

SUMMER 2016

BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS



BULLETIN

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Our Summer 2016 *Bulletin*

We hope you enjoy this issue of the *Bulletin*. Our theme for this quarter's issue is "enforcement." As stated in the Board for Professional Engineers, Land Surveyors, and Geologists' (BPELSG's/Board's) mission and vision statements, to effectively protect the public, we always strive to regulate our licensed professions as efficiently as possible:

- **Mission:** We protect the public's safety and property by promoting standards for competence and integrity through licensing and regulating the Board's professions.
- **Vision:** A California that leads the nation in protecting the public and environment with competent and ethical professional services by the Board's licensees.

Please read about our enforcement efforts and many other topics we hope you'll find informative.

Take a look inside! If you have any ideas for future newsletter topics, please let us know.



Message From the Executive Officer

RICHARD B. MOORE, PLS

To say the first five months of 2016 were busy and have flown by at BPELSG is definitely an understatement. Results for most of the spring examinations were released before Memorial Day weekend right around our goal of 30–45 days. The professional geologist results took a little longer—this was done to release National Association of State Boards of Geology (ASBOG) results at the same time as the California state exam results. This way, successful candidates wouldn't have to wait as long to find out their license numbers. For those licensing candidates who were unsuccessful this time, I encourage you to spend time studying the diagnostic reports provided to you by the various exam vendors (National Council of Examiners for Engineering and Surveying, ASBOG, or BPELSG). You can use these to properly evaluate your strengths and weaknesses in comparison to the published test plan specifications and address any deficiencies key to your future success and how you handle adversity as

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BULLETIN

Message From the Executive Officer (continued from page 1)

a licensee. On its website, BPELSG provides several publications online to assist with this evaluation (www.bpelsg.ca.gov/applicants/exam.shtml), particularly an in-depth understanding on how to read the BPELSG-produced diagnostic for the California state exams and sample computer-based testing exam questions to help candidates prepare.

As many readers of this *Bulletin* already realize, BPELSG has been active the first part of this year from a legislative and regulatory standpoint. BPELSG is collaborating with two very fine legislative authors in sponsoring Senate Bill 1085 (Senator Roth) and SB 1165 (Senator Cannella). Both of these bills are addressing lessons learned as the result of our most recent sunset review process from 2015. All of us at BPELSG encourage everyone to learn about these bills, ask questions to understand the true impact these proposals will have on licensees, and voice your thoughts, positive or not so positive, with the authors' offices. In addition, BPELSG is actively involved in several simultaneous rulemaking processes that are proposing revisions to the current Board Rules for all

of our licensees. Just in case you are not aware of where or how BPELSG publishes their rulemaking notices, I encourage everyone to visit www.bpelsg.ca.gov/about_us/rulemaking.shtml; the rulemaking process represents one of the most opportune times for licensees and the public to voice their opinions on BPELSG's efforts.

Finally—and I'm sure I am not the only one who has waited for this—in this issue is the second part of an article that began in our spring 2016 issue "Achieving Your Dream: Professional Licensure," written by our current 2015–16 Board President, Robert (Bob) Stockton, P.E. In the article, Bob compares the pursuit of licensure to one of his personal passions: training and completing a triathlon. And in what is turning out to be one of our most popular recurring segments of the *Bulletin*, we have an interview with several members of a respected California family comprised mostly of land surveyors and one professional engineer.

Please enjoy our summer 2016 issue as we look forward to serving your licensing needs during the heat of the summer.

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Richard B. Moore, PLS, Executive Officer

Brooke C. Phayer, *Bulletin* Editor



Get to Know Our Licensees

In this issue of the *Bulletin*, we introduce you to a portion of the Butcher family—three brothers: oldest brother, Allen, a professional civil engineer; middle brother, Mike; and younger brother, John. Both Mike and John are professional land surveyors. All followed their father, Walter, who is a civil engineer, into the “family business.”

1. Briefly describe your educational background.

Allen: Graduated with a Bachelor of Science from San Diego State University in civil engineering in 1988.

Mike: My education started with on-the-job training in high school in the summer of 1980. I continued working summers through high school with the intent to continue on into civil engineering like my father, however, quickly learned surveying was my calling. I joined the union and fulfilled the apprenticeship hours and attended the classroom training; I earned a Certificate in Surveying through Rancho Santiago Community College.

John: My education started with on-the-job training in the summer of 1985 working for my father's business and various other private-sector firms to gather a broad base of experience. Eventually, I supplemented my experience with land surveying-related classes at Cuyamaca College to increase my personal growth, recognizing that a license would open up all kinds of additional opportunities.

2. When did you receive your engineer-in-training (EIT)/land surveyor-in-training (LSIT) certification?

Allen: EIT, 1987

Mike: LSIT, 1991

John: LSIT, 2002

3. What prompted you to get your professional license?

Allen: I was goal-oriented and set my sights on a civil engineering degree, like my father.

Mike: I decided to pursue my license shortly after receiving my LSIT certification and thought that I might as well tackle it now while my studies were fresh. Being surrounded by licensed relatives (uncle, cousin, brother, father), there was plenty of encouragement. I came into the office to obtain my office experience and gained additional mentoring under my father. I passed

the California LS [land surveyor] exam in 1993, and then continued on to get my Arizona license in 1994 and Nevada in 1995.

John: My dad, Walt Butcher, was very inspirational to me—very humble, intelligent, hardworking, never complained. He was a superior surveyor, friend, and father. Mike was a hard act to follow; he also set the bar high for me to aim at. He was, and still is, someone I look up to—well respected and just like our dad.

4. Briefly describe your professional career.

Allen: I found I liked designing projects (roadways, etc.) rather than building, staking, and finding boundaries. I liked the conceptual part of the projects rather than the fieldwork.

Mike: I have worked with my family's business for over 34 years up to my current role as Vice President. Major projects include large power plants, numerous subdivisions, and several master planned communities, and over 60 miles of railroad and light rail projects, and [serving as a] BPELSG Land Surveying TAC [Technical Advisory Committee] member.

