



The mission of the Oregon State Board of Examiners for Engineering and Land Surveying (OSBEELS) is to regulate the practice of engineering, land surveying, photogrammetric mapping, and water right certification in the state as they relate to the welfare of the public in safeguarding life, health and property.

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Symposium helps registrants earn PDHs

The Oregon State Board of Examiners for Engineering and Land Surveying (OSBEELS) recently hosted its second annual Symposium at the Salem Conference Center in Salem. More than 100 registrants attended the day-long conference which featured speakers in topics relating to engineering, land surveying, photogrammetry and OSBEELS-related subjects. Full-day attendance earned registrants 8 Professional Development Hours (PDH), which is nearly one-third of the hours needed for each biennial renewal cycle.

“Over the past few years it has become increasingly important for registrants to stay abreast of changes in technology and the processes used in our profession,” explained Dan Linscheid, OSBEELS president. “In 2011, OSBEELS decided to offer a new venue for our registrants to keep up-to-date with these changes.

A registrant’s primary obligation

should always be to safeguard the safety, health, property and welfare of the public. Gaining professional development hours is one way to meet that goal.”

Experts from across the state covered topics such as right of entry laws, using GIS software for surveying applications, infrastructure, OSBEELS law enforcement, double monumentation and laser scanning. Speakers were from a variety of public and private organizations including the City of Portland’s Bureau of Environmental Services, the National Oceanic and Atmospheric Administration and Oregon Institute of Technology.

One of the most popular courses of the day was one entitled “Resilient State for M9.0 CSZ Earthquake – Oregon’s 50-Year Plan.” It discussed what the state needs to do, from an engineering standpoint, to be better prepared for the large quake predicted to hit

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Oregon. The speakers were Dr. Kent Yu, who is the chair of the Oregon Seismic Safety Policy Advisory Commission and the principle and branch manager of Degenkolb's Portland office, and Dr. Althea Rizzo, who is the Geologic Hazards Program Coordinator at Oregon Emergency Management. The pair highlighted the importance of seismic preparations, including retrofitting, safety procedures, and resiliency plans, in a region where large earthquakes occur on an approximate 300-year cycle.

One attendee said "the discussion was sobering, even for myself who actively designs for code level seismic (events)."

Prominent speaker Dennis Mouland, PLS (AZ, NM, CO), was on-hand to discuss the issues of double monumentation and acceptance or rejection of corner evidence. Mouland's experience is split between the private sector, including his own surveying firms, and federal government employment. His seminars have reached more than 75,000 professionals to date.

Mouland, who has been surveying since 1972, explained that double monumentation should be avoided, unless you are absolutely positive the monument is not legally acceptable. He advised land surveyors to look at

multiple documents, measurements and to weigh all evidence prior to double monumenting.

The day's keynote speaker was Gene Dinkins, the president for the National Council of Examiners for Engineering and Surveying (NCEES), who discussed the Deepwater Horizon Disaster and the new Industrial Exemptions Task Force.

In April 2010, an oil rig explosion led to nearly five million barrels of oil spilling into the Gulf of Mexico. There were 11 people killed as a result of the explosion and 17 were injured. In addition to the severe environmental damage, many businesses on the Gulf Coast, which depended on the ocean, were devastated, Dinkins explained.

Following the Deepwater Horizon disaster, the Department of the Interior introduced a number of required safety measures for oil rig operations. One significant change was the requirement to have a registered professional engineer certify all well casing designs and cementing procedures and to ensure designs are appropriate for each project.

Dinkins explained that this requirement supports the mission of all engineering and land surveying

boards. "This is at the heart of what NCEES is about – advancing engineering and surveying licensure for the protection of the public's health, safety and welfare," he said.

The Deepwater Horizon disaster also pushed Dinkins to appoint individuals to the Industrial Exemptions Task Force. Industrial exemptions apply to the performance of engineering work by a person, or by full-time employees of the person, provided: (a) The work is in connection with or incidental to the operations of the person; and (b) The engineering work is not offered directly to the public.

Industrial exemption policies have been an area of focus for NCEES and its member boards for a number of years. The new task force will collect data from every state regarding industrial exemptions which will allow NCEES and member boards to make an informed decision about whether or not to continue offering industrial exemptions.

