



Tacoma/Olympia Section Civil Engineer THE NEWSLETTER

November 2009

Point Ruston Development—A Unique Neighborhood Rises From Superfund Site

The Asarco smelter site and areas near Commencement Bay surrounding it were initially designated as a Superfund site in 1983. After 10 years of study, Asarco began remediation in 1993 and had made substantial progress until their bankruptcy in 2005. MC Construction acquired the former smelter site in 2006 and has resumed capping efforts, while EPA continues remediation of surrounding areas.

Point Ruston, LLC is building a mixed-use development at the former smelter site, which will include up to 1000 residential units, 125,000 square feet of commercial space, and 10 acres of public open space along a shoreline promenade. Given the selected remedy and capping requirements for the site, this presents a unique set of engineering challenges to ensure public and marine health and safety.

This presentation will provide an overview of the site, selected remedial actions, and current status of the project. Emphasis will be given to engineering design concepts, such as materials used to construct the cap, handling of storm water runoff, and ongoing maintenance and monitoring. ●

POINT RUSTON FACTS

November 2009

Mixed Use Development

- 800–1000 condos, town homes and apartments
- 60–80,000 sq. ft. retail space and 100–125,000 sq. ft. office/commercial space
- 175 room full-service waterfront Silver Cloud Hotel
- Over 60% of site in open space, parks and promenade

Special Property—Special Plans

Almost a mile of shoreline promenade (about 10 acres)

Restaurants shopping entertainment on-site/close-by

Focus on environmental stewardship and sustainable development practices

Timeline (subject to change)

1981: Property on EPA Interim Priority List

1996: EPA–Asarco Consent Decree

2006: Point Ruston purchases property in bankruptcy proceedings; Second Amendment to 1996 Consent Decree

2009-2010: Ruston Way/
Utilities Construction

Point Ruston Team Contacts

Mike Cohen, Managing Partner,
360-280-5050

Loren Cohen, Manager,
Legal Affairs, 253-752-2185 x236

Gary Pedersen, Chief Operations
Officer, 253-617-8544

Eric Pilcher, Development Project
Engineer, 253-752-2185 x240

Steve Yester, Project Administrator
253-752-2185 x209

J.J. McCament, Consultant
253-219-7962

www.pointruston.com

Lunch Meeting

Tuesday, Nov. 10th

St. Martin's University
5300 Pacific Ave SE
Lacey, WA 98503

Interstate 5 northbound take exit 108.
Interstate 5 southbound take exit 109.

From College Street, enter the campus from either 6th Avenue or follow College Street to Lacey Blvd., turn left, then left again at Franz St. to the entrance at Pacific Ave. and Father Meinrad Gaul Drive. From either entrance, follow signs to the desired campus location.

Social: 11:30am
Lunch: noon
Program: 12:30pm

Cost: \$25 per person
students half/price. Cash or
checks payable to ASCE are
accepted.

RSVP: by Friday, Nov. 6th.
Contact Kay Hoke at
253.591.5760 or email:
khoke@ci.tacoma.wa.us

From the Board

Volunteerism

Civil Engineering is more than a job. For many of us, it's a calling. There isn't one of us out there that couldn't have been an accountant, a programmer, a sales rep, or a lawyer if we had wanted to. But, if you're like me, you have a drive to do more than to just punch a clock and collect a paycheck. You have a desire to make a difference; to leave your community a better place than you found it, and to put your mark on the world. That's what brought a lot of us to this profession and that's what we do every day.

"A Better World by Design" isn't just a motto, it's a commitment. And, it's a commitment we take seriously no matter what we do. We're committed to not only doing the best job we can, but to make sure we continue to do the best we can. To this end, we work closely with colleagues and even competitors to expand our technical knowledge. We share our successes and failures so that others can learn from our mistakes and avoid them in the future. And, we develop a network of colleagues and mentors who can help us along the way.

The American Society of Civil Engineers helps each of us fulfill that commitment. Through technical resources and continuing education programs organized and provided by ASCE we make sure we are still working on the cutting edge. Through ASCE's monthly meetings we have the opportunity to share with one another and catch up on the state of the industry. Through ASCE sponsored events we have the opportunity to make connections with other engineers.