John: After finally receiving my land surveying license in Arizona and Nevada (2005), I finally realized my original goal of becoming licensed in California in 2007. I continue to expand my personal knowledge and skills by achieving CFedS-certified by BLM in 2010 and teaching future surveyors. I am currently the Senior Land Surveyor for City of San Diego Public Works, Construction Management & Field Services, Survey Section, Field Division, overseeing 12 survey field crews and the QA/QC on city-related survey projects.



Top: Michael and Allen Butcher
Bottom: Walter (father) and John Butcher

“As my dad always said: ‘There are only A’s and F’s in surveying! Nobody wants a surveyor that is happy with a B ...’”
said John Butcher.

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Board News

Cynthia V. Guzmán, of Los Angeles, has been appointed to the Board by Governor Brown. Guzmán has been a senior associate at Estolano, LeSar, Perez Advisors since 2015, where she has held several positions since 2012, including associate and research analyst. She was an intern at the City of Pasadena Planning and Community Development Department in 2011 and a law clerk at a private firm from 2009 to 2010. She is a member of the Women's Policy Institute at the Women's Foundation of California. Guzmán earned a Master of Urban and Regional Planning degree from the University of California, Los Angeles, School of Public Affairs.

Steve Wilson, of Monterey, has been appointed to the Board by Governor Brown. Wilson has been the founder and owner at Monterey Bay Engineers Inc. since 1975. He was a technical consultant for professional licensing examination at CTB-McGraw-Hill from 1991 to 2008, a part-time land surveying instructor at Monterey Peninsula College from 1989 to 1994, and senior designer at Mobile Parks West from 1972 to 1978. Wilson was junior civil engineer at the Seaside Public Works Department from 1970 to 1972, survey crew member at the Monterey County Public Works Department in 1970 and survey crew member and engineering aid at the City of Monterey Public Works Department in 1966. He served in several positions in the U.S. Navy Reserve, including SP-2H aircrewman from 1967 to 1970 and chief illustrator draftsman from 1975 to 1982. Wilson is a member of the American Council of Engineering Companies, California Land Surveyors Association, and the National Society of Professional Surveyors.

Patrick J. Tami, PLS, was appointed to the Board by Governor Schwarzenegger on June 9, 2006. He served as Vice President of the Board from July 1, 2007, through June 30, 2008; as President of the Board from July 1, 2008, through June 30, 2009; and has served as the professional member liaison to the Board's Land Surveying Technical Advisory Committee. During Mr. Tami's tenure, the Board transitioned the California Professional Land Surveyor Examination from a design/essay examination to an all-multiple-choice, computer-based examination. Also, during his tenure, the Board licensed 25,069 professional engineers; 1,130 professional land surveyors; 660 professional geologists; and 17 professional geophysicists. Mr. Tami has represented—and continues to represent—the interests of California and all of the Western Zone states and territories

on a national level as the National Council of Examiners for Engineering and Surveying (NCEES) Western Zone Vice President (serving twice) and will continue to provide California a voice on the national level as the incoming NCEES president-elect and future NCEES president—marking only the third time that a representative from California has served as president of NCEES. The Board commends Mr. Tami, for his hard work, dedication, and leadership in his service to the Board and thanks him for the significant contributions that he has made to the Board.

Achieving Your Dream: Professional Licensure Part 2

BY MIKE TERUEL AND ALICE RYSTOV

TAKING THE EXAM/FINISHING THE RACE

Bob Stockton, current President of the Board and Vice President and Principal-in-Charge of Rick Engineering Company's Riverside office, said he felt quite differently on professional engineer exam day versus triathlon race day.

“I was much more comfortable going into the exam than going into my first triathlon. The triathlon was a total unknown. I'd taken lots of exams in college and I'd already passed the fundamentals of engineering test, so I was better prepared for the exam than I was for my first triathlon. It was kind of a wing and prayer on that one.”

An important point Bob indicated for engineers and athletes alike is that mentally there should be an understood differentiation between the effort required for effective studying and training versus the effort required for actually taking the test or competing in the race. It is a different intensity level. “It's one thing in training and another thing in the race. It's one thing in practice and it's another thing when your license is on the line.”

As with any momentous occasion where nerves are involved, distractions can be a serious factor affecting performance. Bob encountered a major distraction before his exam had even started. Upon arrival, he watched the majority of test takers loading up with stacks of books for reference during the test, compared to his total of two books. “People literally had wagons; I mean, they were setting up shelves for their books. I was like, am I missing something?”

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Board News (continued from page 4)

Distractions are inevitable. What is important is how you respond. “Just like racing, I just put my head down and started going!”

In attempting feats that require a great deal of focus and endurance, laying out a strategy will prove to be helpful in the long run. For the professional engineer (PE) exam, Bob’s strategy dealt with properly managing his mental focus: “I went through all the problems first. I started with the easiest to get my confidence going, then I went on to the hardest problems while I was still fresh, and then went on to the intermediate level problems.” There is a time limit on the test, so moving through the test questions efficiently is imperative.

A strategy Bob used and continues to use for the running leg of triathlons is cadence. For running, Bob makes sure his breathing pattern is in line with his speed of movement. “For as long as I can remember, I’ve run with a rhythmic breathing pattern.” His breathing pattern helps him stay on pace and also provides him with some much needed room to think.

One of Bob’s strengths that allowed him to capitalize on the exam was his structural engineering background. By the time Bob took the test, most of his professional work experience was in structural engineering. This gave him an edge on an area of the exam that engineers typically struggle with: seismic content. PE test takers should consider identifying their skillset and leveraging it. There may be a topic on the exam that certain test takers are more equipped and proficient in because of their schooling, work experience, or outside study. Whatever the advantage is, test takers should capitalize on it by ensuring that they have all their bases covered in that area to perform well, and then input more focus and time in areas of greater difficulty or novelty. Likewise, in the triathlon Bob capitalized on the running

leg of the race. “I ran competitively in school ... I had much more of a running background than a swimming background.”

THE FINISH LINE

In the spring/summer of 1981, after thrashing through a crowded mile-long swim, gritting his teeth through a 25-mile bike ride, hustling through a six-mile run, and successfully passing a rigorous eight-hour PE exam, Bob reached the long-anticipated finish line of achieving the status of a triathlete and acquiring his professional engineering license.

