above equipment, please contact Rich Shepard, Applied Ecosystem Services, Inc., by telephone (503-667-4517), fax (503-667-8863) or e-mail [rshepard@appl-ecosys.com](mailto:rshepard@appl-ecosys.com). All field and laboratory equipment for sale is exceptionally clean, virtually new condition. Call Rich for a complete list of equipment for sale.

"The Controversies and Contentions with the  
 Revised Industrial Stormwater Permit"

Speakers: Invited

The Revised Industrial Stormwater General Permit became effective on September 20, 2002, imposing a number of new sampling and reporting requirements on the regulated community. While industrial and municipal permit holders contend that the new requirements present a number of compliance challenges, environmental citizen groups charge that the revised permit does not go far enough to meet the conditions imposed by the federal Clean Water Act, the state Water Pollution Control law, and promulgated regulations. These contentions were raised in appeals filed by the various parties to the Pollution Control Hearings Board (PCHB). In June, the PCHB will hear argument from the appellants and from the state Attorney General's Office defending the revised permit. On April 2nd, you can hear the positions, impacts, and expectations from each of the represented parties to this appeal.

Wednesday, April 2, 2003  
 11:30 AM - 1:00 PM

McCormick & Schmick's Harborside on Lake Union  
 1200 Westlake Avenue North  
 Seattle, WA

\$30.00 each for NEBC Members & Guests  
 \$45.00 each for Non-NEBC Members

**Menu Selections**

Meat Entrée: Breast of Chicken in Marsala Cream with Local Wild Mushrooms  
 Veggie Entrée: Roasted Vegetable Canneloni with Ricotta Cheese

*Pre-registration Recommended, timely meal not guaranteed without reservation. Walk-ins will be charged a \$5.00 service fee. Cancellations accepted until 12:00 PM, March 28, after which no-shows will be charged.*

For more information contact NEBC at (888) 609-NEBC or visit our website at [www.nebc.org](http://www.nebc.org). To attend, fax completed form with payment to (503) 222-5050 - OR - checks can be mailed with this form to: NEBC, PO Box 672, Portland, OR 97207.

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Attendees (please circle entrée selection, see menu above):

\_\_\_\_\_ Entrée Selection: Meat / Veggie  
 \_\_\_\_\_ Entrée Selection: Meat / Veggie  
 \_\_\_\_\_ Entrée Selection: Meat / Veggie

Payment Type: Check Visa MasterCard Total: \$ \_\_\_\_\_

Card #: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Exp. Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Signature: \_\_\_\_\_

Please Note: Because NEBC is a 501 C (6), contributions to the organization are not deductible as charitable contributions.

**Special Thanks to our  
 Event Sponsors!**

  
 Proven Stormwater Products

  
 North Creek Analytical, Inc.  
 Environmental Laboratory Network



## Hazardous Materials Training Seminar

Offered in conjunction with the Environmental Conference of Washington

Washington State Convention & Trade Center

Seattle, WA

June 10, 2003

8:00 AM – 5:00 PM

HAZWOPER First Responder Operations Level / Refresher 8 Hour

HAZWOPER First Responder Operations Level / Refresher 8 Hour

Complies with OSHA 29 CFR 1910.120 for responders to releases or potential releases of hazardous substance when part of the initial response to the site for the purpose of protecting nearby persons, property or the environment.

### Program Highlights

- Hazardous Awareness
- Toxic Substance
- Personal Protective Equipment
- Respiratory Protection
- Air Monitoring Equipment
- Survey and Reconnaissance
- Site Control Work Zones
- Confinement and Containment
- Decontamination
- Practical Exercise

### Instructor

Romic Environmental Technologies Corp.  
14434 SE Industrial Way, Bldg. C  
Clackamas, OR 97015  
503.785.0404



Online registration will be available soon at [www.ecwashington.org](http://www.ecwashington.org).

For more information on class content, please contact Mindy Rath at 503.785.0404. For more information on registration, please contact Cara Bergeson at 503.227.6361 or by email at [cara@nebc.org](mailto:cara@nebc.org).

