

Board Members

Randall M. Long, P.E.
Chairman (6/30/14)

Alan R. Riecki, P.L.S.
Vice Chairman (6/30/14)

Patty Mamola, P.E.
Past Chairman (6/30/15)

Kenneth H. Gardner, P.E.
Member (6/30/15)

Robert O. LaRiviere, P.L.S.
Member (6/30/16)

Samuel D. Palmer, P.E., P.Eng.
Member (9/30/16)

Christopher M. Roper, P.E./S.E.
Member (6/30/14)

Amy Y. Cheng, P.E.
Member (6/30/15)

Bud A. Cranor, Public
Member (6/30/16)

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Christopher MacKenzie

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James Pehrson, P.E.
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John Clark, P.E.
Investigator

Lynell Higashi
Exam Administrator

Kay Smith
Administrative Assistant

Nancy Gonzalez
Receptionist/Secretary

Board Office

1755 E. Plumb Lane Suite 135
Reno, Nevada 89502

Telephone

(775) 688-1231
Fax: (775) 688-2991

Email: board@boe.state.nv.us
Web: www.nvboe.org

Chairman's Message

by Randall Long, P.E.



The Board has experienced many changes over the years, including in legislation, Board members, and staff, but none as great as the retirement of Bruce Robb, Esq. Bruce served as Legal Counsel for the Board from 1981 to 2013. To put his tenure into perspective, he served a total of 38 Board members, 15 Chairmen and 10 Executive Directors. The Board had a total of 3,000 licensees in 1981, whereas today the number of licensees is on the order of 11,000.

Bruce's legal counsel was guiding, corrective, and forward-thinking over the years, but Bruce's most redeeming attribute was his demeanor. Bruce was a true gentleman to the Board, to the public, and to the licensees who appeared before the Board. He had a way of saying no or changing your mind, all the while making you feel as though *you* made the decision, and you felt good about it. Bruce's consistent professionalism and drive to protect the public will be missed.

Before Bruce's retirement in July of this year, the Board undertook a selection process to hire new legal counsel. Upon completion, the Board selected Christopher MacKenzie of the law firm Allison MacKenzie. The transition between Bruce and Chris has been seamless and we expect Chris to have a similar tenure with the Board.

For those licensees renewing this fall as well as for firm registration renewals this fall, change is in the making. In December of this year, the Board will launch online renewals for licensees and firm registrations. The final touches to the interactive web page and database are being made today, and notices will be forthcoming.

Lastly, the foundation for licensure for engineers and surveyors is based upon three main pillars: education, exam, and experience. What I have found to be concerning is how often ethics is **not** woven into any of the three pillars. Have you received ethics training and mentoring during your career? Does your company offer ethics training or an ethics mentoring program?

It is hard to deny that we as engineers and surveyors find ethical issues to be more difficult than technical issues. Problems of ethics tend to be open-ended and not susceptible to formulaic solutions, and they rarely have a single correct answer. The "rope of ethics" is what holds the engineering and surveying professions together while ensuring the highest degree of public safety. If the "ethic rope" breaks or even becomes

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Chairman's Message

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loose, we all lose.

To that end, I would encourage you as licensees to create candor in the workplace, foster an environment of trust, and to treat everyone as intrinsically valuable. ■

New Board Members Appointed



Christopher M. Roper, P.E., S.E.

Governor Brian Sandoval appointed Chris Roper to the Board earlier in the year. Chris replaces former member and Chairman Michael W. Holloway, P.E., P.Eng., Ph.D. whose term expired.

Chris is a structural engineer employed at Hyytinen Engineering in Reno where he provides structural engineering services on a wide variety of public and private projects. He is a licensed civil and structural engineer in Nevada, California, Oregon and Washington. Chris also participates in the NCEES structural exam development process.

With a father in the mining industry, Chris was born in Winnemucca and moved to Montana as a youth. He graduated from Montana State University in Bozeman with a B.S. degree in civil engineering. Chris moved to Reno immediately after graduation to begin his career in engineering.

Chris and his wife Kelly (Klaich), a native Nevadan, have two daughters, Corinne and Amaya. He enjoys spending time with family, serving as a Big Brother through Big Brothers Big Sisters of Northern Nevada, participating in children's ministry at his church, and staying active outdoors.

Amy Y. Cheng, P.E.



In March 2013, Governor Sandoval appointed Amy Cheng to the Board. Amy takes over the seat held by Ruedy Edgington, P.E. whose term expired. She is the first fire protection engineer to be appointed to the Board.

Amy is the Assistant Manager, Building Plans Examination, for the Clark County Building Department in Las Vegas. Previously to that she was the Assistant Fire Protection Engineer at the Las Vegas Fire Department.