Bob’s finish line was a bit dramatic in comparison to most due to his extracurricular athletic activity. However, a key takeaway Bob gleaned from his own story of working through the challenge of passing the PE exam was to enjoy the journey. “It’s a journey to get there, but when you do, there’s a true sense of accomplishment. I don’t think there’s anything better than that.”

Bob’s professional engineering license has afforded him the opportunity to lead and direct numerous significant projects that have positively impacted communities, businesses, and institutions. To this day, his license allows him to employ his technical engineering skillset and vision in a way that allows him to be responsible for a powerful service that shapes society. “Because I’m licensed, I’m able to perform in responsible charge. That makes a career. That ability to be in responsible charge of a design is huge for one’s professional career.”

Bob wholeheartedly champions that the immense amount of time and hard work that engineers put into pursuing their PE is worth the finish line. Bob’s charge to all engineers in pursuit of their PE is: “Enjoy the experience because you’ll remember it the rest of your life.”

Board Subscribers List Reminder

Receiving e-mail notifications regarding meetings, legislation, or e-news from the Board couldn’t be easier. Simply join our subscribers list on the Board’s website. You will then be connected to new issues of the Board *Bulletin*, notified when the Board holds meetings, and receive information related to consumers, candidates, or licensees.

Joining the subscribers list can be done in just a few easy steps:

1. Visit the Board’s website at www.bpelsg.ca.gov.
2. Click on “Join Our Email List” in the “Quick Hits” section.
3. Enter your e-mail address and the specified text or audio link to validate submission of your data.
4. Click on “Submit,” then you will receive a confirmation e-mail.

Enforcement Actions

Citations Issued to Licensees: Fiscal Year 2015–16 (January–March)

Citations are issued to licensed engineers, land surveyors, geologists, and geophysicists when the severity of a violation may not warrant suspension or revocation of the licensee’s right to practice. When a fine is levied with a citation, payment of the fine does not constitute admission of any violations charged but represents a satisfactory resolution of the matter, pursuant to Business and Professions Code section 125.9(d). Code sections numbered in the 6700s, 7800s, and 8700s refer to the Business and Professions Code; those numbered in the 400s and 3000s refer to Title 16 of the California Code of Regulations. You can read the laws on the Board’s website, www.bpelsg.ca.gov/laws/index.shtml. All final citations are matters of public record. For a copy of the final citation order or if you have any questions, you may contact the Board’s Enforcement Unit at BPELSG.Enforcement_Information@dca.ca.gov or (916) 263-2284. Please include the name of the cited person and the citation number in your request.

Cited Person	Citation No.	Violation Code Section(s)	Date Final	Fine Amount	Status of Fine
AL-ADEEB, ADNAN	10468-L	6749(a)	3/27/2016	\$0	N/A
ALTURAS, CHRIS	10467-L	8767	1/6/2016	\$5,000	
CHU, TSAI-SHYI	10470-L	6775(f)	2/5/2016	\$2,000	Paid
DIAL, RAYMOND	10473-L	8780(b),(d); 8762(b)(1),(4),(5)	2/6/2016	\$2,000	Paid
DONMON, DOUGLAS	10475-L	8780(b)	2/19/2016	\$3,000	Paid
GRAVES, RONALD	10464-L	8759(a); 8759(a)(3); 8780(d)	1/17/2016	\$50	Paid
JEFFRIES, THOMAS	10448-L	8729(i); 8759(a); 8780(g)	1/22/2016	\$750	
WILSON, KENNETH	10460-L	8780(b)	2/11/2016	\$750	Paid

Citations Issued to Unlicensed Individuals: Fiscal Year 2015–16 (January–March)

Citations are an alternative to criminal prosecutions that the Board can use to enforce the laws prohibiting the unlicensed practice of engineering, land surveying, geology, and geophysics, or other activities for which a license is required. When a fine is levied with a citation, payment of the fine does not constitute admission of any violations charged but represents a satisfactory resolution of the matter pursuant to Business and Professions Code section 125.9(d). Code sections numbered in the 6700s, 7800s, and 8700s refer to the Business and Professions Code; those numbered in the 400s and 3000s refer to Title 16 of the California Code of Regulations. You can look up the code sections and read the laws on the Board’s website, www.bpelsg.ca.gov/laws/index.shtml. All final citations are matters of public record. For a copy of the final citation order or if you have any questions, you may contact the Board’s Enforcement Unit at BPELSG.Enforcement_Information@dca.ca.gov or (916) 263-2284. Please include the name of the cited person and the citation number in your request.

Cited Person	Citation No.	Violation Code Section(s)	Date Final	Fine Amount	Status of Fine
AGUILAR, PETER	10135-U	6787(a),(g)	2/3/2016	\$1,000	Paid
AGUILAR, PETER	10134-U	6787(a),(g)	2/3/2016	\$2,000	Paid
PARLIKAR, SACHIN	10471-U	6787(a),(d)	2/5/2016	\$7,500	

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Enforcement Actions (continued from page 6)

Formal Administrative Disciplinary Decisions: Fiscal Year 2015–16 (January–March)

A formal disciplinary decision is considered formal administrative disciplinary action against a licensee. It results from the Board’s adoption of a proposed decision prepared by an administrative law judge following a hearing, a stipulated settlement agreement, or a default decision following a full investigation and the filing of an accusation. An accusation is a formal legal document that notifies a licensee of the Board’s charges and allegations of violations against the licensee and that requests a disciplinary order be issued. The licensee is entitled to contest the charges at a formal hearing before an administrative law judge or to agree to a stipulated settlement. A final disciplinary decision contains findings and determinations or statements of advisements, waivers, and culpability and a disciplinary order. If there are findings of violations, the order may include revocation or suspension of the license, a stayed revocation or suspension of the license with a probationary period and terms and conditions or probation, or a public reproof. In the alternative, the decision may find that no violations or violations of a de minimus nature occurred and order the dismissal of the accusation. All final disciplinary decisions are matters of public record. For a copy of the final decision or if you have any questions, you may contact the Board’s Enforcement Unit at BPESG.Enforcement_Information@dca.ca.gov or (916) 263-2284. Please include the name of the respondent and the case number in your request.