"There is no guarantee that disasters such as the Deepwater Horizon one will not happen in the future if the industrial exemption is eliminated," Dinkins said. "However, the Gulf oil spill does remind us that it is important to remember the vital role

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CPD requirements coming for CWREs

Professional Engineers, Professional Land Surveyors, and Registered Geologists who hold Certified Water Right Examiner (CWRE) certification will soon be required to fulfill Continuing Professional Development (CPD) requirements pertaining specifically to water right examination.

Proposed changes to Oregon Administrative Rule (OAR) 820-050-0010 will enable engineers and land surveyors who hold certification as CWREs to use water right-related CPD courses as 10 of their required 30 biennial PDHs. Registered Geologists, who aren't currently required to complete PDHs, will be required by rule to submit proof of 10 PDH units in subjects relating to water right examination to the Oregon State Board of Examiners for Engineering and Land Surveying (OSBEELS) in order to renew their water right examiner certification. Acceptable courses and study would include: water right applications and claims of beneficial use, Water Resources Department programs, water law, or other subjects related to the work of a Water Right Examiner.

OSBEELS was given regulatory authority over the professional

conduct of CWREs with the passing of Senate Bill 126 in June 2011.

The bill went into effect in January 2012 and gave OSBEELS the authority to revoke, suspend, or modify the certificates issued to CWREs.

The oversight of water right examination certification involves a number of state organizations. The Water Resources Commission (WRC) sets the criteria for certification of CWREs, the Water Resources Department (WRD) prepares, administers and scores the water right certification examination, and OSBEELS certifies and regulates the practices of water right examination. This regulation includes overseeing professional conduct, including fulfilling professional development and continuing education requirements, which keep registrants current on changes in the field and helps ensure the safety of Oregonians and their properties.

With these regulatory authorities, SB 126 authorizes OSBEELS to investigate alleged or suspected violations of CWRE rules and statutes. OSBEELS can suspend, revoke, or modify the certificate of a CWRE, even if they are a Registered Geologist, in the case of:

- [Violation by a water right examiner of Oregon Revised Statute \(ORS\) 672.002 to 672.325](#)
- [Violation of the criteria established under ORS 537.797](#)
- [Violation of commission rules or a Board rule adopted under ORS 672.255](#)
- [Violation of professional conduct adopted under the authority of ORS 537.798\(3\)](#)

January 2015 would be the first scheduled audit cycle which will require the 10 CWRE PDH units. These audits will reflect the 2013-2014 renewal cycles, which means the PDH units will need to be obtained starting in 2013 and supporting documentation will be required.

OSBEELS will hold a Rulemaking Hearing on March 12, 2013 at 1:30 p.m. in the conference room of the OSBEELS office at 670 Hawthorne Avenue SE, Suite 220, Salem. The public is welcome to attend this hearing and share their opinions on the proposed language to adopt OAR 820-050-0010. 

Oregon's Infrastructure Report Card

The American Society for Civil Engineers (ASCE) recently commissioned an analysis of the crucial infrastructure components for America overall and all 50 states individually. States were graded on a standard A-F scale, based on analysis of data collected in 15 areas which included aviation, bridges and roads, dams and levees, drinking and wastewater systems, schools, and transit systems. America's overall grade was a D; Oregon's grade was a C-.

Some of Oregon's significant ratings can be found in the information box on the right.

What happens now that we know the score? Should we rebuild, restructure or repair? Christian Steinbrecher, PE, who headed the team on Oregon's report, said these decisions should be based on the concept of what kind of Oregon we want to leave behind for generations ahead. Instead of simply updating aging infrastructure, Steinbrecher believes a review of current needs and planning for future needs should direct the renewal process.

The ASCE provided state-specific instructions for Oregon to help move our infrastructure to the top. These recommendations include:

- Create efficient infrastructure corridors
- Increase multimodality
- Promote sustainability
- Increase delivery efficiency
- Reduce per capita use of infrastructure
- Evaluate low-cost remodeling versus high-cost replacements
- Deal with the natural hazards (i.e.: earthquakes) vulnerability

Report Card

Information from www.infrastructurereportcard.org

States were rated on 15 categories.

Four of those were:

Aviation

Oregon has 96 airports and many of these have deficiencies pertaining to runway length, visual approach, approach type, or taxiway lighting.