Amy was born in Liuyang, China, which she says is a beautiful city located in the Hunan Province. She received a B.S. degree in electrical power engineering from the Huazhong University of Science and Technology in China.

After moving to the United States, Amy obtained master's degrees in mechanical and fire protection engineering from the University of Maryland at College Park. She became licensed in Nevada as a fire protection engineer in 1999.

Amy is a member of the Society of Fire Protection Engineers (SFPE), Southern Nevada Chapter; the International Code Council (ICC), Southern Nevada Chapter; and serves on the Executive Board of the Las Vegas Asian American Group (AAG).

Amy lives in Las Vegas and has two grown children, JoAnna Tonini, who works for the U.S. Labor Department, and Calvin Tonini, who works for the State of Nevada Department of Health and Human Services.



Bud A. Cranor

The Board received a new public member when Governor Sandoval appointed Bud Cranor effective July 2013. He takes the place of previous public member, Christine A. Milburn, whose term expired. Bud previously served on the Board from 2003 to 2007.

Bud is the Director of the Communications and Council Support Office in the Mayor's Office at the City of Henderson. He oversees the administrative and constituent affairs for the Mayor and Council. Bud also serves as the City's primary spokesman and directs the City's public information efforts.

Prior to coming to the City of Henderson in 2003, Bud was the Director of Nevada Governor Kenny Guinn's Southern Nevada Office, and was a member of the Governor's senior staff from 1998 to 2003.

Before entering public service, Bud held positions in the private and non-profit sectors after graduating with a bachelor's degree in communications from Brigham Young University in 1995.

Bud serves on the Emergency Response Review Committee for the Clark County School District (CCSD), the Voices in Voting Board of Directors, the APPLE Partnership Executive Committee, and the Del Sol High School Governance Team.

Bud lives in Las Vegas with his wife Erin and their four children. ■

Board Member Reappointed

Governor Sandoval reappointed land surveying member Bob LaRiviere to the Board effective July 1, 2013.



Bob is a licensed professional land surveyor in Nevada and California, and has been working in the northern Nevada and Lake Tahoe area for the past 33 years. He currently is the president-owner of CFA, Inc., a Reno civil engineering, land surveying, landscape architecture, and construction observation firm. He has been a partner at CFA since joining the firm in 1998.

Bob graduated from Paul Smith's College in New York with a degree in surveying and forestry. He is active in the Nevada Association of Land Surveyors, the Sparks Centennial Sunrise Rotary Group of which he is a Charter Member, and the Nevada Land Conservancy.

Bob and his wife Terry live in Sparks. They have a son, Dave, daughter-in-law Leah, and three grandchildren. ■

NCEES Installs Patty Mamola as First Female President



Patty Mamola, P.E. has been installed as the first female President of NCEES since its founding in 1920. She accepted the office at the conclusion of the organization's 92nd annual meeting, held August 21-24, 2013, in San Antonio, Texas. Having completed a one-year term

as President-Elect, she will now serve as President for the 2013-14 term.

A resident of Reno, Nevada, Mamola has been a member of the Nevada State Board of Professional Engineers and Land Surveyors since 2006. She is a past Board Chair as well as a former NCEES Western Zone Vice President.

Licensed as a professional engineer since 1993, Mamola has focused her career on transportation, construction management, and analytical problem solving. She is one of the founding principals of the professional engineering firm Bowling Mamola Group.

Mamola is a graduate of South Dakota School of Mines and Technology, where she earned a bachelor's degree in civil engineering. She is an active member of the American Society of Civil Engineers, the American Council of Engineering Companies, and the American Public Works Association.

In her speech accepting the office of NCEES President, Mamola outlined three key focus areas for the year ahead: promoting the professions of engineering and surveying, encouraging diversity, and improving professional mobility for U.S. professional engineers and surveyors domestically and internationally. She said, "When you limit the idea of who can be engineers or surveyors, or what they do, you limit what can be achieved. We must challenge those perceptions to accelerate advances in engineering and surveying."

ABOUT NCEES

The National Council of Examiners for Engineering and Surveying is a nonprofit organization made up of engineering and surveying licensing boards from all U.S. states, the District of Columbia, Guam, Puerto Rico, and the U.S. Virgin Islands. Since its founding in 1920, NCEES has been committed to advancing licensure for engineers and surveyors in order to protect the health, safety, and welfare of the American public.