Respondent	Case No.	Effective Date	Disciplinary Order
CAVINESS, ALLAN	1030-A	2/12/2016	Revocation, stayed; probation
COSPER, DAVID	1102-A	2/12/2016	Revocation, stayed; probation
GONZALES, FAUSTIN	1108-A	2/12/2016	Voluntary surrender of Pre-82 civil engineer license; issuance of new civil engineer license
PUTNAM, KENNETH	1068-A	2/12/2016	Revocation, stayed; probation

Definitions: Outcomes of Formal Administrative Disciplinary Decisions

Public Reproof: The licensee is sent a letter of public reproof advising him or her of the violations. The letter is a matter of public record, and a copy will be provided upon request. There are no restrictions on the right to practice, nor is the licensee on probation. This action constitutes formal administrative disciplinary action against the license (and is not the same as a citation).

Revocation, Stayed; Probation: The order of revocation of the license has been stayed (put on hold), and the licensee has been placed on probation for a specified period of time with terms and conditions. If probation is successfully completed, the license will be fully restored. If the probation is violated, the Board can pursue further action to terminate the stay and impose the order of revocation.

Revoked or Revocation of License: The license is terminated, and the right to practice is ended.

Suspended: The licensee is prohibited from practicing for a specific period of time.

Voluntary Surrender or Surrender of License: The license has been voluntarily returned to the Board, and the right to practice has ended. This action constitutes formal administrative disciplinary action against the license.

Enforcement Unit Reports and Information

Categories of Alleged Violations at Opening of Complaint Investigation Case

NOTE: Fiscal Year 2015–2016 statistics are through March 31, 2016. May total more than the number of complaint investigation cases opened since cases may involve more than one category.

C/N: Competence/negligence

Contract: Contractual issues (breach of contract, failure to execute written contract, failure to include all required elements in written contract)

Fraud: Fraud/deceit/misrepresentation; aiding and abetting; criminal conviction

R/S: Failure to file; failure to resubmit; monumentation

U/L: Unlicensed activity

Exam Sub.: Exam subversion (includes those removed from exams and collusion analyses)

CPC: Code of Professional Conduct (16 California Code of Regulations sections 475 and 476)

Other: Anything not covered above (i.e., failure to sign/seal, failure to file, etc.)

Source of Complaints

NOTE: Fiscal Year 2015–2016 statistics are through March 31, 2016. May total more than the number of complaint investigation cases opened since cases may involve more than one source.

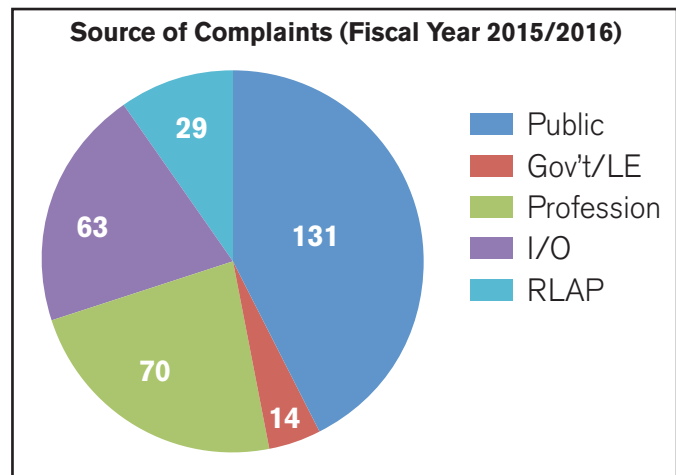
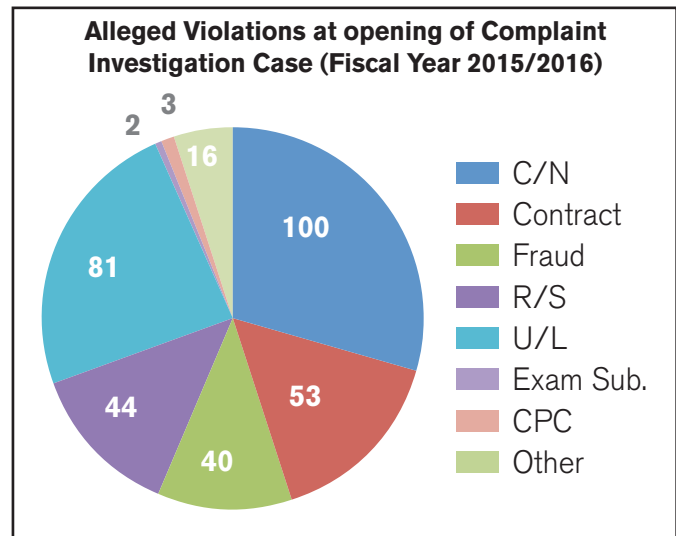
Public: Consumers; individuals not licensed by BPELSG, attorneys, etc.

Gov't/LE: Government agency or law enforcement (includes federal, state, and local governmental entities; e.g., County Surveyor's Office, Building Department)

Profession: Licensees of BPELSG; also includes professional associations (such as the California Land Surveyors Association's Joint Professional Practice Committee)

I/O: Internal/Other—no complainant (exam subversion), inquiries that result in the Enforcement Unit opening a case, anonymous

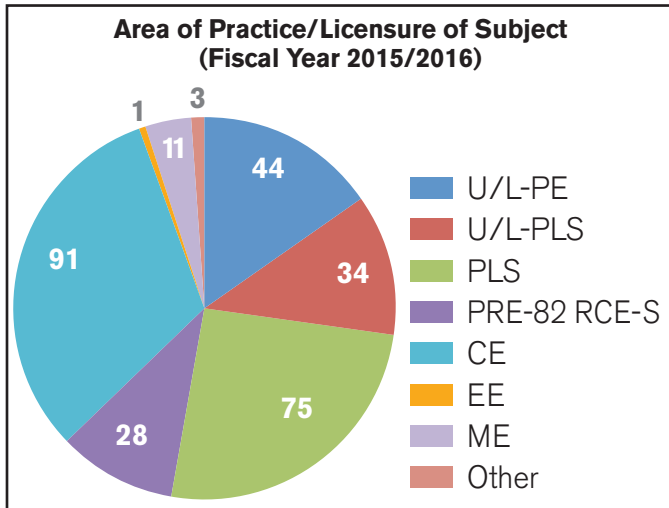
RLAP: Reporting of Legal Actions Program—cases opened as a result of receiving a report of a civil judgment, settlement, arbitration award, or conviction



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Enforcement Unit Reports and Information (continued from page 8)

Areas of Practice/Licensure of Subject



NOTE: Fiscal Year 2015–2016 statistics are through March 31, 2016. May total more than the number of complaint investigation cases opened since cases may involve more than one area.