D

Bridges and Roads

Oregon has 74,500 miles of roads and 7,212 bridges. Many of those bridges will be at least 25 years old by 2018, which is outside the limits they were originally designed for.

C-

Dams and Levees

There are 122 high hazard dams in Oregon. A high hazard dam is defined as a dam whose failure would cause a loss of life and significant property damage. Eight of Oregon's 1,204 dams are in need of rehabilitation to meet applicable state dam safety standards.

C

Energy

Energy generation and delivery systems are aging. Pipelines are nearly 70 years old. Dams are also approaching that age threshold. Oregon has a number of conflicts when it comes to adjusting their energy plans including environmental concerns such as fish and wind power, and shared energy programs with other states.

C

In addition to increasing the visibility of the problems with Oregon's infrastructure, this report was a starting point for necessary conversations about fixing Oregon's infrastructure. This conversation is crucial, Steinbrecher said, because the public and all of Oregon's communities need to be aware of the infrastructure issues because the money for repairs, renovations and rebuilds will mostly come from their pockets.

"We need to start the conversation about funding," Steinbrecher said. "The technical conversation is among experts, but funding falls on all of

our shoulders."

He said that getting community support for higher taxes is a hard sell, but the engineers of Oregon can help with the effort.

"Engineers are uniquely positioned in society," Steinbrecher explained. "They're seen as experts, they're seen as very credible and engineering is seen as a very objective profession." By engineers making themselves familiar with the state's Infrastructure Report Card, they can be the catalyst for grassroots support efforts which could lead to acceptance of

increased taxes in exchange for infrastructure improvements.

Steinbrecher encourages all engineers to get the word out in their communities about the issues with Oregon's infrastructure and to be prepared with potential solutions.

"We have the expertise to do this and we need to get the public involved in this conversation," he said.

For more information on the Infrastructure Report Card project or for more Oregon statistics, visit www.infrastructurereportcard.org.

New Senate Bills under review

The Oregon State Board of Examiners for Engineering and Land Surveying (OSBEELS) submitted two Legislative Concepts (LC) for review during the 2013 Legislative Session.

LC 388, now Senate Bill (SB) 208, addresses changes in four specific areas of OSBEELS operation.

The proposed concept exempts OSBEELS from Oregon Revised Statute (ORS) 670.010, which addresses applicants in their senior year of curriculum being granted a waiver to take the Fundamentals of Engineering (FE) or Fundamentals of Land Surveying (FLS) examination. Students are currently

required, under ORS 670.010, to provide proof of program completion within four months of the examination date. SB 208 proposes an extended time for filing proof of curriculum completion by senior-status applicants. The proposed concept also addresses vacating scores of waived examinees if the proof of completion is not provided.

The proposed concept would also allow OSBEELS to consider education as a relevant factor in lieu of a degree for licensure as a Professional Land Surveyor (PLS). It would also allow OSBEELS to administer computer-based examinations in addition to written

examinations and revises the position title of board secretary to administrator.

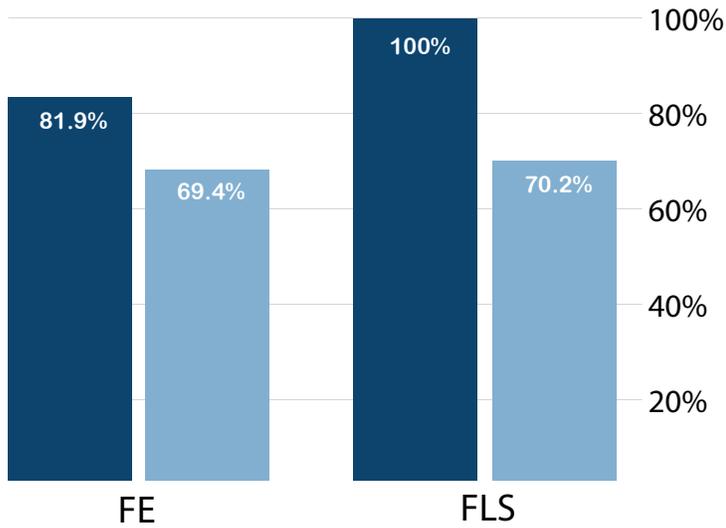
LC 734, now Senate Bill 209, proposes authorizing OSBEELS to refuse to issue, restore or renew, or to suspend or revoke a certificate or permit, or to reprimand any individual enrolled as an intern or who holds a certificate or permit issued by OSBEELS. A key area of clarification is that OSBEELS can suspend and revoke registrations and can enforce Final Orders when the respondent fails to pay civil penalties or fails to meet other terms of the Final Order. It also repeals ORS 672.205, as it is required under ORS Chapter 183.