NCEES helps its member licensing boards carry out their duties to regulate the professions of engineering and surveying. It develops best-practice models for state licensure laws and regulations, and promotes uniformity among the states. It develops and administers the exams used for engineering and surveying licensure throughout the country. It also provides services to help licensed engineers and surveyors practice their professions in other U.S. states and territories. ■

PLEASE NOTIFY!

The Board's law requires you to notify the Board **within 10 days** of a change of your **home address**, and **within 30 days** for a **change of employer**.

If you have changed your address or employer, please use the change-of-address form on page 7. You may also email the Board at: board@boe.state.nv.us.

The Compliance Corner

by James E. Pehrson, P.E.

Disclaimer: Every effort has been made to ensure that the following enforcement information is correct. However, this information should not be relied upon without verification from the Nevada Board office.

STATE BOARD DISCIPLINARY ACTIONS

The Nevada State Board of Professional Engineers and Land Surveyors received 30 complaints or reported violations between December 2011 and October 2013. Of those cases, 9 were dismissed by the Board, closed because of lack of evidence, or resolved between the parties. Two cases remain pending the Board's decision or direction.

Koladi Mutheri Kripanarayanan, P.E./S.E. #14351 **Case Number 201110019**

Violation of NAC 625.642 – Mr. Kripanarayanan failed to notify the State Board within thirty (30) days of the discipline imposed upon him by the Board of Professional Engineers and Land Surveyors, Department of Consumer Affairs, State of California. Mr. Kripanarayanan acknowledges that NRS 625.410(6) provides that the State Board may take disciplinary action against a licensee for discipline imposed upon that license by another state if at least one of the grounds for discipline is the same or is substantially equivalent to any grounds for discipline contained in Chapter 625 of the Nevada Revised Statutes. The original disciplinary action from the California Board involved two building projects which were submitted to the County of Riverside a total of six times, each submittal citing numerous problems.

Stipulated Agreement – November 15, 2011

1. Mr. Kripanarayanan's license as a professional engineer in the State of Nevada is placed on probation for a period equal to the probation imposed by the State of California.
2. Mr. Kripanarayanan's successful completion of his probation is expressly conditioned on his full compliance with the following conditions of probation:
3. Mr. Kripanarayanan must successfully complete his probation in the State of California.
4. During the period of probation, Mr. Kripanarayanan must notify the State Board within thirty (30) days

of any change in the discipline imposed by the State of California.

5. Mr. Kripanarayanan must notify the State Board within thirty (30) days of the imposition of discipline by any other state.
6. Mr. Kripanarayanan's compliance with the terms of probation imposed by the State of California and by this State Board is a condition precedent to the satisfactory completion of his probation in the State of Nevada.
7. Mr. Kripanarayanan shall reimburse the State Board its investigative costs and fees in the amount of \$450.

Christopher F. Halpin, P.E. (ME) #20996 and Jess Franco (Unlicensed)

Case Numbers 20110009-20110010

Violation of NRS 625.407(1)(a) and (b), NRS 625.407(3)(a), NAC 625.630 (Firm) and NRS 625.520 (1)(a) (Franco) – Mr. Halpin's firm "Celtic Energy" did not employ a full-time Professional Engineer to be in responsible charge at its Boulder City, Nevada, Branch Office. The firm also employed Jess Franco at its Boulder City Branch, who was falsely representing himself as a Professional Engineer by using the P.E. title on the company's website and public correspondence.

Decision and Order – January 27, 2012

1. Jess Franco to pay an administrative fine in the amount of \$1,000.
2. Celtic Energy to pay an administrative fine in the amount of \$1,000.
3. Celtic Energy to reimburse the State Board for investigative costs and fees incurred in this matter in the amount of \$8,000.
4. Although Christopher F. Halpin aided and abetted Jess Franco and Celtic Energy to violate Nevada laws, no administrative fine was assessed against Mr. Halpin.
5. Christopher Halpin and Celtic Energy had 30 days from January 19, 2012 to be brought into compliance with Nevada law. If Celtic Energy was not fully in compliance, Christopher Halpin's license to practice professional engineering would have been suspended. Both remain in compliance.
6. If Jess Franco and Celtic Energy did not timely pay the administrative fines and investigative fees assessed in the Decision and Order, Christopher Halpin's license as a professional engineer in the State of Nevada would be suspended and Celtic Energy's Firm Registration would be suspended. Both remain in compliance.

7. If Celtic Energy closes its Boulder City office, it must notify its Nevada clients as to the proper address to forward all correspondence.
8. If Celtic Energy decides to maintain its Boulder City office, it must immediately hire a full-time employee who is a Nevada licensed mechanical engineer to be in residence in its Boulder City Branch. The Boulder City Branch is now closed.