U/L-PE: Unlicensed activity relating to the practice of professional engineering

U/L-PLS: Unlicensed activity relating to the practice of professional land surveying

PLS: Allegations relating to the practice of land surveying by a professional land surveyors

Pre-82 RCE-S: Allegations relating to the practice of land surveying by a pre-82 civil engineer

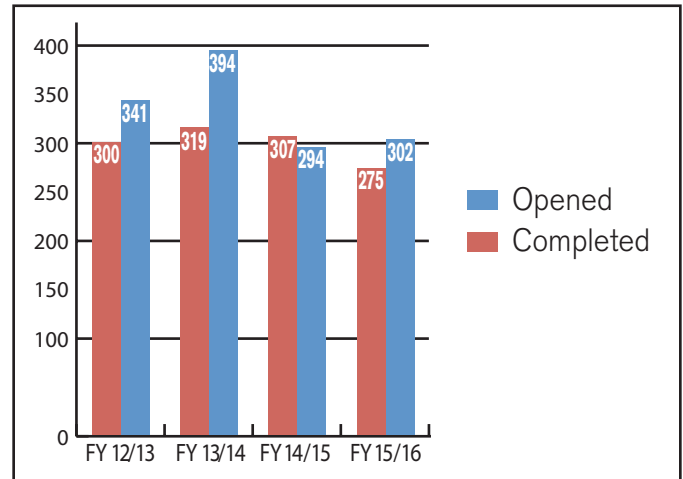
CE: Allegations relating to the practice of civil engineering by a civil engineer

EE: Allegations relating to the practice of electrical engineering by an electrical engineer

ME: Allegations relating to the practice of mechanical engineering by a mechanical engineer

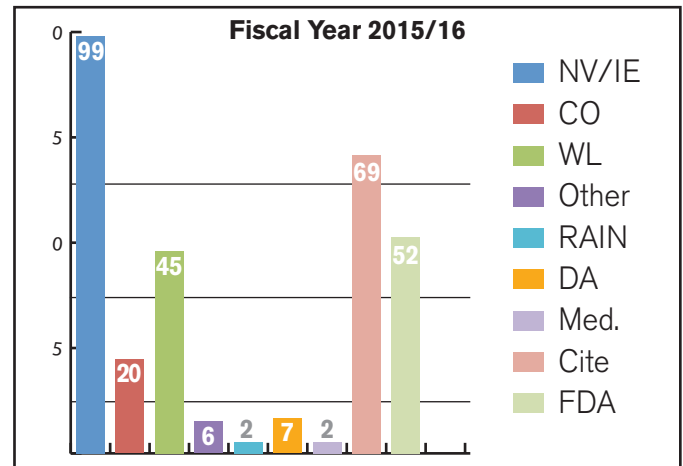
Other: Allegations relating to the practice of any other discipline of engineering by a licensee in the specific discipline (i.e., traffic engineering by a traffic engineer)

Complaint Investigations Opened and Completed



NOTE: Fiscal Year (FY) 2015–2016 statistics are through March 31, 2016.

Outcome of Completed Investigations



NOTE: Fiscal Year 2015–2016 statistics are through March 31, 2016.

Closed with No Action Taken, includes the categories:

NV/IE: No violation/insufficient evidence

CO: Compliance obtained

WL: Warning letter

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Enforcement Unit Reports and Information (continued from page 9)

Other: Other reason for closing without action (e.g., subject deceased)

RAIN: Resolved after initial notification

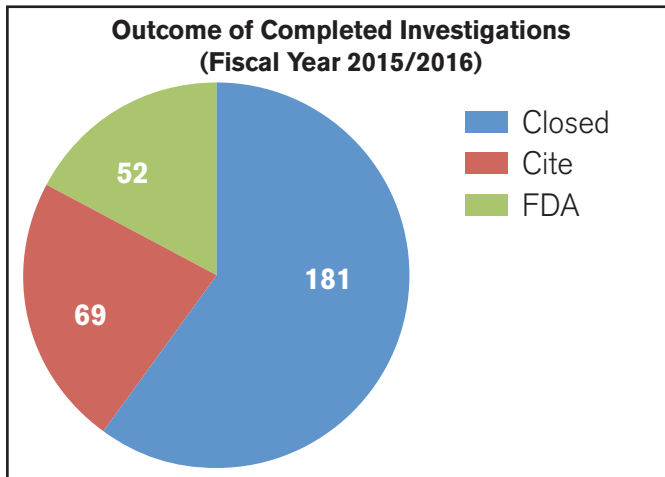
DA: Referred to District Attorney with request to file criminal charges

Med.: Mediated

Cite: Referred for issuance of citation

FDA: Referred for formal disciplinary action

Outcome of Completed Investigations



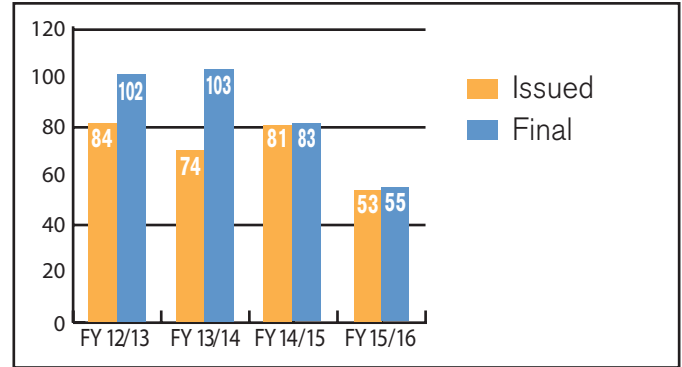
NOTE: Fiscal Year 2015–2016 statistics are through March 31, 2016.