Examination Statistics

October 2012 Fundamentals Exam

First Time Takers

■ Oregon % Passed
■ National % Passed



October 2012 Fundamentals Exam

Repeat Takers

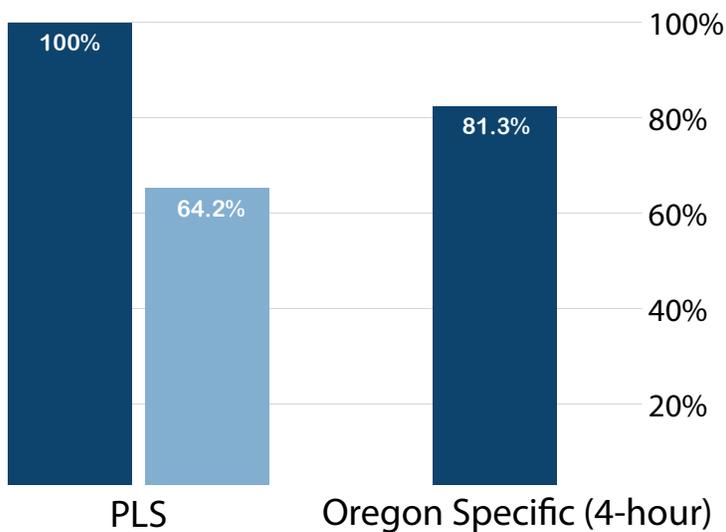
■ Oregon % Passed
■ National % Passed