These meetings and other resources are invaluable tools that we use to fulfill our commitment to society and to improve our skills. But, these things don't organize themselves.

There are many people working behind the scenes to make it all happen. These people are volunteers who have given their time and effort to make sure we all have resources we need to do the best job we can. These volunteers understand that just as our profession has the responsibility to build and improve the world we live in, we too have the responsibility to build and improve our profession.

By volunteering with ASCE you too can help the profession grow and help all of us fulfill our commitment. ASCE is always looking for new and motivated volunteers to help organize meetings or events and to provide their wisdom and experience.

Want to meet people and make contacts? Volunteer as a board member!

Want to share an interesting project? Volunteer to give a presentation!

Want to promote the profession? Volunteer as a mentor or with public outreach!

Many of you are volunteering to help the profession right now without even knowing it. Are you mentoring a younger staff engineer? Are you publishing papers? Are you giving presentations about new techniques or interesting case studies? All this helps our profession grow!

Why not take it to the next level?

By volunteering with ASCE you are doing more than helping your community. You're helping advance an entire profession that has improved the quality of life for billions of people across the globe.

To find out how you can volunteer, just ask any of our board members.

Fact of the month:

2010 will be the 80th Anniversary of the Tacoma–Olympia Section.

2009–2010 Tacoma–Olympia Section Board

President, Bruce McDonald, P.E.
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vacant
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Opportunities Opportunities Opportunities

op·por·tu·ni·ty

1 : a favorable juncture of circumstances

2 : a good chance for advancement or progress

News Items from asce.org

Webinars Are In Demand

In response to increasing demand, ASCE will hold more than 200 webinars this year, and more than 48,000 individuals are expected to participate. Webinars typically run 60 to 90 minutes and are designed to be practice oriented and to address topics of current interest. Participants pay a single site registration fee that permits an unlimited number of engineers to attend at that site. Participants view the instructor's PowerPoint slides while he or she is lecturing. They can also interact with the instructor and other participants and can receive immediate answers to their questions.

For information on ASCE's webinars and online courses, visit <http://www.asce.org/conted>

ASCE Continuing Education

ASCE has been committed to providing top quality continuing education for civil engineers and related professionals for over three decades. The Society holds more than 300 seminars and computer workshops each year on a wide variety of technical, management, and regulatory topics.

These seminars are held in more than 45 cities across the U.S. In addition, ASCE offers customized on-site training and many distance learning programs, including online courses, and courses on DVD and CD.

In order to help our members meet their Continuing Education Licensing Requirements, ASCE is offering Special Discounts on Online Distance Learning Courses! Order today - Sale ends December 31st, 2009. Enter Promotional Code ASCE33 at checkout to receive your discount.

Go to www.asce.org/onlinecourses for a list of courses on sale and save 33%.

*Discount cannot be combined with any other offer, or used on P.E./F.E.

Exam Review Courses*

Special Featured Items

Looking for ways to stay current in the ever-changing Civil Engineering profession? See our Special Featured Items section!

ASCE offers Continuing Education Units (convertible to PDHs) to assist ASCE members and other civil engineers in meeting state registration board requirements for P.E. license renewal. ASCE has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102. In obtaining this approval, ASCE has demonstrated that it complies with the ANSI/IACET Standards which are widely recognized as standards of good practice internationally. As a result of its Authorized Provider membership status, ASCE is authorized to offer CEUs for its programs that qualify under the ANSI/IACET Standards. See our website for information on licensing requirements in your state.

For additional information on ASCE Continuing Education, visit the website.

SmartBrief

Sign up for a daily briefing designed for civil engineers, FREE. See ASCE SmartBrief. It delivers civil engineering news that really matters. Our editors handpick key articles from hundreds of publications, do a brief summary of each and provide links back to the original sources. In other words, we do all the research...and you get the news you need, without the fluff. Go to: asce@smartbrief.com

ASCE Continuing Ed

The following in-depth, practice-oriented programs are produced by ASCE's Continuing Education Department and will be held within ASCE Region 8: 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)

Questions? Contact: Kelly Jarvis, Continuing Education Registrar at kjarvis@asce.org or **Michael Cook** at mcook@asce.org.