Closed: Closed with no action taken, includes the categories listed on the previous graph, “Outcome of Completed Investigations” on page 9.

Cite: Referred for issuance of citation

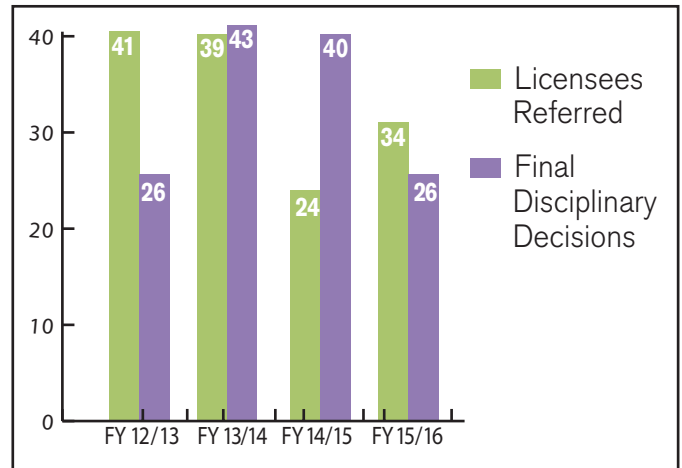
FDA: Referred for formal disciplinary action

Citations Issued and Final



NOTE: Fiscal Year 2015–2016 statistics are through March 31, 2016.

Licensees Referred for Formal Disciplinary Action and Final Disciplinary Decisions



NOTE: Fiscal Year 2015–2016 statistics are through March 31, 2016.

Get to Know Our Licensees (continued from page 3)

5. How do you feel that your professional license has helped you?

Allen: *Achieving professional licensure allowed me to reach the level of responsibility that I was looking for.*

Mike: *Being licensed has allowed me to be a department manager/business partner overseeing all surveying projects and [receiving] a commensurate salary for a career I enjoy.*

John: *My licenses, experience, teaching, and CFedS certification all prepared me for where I am today. School will not replace on-the-job experience and on-the-job experience will not replace school. As one of my mentors said to me long ago, “We should all be students of land surveying,” and I have never stopped learning. If you think you know something, teach it, and then the learning will truly begin. You need both school and on-the-job training to truly have the foundational principles under your belt; teaching refines it.*

Legislation and Regulation News and Updates

Every legislative session, the Board tracks and analyzes bills that impact the Board's operations, the licensed professions the Board regulates, and the statutes that determine that authority. We consistently strive to identify, analyze, and advertise at public Board meetings the bills introduced that may change the landscape of our statutory authority. For more information on upcoming Board meetings and to download meeting materials, go to www.bpelsg.ca.gov/about_us/meetings/index.shtml. The following is a summary of tracked legislation and current regulations:

Legislation

Senate Bill 1085 (Roth)

Laws and Regulations Renewal Examination

Status: In Assembly, referred to Com. on B. & P. – 5/19/2016

Introduced: February 17, 2016

Laws: Add sections 6795.2, 7881.5, and 8801.1 to the Business and Professions Code, relating to professions and vocations.

Bill summary: Existing law makes the Board responsible for the certification, licensure, and regulation of the practice of professional engineers, the practice of professional geologists and geophysicists, and the practice of professional land surveyors. This bill would additionally require an applicant for renewal of their license to complete a specified Board-administered examination on the laws and regulations under the Board's jurisdiction.

Senate Bill 1165 (Cannella)

Sign/Seal and Delinquent Reinstatement

Status: In Assembly, referred to Com. on B. & P. – 5/17/2016

Introduced: February 18, 2016

Laws: An act to amend sections 6796, 6796.3, 6796.5, 7835, 7835.1, 7852, 7852.1, 7884, 8802, 8803, and 8803.1 of the Business and Professions Code, relating to professions.

Bill summary: Currently, the laws allow professional geologists and geophysicists to either sign or seal their documents. This bill would require professional geologists and geophysicists to both sign and seal (or stamp) their final work product documents to indicate their

responsibility for them and to require professional geologists and geophysicists to obtain a seal (or stamp). This bill would also extend the delinquent reinstatement rights to a licensee from three years to five years after expiration of their license. The bill would generally prohibit the renewal, restoration, reinstatement, or reissuance of these licenses after this time.

Regulations

The Board has submitted a rulemaking proposal to amend sections 3036.1, 3036.2, 3037.1, and 3037.2 of Division 29 of Title 16 of the California Code of Regulations relating to examination appeals for geophysicists, specialty geologists, and geophysicists. The Notice has been published in the California Regulatory Notice Register on May 27, 2016 (Register 2016, No. Z-2016-0517-09).

The Board has submitted a rulemaking proposal to amend Sections 426.10, 426.14, and 426.50 of Division 5 of Title 16 of the California Code of Regulations relating to structural and geotechnical engineer qualifying experience. The Notice has been published in the California Regulatory Notice Register on May 6, 2016 (Register 2016, No. Z-2016-0426-05).

The Board has submitted a rulemaking proposal to amend sections 472, 472.1, 472.2, 472.3, 472.4, 473, 473.1, 473.2, 473.3, 473.4, 3062, 3062.1, 3062.2, 3062.3, 3062.4, 3063, 3063.1, 3063.3, and 3063.4 of Title 16 of the California Code of Regulations relating to updating language regarding the Citation Program. The Notice will be published in the California Regulatory Notice Register on March 11, 2016 (Register 2016, No. Z-2016-0301-03).

The Board has submitted a rulemaking proposal to amend section 464 of Title 16 of the California Code of Regulations relating to updating language regarding the Corner Record. In addition, this proposal makes other changes as a result of legislation. The Notice has been published in the California Regulatory Notice Register on November 13, 2015 (Register 2015, No. Z-2015-1029-01).

All information pertaining to the Rulemaking File can be found on the Board's site, www.bpelsg.ca.gov/about_us/rulemaking.shtml.