October 2012 Professional Surveying Exam

First Time Takers

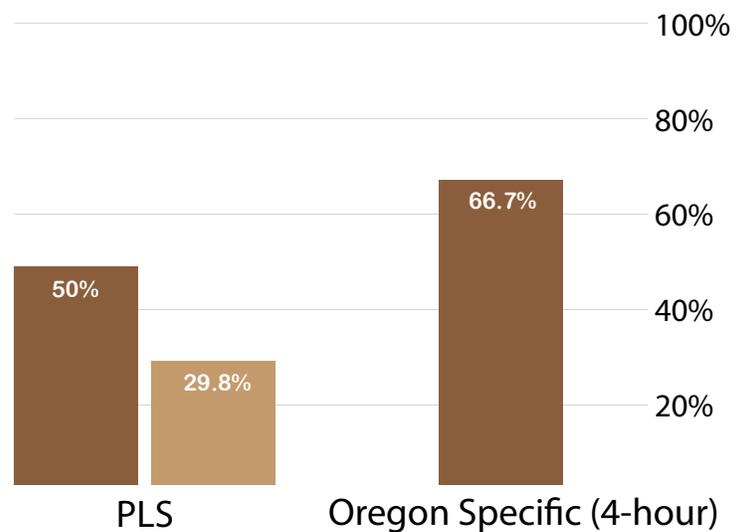
■ Oregon % Passed
■ National % Passed



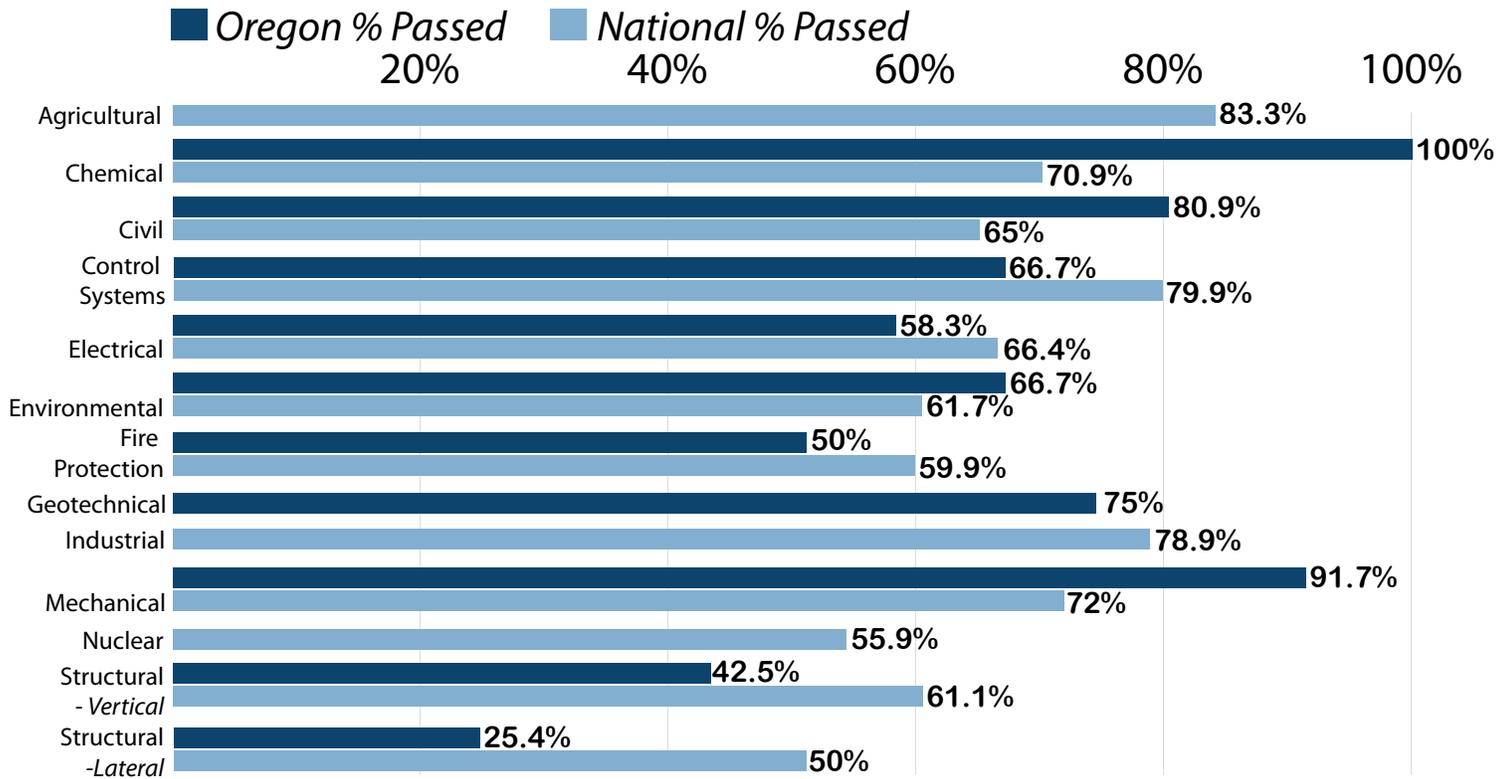
October 2012 Professional Surveying Exam