November 19-20, 2009, Scottsdale, AZ
Design and Strengthening of Shallow Foundations for Conventional and Pre-Engineered Buildings (Structural)

December 3-4, 2009, Portland, OR
Pumping Systems Design for Civil Engineers (Hydraulics)

December 10-11, 2009, Las Vegas, NV
Finite Elements in Geotechnical Engineering (Geotechnical)

December 10-11, 2009, Portland, OR
Leadership Development for the Engineer - Newly Updated! (Management)

January 4-5, 2010, Las Vegas, NV
Upgrading Treatment Plants and Pumping Stations - Newly Updated! (Hydraulics)

January 6-8, 2010, Las Vegas, NV
Pumping Systems Design for Civil Engineers (Hydraulics)

January 21-22, 2010, Las Vegas, NV
Bridge Rehabilitation (Structural)

January 28-29, 2010, Scottsdale, AZ
Design of Waste Containment Liner and Final Closure Systems (Geotechnical)

February 3-5, 2010, Phoenix, AZ
Structural Design of Buildings and Industrial Facilities for Blast Loads and Accidental Chemical Explosions (Structural)

February 4-5, 2010, Portland, OR
Low Impact Development Applications for Water Resource Management (Hydraulics/Environmental)

February 4-5, 2010, Las Vegas, NV
Ownership Transition Planning, Company Valuations and Strategic Planning - Newly Updated! (Management)

February 11-12, 2010, Seattle, WA
Slope Stability Probabilistic Analysis and Instrumentation (Geotechnical)

February 18-19, 2010, Salt Lake City, UT
Structural Condition Assessment of Existing Structures (Structural)

February 24-26, 2010, Phoenix, AZ
Techniques for Pavement Rehabilitation (Transportation)

February 25-26, 2010, Portland, OR
Bridge Rehabilitation (Structural)

March 17-19, 2010, Phoenix, AZ
Design of Foundations for Dynamic Loads (Structural)

March 18-19, 2010, Las Vegas, NV
Water Hammer in Transmission and Distribution Systems (Hydraulics)

March 25-26, 2010, Phoenix, AZ
Design and Installation of Buried Pipes (Geotechnical)

March 25-26, 2010, Las Vegas, NV
Leadership Development for the Engineer - Newly Updated! (Management) ●

SECTION CALENDAR and ENGINEERING RESOURCES



Section Calendar

Tacoma/Olympia
ASCE Section
Meetings/Activities

Meetings are **generally** held the second Tuesday of each month*. This is a tentative meeting schedule. Please call any board member if you have questions.

Wednesday, December 9, 2009 - Joint dinner meeting with ASCE Seattle section in Tukwila

*DATE/TIMES/LOCATIONS TO BE ANNOUNCED/VERIFIED

Tacoma/Olympia ASCE Board Meetings:

Local Board Meetings are open and generally held the first Monday of the month at 5:30pm. Locations vary. Please check the WEB site, this calendar, or contact the president for confirmation.

Younger Member Forum Activities And Update

Younger Member Newsletter
www.asce.org/inside/cym_pubs.cfm

For more information on Upcoming Events & Activities for Younger Member programs, contact: Brook Maples at brookm@gmail.com

TRANSPEED Courses

For a complete list of courses, visit the website at <http://www.engr.washington.edu/epp/Transpeed/index.html> for specific course descriptions and dates. Click on the specific course link to view the course outline.

or contact:

Julie Smith
Engineering Professional Programs
Phone: 206-543-5539
Toll-Free: 1-866-791-1275

2009 Professional Development Short Courses

For a complete description of the course and registration information visit our website

<http://www.engr.washington.edu> or call us at: Engineering Professional Programs, University of Washington, phone: 206.543.5539
(fax) 206.543.2352 or
(toll free) 1.866.791.1275

Stephanie Strom, Program Mgr:
ssstrom@u.washington.edu

“Engineers Make the *Difference*...
They Provide the *Quality* of Life!”



Tacoma/Olympia Section Board 2009 - 2010

<http://sections.asce.org/tacoly/html/board.htm>

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WEBmaster.



We're on the Web at

<http://sections.asce.org>

<http://www.asce.org/>