OUTREACH EVENTS: January–March 2016

University Outreach

The Board has continued targeted outreach to university geology departments in 2016. Five universities were visited during the first quarter of 2016, with a total attendance of approximately 115 students:

- **January 19**—California State University Bakersfield, Department of Geological Sciences. Public Board member Chelsea Esquibias attended this event, answering questions about licensing and listening to students.
- **January 22**—University of California Davis, Department of Earth and Planetary Sciences
- **January 28**—Sonoma State University, Department of Geology
- **February 16**—California State University Stanislaus, Department of Physics and Geology
- **February 22**—San Jose State University, Department of Geology

The focus of the effort was to educate students and faculty about the purpose of the Board and professional licensing requirements. Faculty were encouraged to discuss licensing requirements with students as they map out their education. Students were encouraged to obtain their Geologist-in-Training certificate by taking the national Fundamentals of Geology examination as soon as they are qualified. The presentation encouraged students to take control of their future careers by understanding licensing requirements and keeping up to date with activities at the Board.



*California State University, Bakersfield
Department of Geological Sciences.*



*California State University, Bakersfield
Department of Geological Sciences.*



Sonoma State University, Department of Geology.

Professional Society Outreach

January 13—Groundwater Resources Association of California (GRAC), Sacramento, 30 participants.



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Outreach Events (continued from page 12)

Executive Officer Ric Moore and Senior Registrar Laurie Racca presented “Understanding Licensure Requirements in California: An Overview for the Groundwater Professional” at the January meeting of the GRAC Sacramento Chapter. With the regularly scheduled BPELSG meeting the next day, several Board members and staff took the opportunity to attend the GRAC event to learn about the concerns of professionals working in the groundwater industry. Ric and Laurie have been invited to reprise this presentation as a GRACast webinar on July 27, 2016.

February 9—Association of Environmental and Engineering Geologists, San Francisco Bay Area Chapter, 20 participants.

Geologist Board member Betsy Mathieson joined Senior Registrar Laurie Racca at the San Francisco Bay Area Chapter meeting of the Association of Environmental and Engineering Geologists. The presentation “Evolution of Geology Licensing Requirements in California: Defining a Geological Sciences Degree” focused on the evolution and current status of qualification requirements for becoming a licensed professional geologist in California.

March 23—Association of Environmental and Engineering Geologists, Southern California Section, 35 participants.

Senior Registrar Laurie Racca attended the Southern California Section meeting of the Association of Environmental and Engineering Geologists. The presentation “Evolution of Geology Licensing Requirements in California: Defining a Geological Sciences Degree” focused on the evolution and current status of qualification requirements for becoming a licensed professional geologist in California.

Outreach on Special Topics

The Board hosted three workshops to receive input to identify the minimum curriculum required for a qualifying geological sciences degree in order to apply for licensure as a professional geologist. Clarifying this requirement is part of the Board’s 2015–2018 Strategic Plan. Visit the Board website to view the strategic plan: www.bpelsg.ca.gov/pubs/2015-2018_bpelsg_strategic_plan.pdf.

The Board has been soliciting input on this issue from academia, licensed geologists, and members of the public. In-person workshops were held on February 19 in Riverside and February 26 in Sacramento to communicate with interested parties. Additionally, the Board posted a YouTube version (<https://youtu.be/7IZ8PRXeG7w>) for those unable to attend the workshops in-person. Updates regarding the status of this effort will be provided at future Board meetings. Total in-person and YouTube participation in the workshops was approximately 165 people.

Board Speakers Available

Are you planning an event and are looking for qualified and interesting speakers? Contact the Board for Professional Engineers, Land Surveyors, and Geologists. As part of our outreach effort, the Board has speakers available to present at meetings and events; speakers include:

- Executive Officer Ric Moore, PLS
- Senior Registrar Susan Christ, P.E.
- Senior Registrar Laurie Racca, P.G.
- Assistant Executive Officer Nancy Eissler
- Senior Registrar Mike Donelson, P.E.
- Enforcement Manager Tiffany Criswell

Our Enforcement, Licensing, Examination, and Outreach departments all have speakers authorized to represent the Board. Current and former Board members may also appear on the Board’s behalf, depending on availability.

To request a speaker, we need to know:

- Size of audience
- Date and location of event
- Time, length, and type of presentation and proposed subject matter

For more information, contact the Board’s Outreach Administrator Brooke Phayer at Brooke.Phayer@dca.ca.gov or (916) 263-2239.

National Association News

NCEES

The National Council of Examiners for Engineering and Surveying (NCEES)



NCEES

advancing licensure for engineers and surveyors

is a national nonprofit organization dedicated to advancing professional licensure for engineers and surveyors. It develops, administers, and scores the examinations used for engineering and surveying licensure in the United States. To learn more about NCEES, visit <http://ncees.org/about-ncees/>.

NCEES hosts forum to strengthen future of surveying profession

The NCEES Future of Surveying Forum, held January 22, in San Diego, brought together representatives from 18 surveying-related organizations to identify key elements and strategies to strengthen the future of the surveying profession. This is the first time organizations with varying perspectives on the profession have come together to discuss its challenges and collaborate on increasing the number of professional surveyors.

For more NCEES news, visit <http://ncees.org/about-ncees/ncees-news/all-news/>.

ABET

ABET is a not-for-profit, nongovernmental accrediting agency for programs in applied science, computing, engineering, and engineering technology.



ABET accreditation provides assurance that a college or university program meets the quality standards of the profession for which that program prepares graduates. ABET accredits programs, not institutions. It provides specialized accreditation for post-secondary programs within degree-granting institutions already recognized by national or regional institutional accreditation agencies or national education authorities worldwide.

ABET accreditation is voluntary, and to date, more than 3,400 programs at nearly 700 colleges and universities in 28 countries have received ABET accreditation.

To find out if a program is ABET-accredited, do an online search at <http://main.abet.org/laps/Accreditedprogramsearch.aspx>.

A recap of ABET's 2015 highlights can be found at www.abet.org/blog/news/7-highlights-from-2015.