Repeat Takers

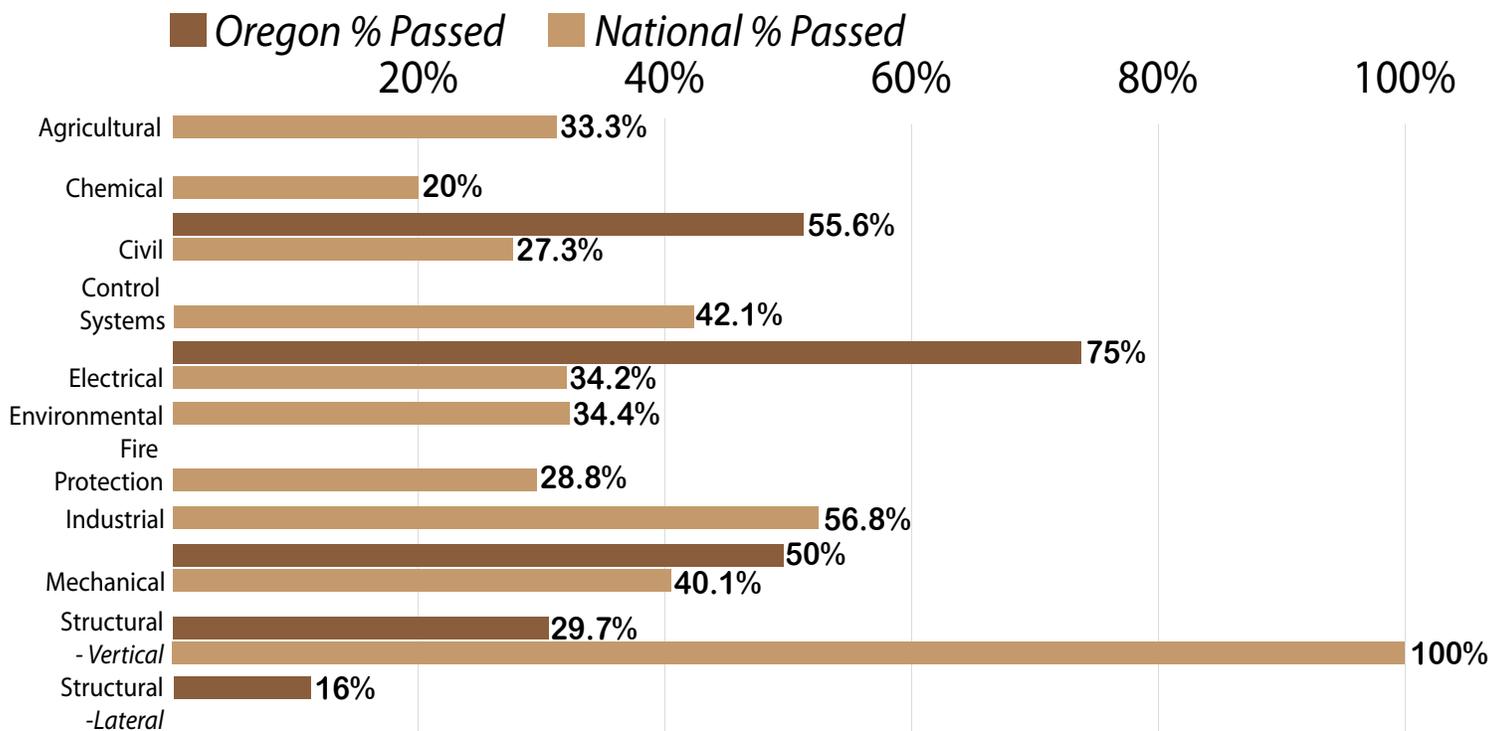
■ Oregon % Passed
■ National % Passed



October 2012 Professional Engineering Examination Statistics First Time Takers



October 2012 Professional Engineering Examination Statistics Repeat Takers



Importance of keeping CPD documentation in records

The July 2012 Continuing Professional Development (CPD) audits are underway at the Oregon State Board of Examiners for Engineering and Land Surveying (OSBEELS).

Of more than 13,000 registrants, 3 percent, or nearly 400 individuals, are audited by the Accounts Department semiannually. Those being audited are chosen at random and the CPD information included with their biennial renewal form will be reviewed. Accounts Specialists review the CPD Organizational Forms and supporting documents, including attendance rosters and completion certificates. Each course claimed for CPD hours must have corresponding proof of completion in order to count toward the 30 hours needed per renewal cycle.

Accounts Specialists check the CPD Organizational Form information against supporting document information to validate hours earned. They also check to see

that courses aren't duplicated and that all coursework was completed within the two year renewal cycle. If supporting documents aren't included, the Accounts Specialists can't complete the registrant's audit and the registrant will receive a letter requesting appropriate supporting documents.

According to Oregon Administrative Rule 820-010-0635 (1)(e), all CPD records must be retained, by the registrant, for 5 years. This includes the CPD Organizational Form submitted with renewal packets and all supporting documentation. This rule exists to ensure information can be easily accessed by registrants in the event of an audit.

If the registrant doesn't have a copy of the CPD Organizational Form and can't recreate it, they may request a copy of the form submitted with their most recent renewal. However, this request is processed similar to a public records request and it may not be received in time for audit

compliance. This is why following OAR 820-010-0635 (1)(e) is important. Retaining copies of your CPD records ensures you can comply with audit procedures in the time allotted.