\*Classes subject to cancellation due to low enrollment

**- NEBC 2003 EVENT CALENDAR -**

<b>March</b>			
5	Olympic Chapter Committee Meeting	9:30 AM – 11:30 PM	AGC of Washington – Seattle, WA
5	Olympic Chapter Luncheon – Topic: TBD	11:30 AM – 1:00 PM	Harborside Seafood Restaurant – Seattle, WA
TBD	Olympic Chapter Day on the Hill	TBD	TBD – Olympia, WA
<b>April</b>			
2	Olympic Chapter Luncheon – Topic: Controversies & Contentions with the Revised Industrial Stormwater Permit	11:30 AM – 1:00 PM	Harborside Seafood Restaurant – Seattle, WA
15	Cascade Chapter Blazer Night	5:30 -	Rose Quarter – Portland, OR
15	Board of Directors Meeting	TBD	TBD – Portland, OR
<b>May</b>			
7	Olympic Chapter Committee Meeting	9:30 AM – 11:30 PM	AGC of Washington – Seattle, WA
7	Olympic Chapter Luncheon – Topic: TBD	11:30 AM – 1:00 PM	Harborside Seafood Restaurant – Seattle, WA
9	Olympic Chapter Mariners Night	TBD	Safeco Field – Seattle, WA
22	Cascade Chapter Committee Meeting	9:30 AM – 11:30 PM	5 <sup>th</sup> Avenue Suites – Portland, OR
22	Cascade Chapter Luncheon	11:30 AM – 1:00 PM	5 <sup>th</sup> Avenue Suites – Portland, OR
<b>June</b>			
10	Hazwoper Training	8:00 AM – 5:00 PM	Washington State Convention & Trade Center – Seattle, WA
11 – 12	Environmental Conference of Washington	All Day	Washington State Convention & Trade Center – Seattle, WA
11	Board of Directors Meeting	TBD	Washington State Convention & Trade Center – Seattle, WA
<b>July</b>			
17	Olympic Chapter Committee Meeting	9:30 AM – 11:30 PM	AGC of Washington – Seattle, WA
17	Olympic Chapter Rooftop Mixer	TBD	Hart Crowser – Seattle, WA
31	Cascade Chapter Golf Tournament	7:30 Shot Gun Start	Langdon Farms – Aurora, OR
<b>September</b>			
3	Olympic Chapter Committee Meeting	9:30 AM – 11:30 PM	AGC of Washington – Seattle, WA
3	Olympic Chapter Luncheon – Topic: TBD	11:30 AM – 1:00 PM	Harborside Seafood Restaurant – Seattle, WA
10	Cascade Chapter Summer Mixer	TBD	TBD – Portland, OR
25	Board of Directors Meeting	TBD	TBD
26	Olympic Chapter Golf Tournament	7:30 Shot Gun Start	Harbour Point – Mukilteo, WA
TBD	Cascade Chapter Committee Meeting	11:30 AM – 1:00 PM	TBD – Portland, OR
<b>October</b>			
1	Olympic Chapter Luncheon – Topic: TBD	11:30 AM – 1:00 PM	Harborside Seafood Restaurant – Seattle, WA
TBD	Cascade Chapter Luncheon – Topic: TBD	11:30 AM – 1:00 PM	5 <sup>th</sup> Avenue Suites – Portland, OR
<b>November</b>			
5	Olympic Chapter Committee Meeting	9:30 AM – 11:30 PM	AGC of Washington – Seattle, WA
5	Olympic Chapter Luncheon – Topic: TBD	11:30 AM – 1:00 PM	Harborside Seafood Restaurant – Seattle, WA
17	Hazwoper Training	8:00 AM – 5:00 PM	DoubleTree Jantzen Beach – Portland, OR
18	Board of Directors Meeting	TBD	DoubleTree Jantzen Beach – Portland, OR
18 – 19	Northwest Environmental Conference	All Day	DoubleTree Jantzen Beach – Portland, OR
TBD	Cascade Chapter Committee Meeting	11:30 AM – 1:00 PM	TBD – Portland, OR

\*Event dates and topics are subject to change

**- NEBC CONTACT INFORMATION -**

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

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