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Spring 2016 Professional Engineer, Land Surveyors, and Geology Examination Statistics

CIVIL ENGINEERING EXAMINATIONS	Pass	Fail	Total	Rate
Principles & Practices (National)	756	811	1,567	48%
Seismic Principles (State Specific)	1,035	894	1,929	54%
Engineering Surveying (State Specific)	760	1,113	1,873	41%
LAND SURVEYING EXAMINATIONS	Pass	Fail	Total	Rate
Principles & Practices (National)	37	22	59	63%
Surveying (State Specific)	43	154	197	22%
OTHER ENGINEERING DISCIPLINE EXAMINATIONS	Pass	Fail	Total	Rate
Agricultural	0	2	2	0%
Chemical	15	9	24	62.5%
Electrical	96	149	245	39%
Industrial	2	4	6	33%
Mechanical	168	105	273	62%
GEOTECHNICAL ENGINEERING JANUARY APRIL	Pass	Fail	Total	Rate
Geotechnical	4	6	10	40%
STRUCTURAL ENGINEERING	A*	UA**	Total	Rate
Lateral Forces	63	63	126	50%
Vertical Forces	48	73	121	40%
FUNDAMENTALS EXAMINATIONS JANUARY APRIL	Pass	Fail	Total	Rate
Engineering	915	621	1,536	60%
Land Surveying	10	31	41	24%
GEOLOGY	Pass	Fail	Total	Rate
ASBOG Fundamentals of Geology	86	40	126	68%
ASBOG Practice of Geology	46	14	60	77%
California-Specific Examination	66	32	98	67%

*A = Acceptable, UA = Unacceptable



In Memoriam

In celebration of the lives and contributions of the following professionals, the Board would like to recognize professionals licensed as engineers, land surveyors, or geologists who recently passed away. Below is list of individuals who have departed between January and March 2016. This list may not include all those who have recently passed away as we rely on information from the public, other licensees, and family members. Please contact the Board regarding individuals who have recently passed.

Name	License Number	Years of Service
Engineers		
Leroy Albert Bash	CR 134	39
Charles W. Beadle	M 13213	52
Warren J. Cole	C 11525	57
Louis Edwin Dunn	C 8449	64
Meredith Fox	CS 4904	33
Parker B. Kemp	P 1120	56
Malcolm Gordon Larkins Jr.	C 21460	43
Isidor Lenoil	M 14625	46
Gary Yau Choy Loo	C 25455	40
Joe Lopez	C 26709	39
James Irvin McGurrin	L 5947	28
Philip Takeshi Nishikawa	QU 47	40
Charles M. Savage Jr.	CH 2675	54
Brian Robert Schonlank	C 33527	34
Gary Leo Young	C 27404	39
Richard Pierre Young	C 26810	39
Land Surveyors		
John Domingo Chiappe Jr.	L 7230	19
Charles Leslie Evans	L 3709	46
John Lamprey Sanborn	L 4146	43
Multiple Licenses		
Edmond Grigor Babayan	C 15773 / S 1485	51 / 48
David Alan Crane	C 10464 / S 1072	59 / 59
Charles Alexander Johnson	C 16555 / L 3310	49 / 50
Suan-Sing Lau	C 23647 / TR 876	41 / 38
Angie Melissa Louie	TR 2153 / E 13688	14 / 25

Contact Us

California Board for Professional Engineers, Land Surveyors, and Geologists

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PG/PGp		(916) 263-1855
LICENSE RENEWAL	Vicki Kereszt	(916) 263-2268
OUTREACH	Brooke Phayer	(916) 263-2239
SENIOR REGISTRARS (FOR PROFESSIONAL LICENSES)		
Engineers (Civil, Structural, and Geotechnical)	Susan Christ, PE	(916) 263-2247
Engineers (Other Than Civil)	Michael Donelson, PE	(916) 263-2248
Geologists and Geophysicists	Laurie Racca, PG	(916) 263-2406
Land Surveyors		(916) 263-2222
WEBMASTER	Celina Calderone	(916) 263-2230

National Association News (continued from page 14)

ASBOG

The National Association of State Boards of Geology (ASBOG) is a not-for-profit, nongovernmental accrediting agency that serves as a connective link among the individual state geologic registration licensing boards for the planning and preparation of uniform procedures and the coordination of geologic protective measures for the general public.



One of ASBOG's principal services is to develop standardized written examinations for determining qualifications of applicants seeking licensure as professional geologists.

ASBOG held the spring Council of Examiners (COE) meeting in Baton Rouge, Louisiana, from April 7–8. Senior Registrar Laurie Racca attended on behalf of the Board. The purpose of the spring COE is to review the results of the spring 2016 ASBOG Fundamentals of Geology and Practice of Geology exams and set the passing score. Additionally, the COE reviews questions chosen for the examinations to be held in fall 2016 and writes new test questions for future exams.



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Board Calendar

JULY

7/4: Independence Day

7/8: Refile Applicant Final Filing Date (Fall 2016 Exams)

FE/FS (EIT/LSIT) Exams:
Continuous Testing

AUGUST

8/18–19: Board Meeting

8/24–27: NCEES Annual Meeting

FE/FS (EIT/LSIT) Exams:
Continuous Testing

SEPTEMBER

9/1: Open Registration Ends for NCEES Exams

9/5: Labor Day

9/30: ASBOG National Exams

FE/FS (EIT/LSIT) Exams:
Continuous Testing

SPRING 2016

BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS



BULLETIN




Social Media: Board Facebook and Twitter Pages

The Board is asking for your help in getting the word out regarding the launch of its Facebook and Twitter pages. The Board is now posting information of interest to postsecondary institutions and students on a regular basis. This information includes regulatory changes, updates to our website, interesting articles, useful resources, and a host of other Board-related data.

For those institutions that communicate with students through e-mail or some other means, we invite you to share this information with them. The Board is anxious to use these social media outlets as an ongoing way to reach our stakeholders. Thank you for your assistance in spreading the word.

Please take a few minutes to “like” us on Facebook and follow us on Twitter:

 **Facebook** - www.facebook.com/pages/The-Board-for-Professional-Engineers-Land-Surveyors-and-Geologists/107020752801578

 **Twitter** - twitter.com/CA_Engineers

STATE OF CALIFORNIA

DEPARTMENT OF CONSUMER AFFAIRS

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