During the audit process, Account Specialists may request supporting documentation for those whose CPD information is incomplete. When these letters arrive, it's recommended that registrants send requested documentation as soon as possible. Those who do not comply with audit requests or who are found to have falsified CPD Organizational Forms or supporting documentation can face disciplinary action against their licenses.

The OSBEELS Regulation Department estimates that 50-60 percent of their workload each year consists of CPD violations revealed during audits. ■

SYMPOSIUM, from Page 2

in protecting the American public, not just from technical incompetence, but also from unethical practices.”

The OSBEELS Symposium is an annual event and will be held next on September 20, 2013.

Information for the Symposium is announced in early summer and registration closes at the end of August. Registration includes registration materials, lunch and 8 PDHs. Anyone interested in attending future Symposium events

should keep an eye out for an announcement in the mail, in the newsletter, The Oregon Examiner, and on the Board's Web site at www.oregon.gov/OSBEELS. ■

Renewal Form

If requesting reinstatement from inactive or retired status, please complete the Reinstatement from Inactive or Retirement Status form.

Registrant Contact Information			
First name (personal name)	Middle name or initial	Last name (family name)	
If you have a Social Security number Oregon law requires that it be used. Only use a Passport number if you don't have a Social Security number.			
<input type="checkbox"/> Social Security #	OR <input type="checkbox"/> Passport #	Country issuing passport	Registration #
Birth date (Mo/Day/Yr)	Where do you want correspondence mailed to?		
	<input type="checkbox"/> Home address OR <input type="checkbox"/> Business address		
Mailing address (include any apartment number)			Home/Personal phone #
City	State	Zip/Postal code	Home email address
Business name		Business phone #	Business fax #
Business address (include any suite number)			
City	State	Zip/Postal code	Business email address

Social Security Guidelines

As part of your application for an initial or renewed occupational, professional or recreational license, certification, or registration issued by OSBEELS, you are required to provide your Social Security Number to OSBEELS. This is mandatory. The authority for this requirement is ORS 25.785, ORS 305.385, 42 USC § 405 (c) (2) (C) (I), and 42 ISB § 666 (a) (13). **Failure to provide your Social Security Number will be a basis to refuse to issue or renew the license, certification, or registration you seek.** This record of your Social Security Number will be used for child support enforcement and tax administration purposes (including identification) only, unless you authorize other uses of the number. Although a number other than your Social Security Number appears on the face of the licenses, certificates, or registrations issued by OSBEELS, your Social Security Number will remain on file with OSBEELS.

If, the United States Social Security Administration has not issued you a social security number, you must follow these guidelines:

- a. form must be signed by you;
- b. You are attesting to the fact that no social security number has been issued to you by the United States Social Security Administration; and
- c. are acknowledging that knowingly supplying false information under this section is a Class A misdemeanor, punishable by imprisonment of up to one year and a fine of up to \$6,250.

By providing the following signature, you are agreeing to comply with the guidelines listed above.

Signature	Date (Mo/Day/Yr)
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Continued on Page 10

Continued from page 9

Please check the applicable boxes and enclose the appropriate amount	
<input type="checkbox"/> Active registration renewal: \$150.00 each profession <input type="checkbox"/> PE <input type="checkbox"/> PLS <input type="checkbox"/> RPP <input type="checkbox"/> I have attached the CPD Organizational Form	<i>Please refer to the Oregon Administrative Rule (OAR) 820-010-0505 and 820-010-0510 for further details.</i>
I certify that I have completed the required professional development hour (PDH) units in accordance with the applicable OARs.	
Signature	Date (Mo/Day/Yr)
<input type="checkbox"/> Certified Water Right Examiner (CWRE) renewal: \$40.00 <i>No PDH units are required as a condition of renewal for a CWRE certification.</i>	<input type="checkbox"/> Delinquency fee per registration renewal: \$80.00 per profession <i>Please refer to the OARs 820-010-0505 and 820-010-0520 for further details.</i> <input type="checkbox"/> PE <input type="checkbox"/> PLS <input type="checkbox"/> RPP <input type="checkbox"/> CWRE <input type="checkbox"/> I have attached the CPD Organizational Form

Select payment method (choose one)			
<input type="checkbox"/> Check or Money Order (payable to OSBEELS)	<input type="checkbox"/> Cash	Amount enclosed:	
<input type="checkbox"/> Debit or Credit Card (Visa, Mastercard, Discover, or AmEx)		Total charge to card:	
Card number	Exp. date	Security code*	Billing Zip/Postal code
Payment Signature (serves as payment authorization if paying by debit or credit card)			
Signature			Date (Mo/Day/Yr)

*** Debit or Credit Card Security Codes**

If submitting a payment to the OSBEELS for fees by debit or credit card, please provide the security code. These codes are a security feature that appears on the back of most Visa, MasterCard, and Discover cards, and on the front of American Express cards. This code is a three or four-digit number which provides a cryptographic check on the information embossed on the card.

American Express Card Users: Look for the 4-digit code printed on the front of the card just above and to the right of the main card number. This 4-digit code is the card security code.

Visa, MasterCard, and Discover Card Users: Flip the card over and look at the signature box. A special 3-digit code will be located in the signature box. This 3-digit code is the card security code.

Investigation and Enforcement

Law Enforcement Cases with Sanctions

October 1, 2012 - December 31, 2012

2662 - Robert A. Walz

The Board issued a default final order against Robert A. Walz, PE, finding that he failed to notify the Board of disciplinary action taken against him by another state board within a reasonable timeframe.

On October 14, 2010, the Board

received correspondence from Walz regarding disciplinary action taken against him by the North Carolina Board of Examiners for Engineers and Surveyors. However, the violation occurred in 2006, with a final decision being levied in 2008. Walz was sent a Letter of Intent to Revoke Registration and Assess a

Civil Penalty and did not respond to the Board. Therefore, his default final order will result in the revocation of his registration and a \$2,000 civil penalty for violations of OAR 820-020-0015(8), OAR 820-020-0045(4), and ORS 672.200(4). ■



OSBEELS is coming to Facebook! The most up-to-date information on exams, applications, audits, renewals, and more! Keep an eye on our website at www.oregon.gov/osbeels for more social media launch news and updates.

Friendly Reminders

Registration renewal

Not sure if your registration(s) is current? Visit OSBEELS website at www.oregon.gov/osbeels and click on the "Find a Licensee" link to confirm your registration(s) status.

If you would like to renew your registration(s), mail the form on page 9 to the OSBEELS office at 670 Hawthorne Avenue SE, Suite 220, Salem, OR 97301

Employer Checks

If your employer sends a check for your renewal, please ensure that it includes your registration number(s)

and your Continuing Professional Development Organizational Form is attached. If these items are not included, it will delay the renewal process.

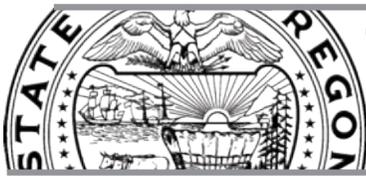
Social Security Number

To comply with child support enforcement and tax administration law, OSBEELS requires that all applicants and licensees provide their Social Security numbers. The Oregon Revised Statute (ORS) 25.785, specifically requires that the Social Security number be recorded on an application for,

or form for renewal of, a license, certificate or registration. If you have not been issued a Social Security number, OSBEELS will accept a written certification to fulfill this requirement.

Deceased Registrants

If you are aware of a registrant who has passed on, please contact OSBEELS at (503) 362-2666. OSBEELS would like to update its records and avoid sending renewal notices and other communications to the families. ■



Oregon

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LAND SURVEYING

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Please list an email address below to receive the newsletter electronically. However, if you do not have an email address and would prefer to receive the newsletter by mail, please provide a mailing address. You may return the information by email to osbeels@osbeels.org, by fax to (503) 362-5454, or by mail to the address listed above. Please note, by submitting this form, the contact information in which Board correspondence is sent will not be changed. Please utilize the Registrant Information Update form to comply with Oregon Administrative Rule (OAR) 820-010-0605.

Registrant Information

First name (personal name)	Middle name or initial	Last name (family name)
Email Address		Registration or certificate number, if applicable

To receive the print edition of The Oregon Examiner, please complete the information below.

Home Business

Mailing address (include any apartment/suite number)

City	State or Province	Zip/Postal code	Country
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