Laurence L. LaSerna, P.E. (EE) #17036

Case Number 201110024

Violation of NAC 625.642 – Mr. LaSerna acknowledges that he violated the provisions of NAC 625.642 when he failed to notify the State board within thirty (30) days of the discipline imposed upon him by the Texas Board of Professional Engineers. Mr. LaSerna further acknowledges that NRS 625.410(6) provides that the State Board may take disciplinary action against a licensee for discipline imposed upon that licensee by another state if at least one of the grounds for discipline is the same or is substantially equivalent to any grounds for discipline contained in Chapter 625 of the Nevada Revised Statutes. The original consent order from the Texas Board of Professional Engineer states that Mr. LaSerna provided Engineer of Record Services for several re-roofing projects that were not constructed per applicable building codes.

Stipulated Agreement, February 16, 2012

1. Mr. LaSerna must comply with the consent order entered by the Texas Board for Professional Engineers on January 18, 2011.
2. Mr. LaSerna shall reimburse the State Board its investigative costs and fees incurred in this matter in the amount of \$300.
3. Mr. LaSerna has applied to renew his license in the State of Nevada. His license will be renewed upon his timely payment of the assessed investigative costs and fees.

John Gregory Piazza, P.E. (CE) #16546

Case Number 20110025

Violation of NRS 625.642 – Mr. Piazza failed to notify the State Board within thirty (30) days of the discipline imposed upon him by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors. NRS 625.410(6) provides that the State Board may take disciplinary action against a licensee for discipline imposed upon that licensee by another state if at least one of the grounds for discipline is the same or is substantially equivalent to any grounds for discipline contained in Chapter 625 of the Nevada Revised Statutes. The original discipline by the Oklahoma Board involved a Professional

Development audit discrepancy.

Stipulated Agreement – February 22, 2012

1. Mr. Piazza must comply with the Consent Order entered by the Oklahoma State Board of Licensure for Professional Engineers and Land Surveyors on March 24, 2010.
2. Mr. Piazza shall reimburse the State Board its investigative costs and fees incurred in this matter in the amount of \$300.
3. Mr. Piazza has applied to renew his license in the State of Nevada. His license will be renewed upon his timely payment of the assessed investigative costs and fees.

CGI Technical Services, Inc., a Non-Registered Corporation

Case Number 20120002

Violation of NRS 625.407, NRS 625.520(1)(a)(1), NAC 625.425 and NAC 625.612 – CGI Technical Services, Inc. (“CGI”) performed professional engineering services in the State of Nevada without CGI first being registered as a firm offering to practice professional engineering in the State of Nevada and without having a Nevada licensed professional engineer in its full-time employ.

Stipulated Agreement – April 20, 2012

1. CGI will immediately cease and desist from practicing, offering to practice, or attempting to practice in the State of Nevada without first having a Nevada licensed professional engineer in its full-time employ.
2. CGI will immediately cease and desist from practicing, offering to practice, or attempting to practice in the State of Nevada without first being registered by the State Board.
3. CGI shall pay an administrative fine of \$500.
4. CGI shall reimburse the State Board its investigative costs and fees incurred in this matter in the amount of \$600.

David A. Marks, Formerly Licensed as a Professional Engineer, P.E. (EE) #17397

Case Number 20120007

Violation of NRS 625.520 (1)(a)(1), NRS 625.520(1)(f), NRS 625.520(1)(g), NRS 625.565(4) and NRS 625.410(7). – Mr. Marks performed professional engineering services concerning a project located in the State of Nevada after his license as a professional engineer in the State of Nevada had lapsed.

The Compliance Corner

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Stipulated Agreement – May 29, 2012

1. Mr. Marks shall pay an administrative fine in the amount of \$500.
2. Mr. Marks shall pay assessed investigative costs and fees in the amount of \$500.
3. Upon payment of the administrative fine and investigative cost and fees, Mr. Marks' license as a professional engineer in the State of Nevada will be reinstated.

Larry J. Sanchez, P.E. (CE) #15752

Case Numbers 20110026 and 20120001

Violation of NRS 625.520(1)(b), NRS 625.410(2) and NRS 625.410(5) for Complaint 20110026 and NAC 625.540, NRS 625.410(2) and NRS 625410(5) for Complaint 20120001

Complaint No. 20110026: Mr. Sanchez worked outside his licensed discipline of Civil Engineering after having been previously warned by the professional engineers employed within Clark County Development Services to practice within his licensed discipline. Mr. Sanchez ignored the prior warnings and prepared electrical and mechanical calculations and drawings for a 400 square-foot room addition that were outside his licensed discipline of civil engineering.

Complaint No. 20120001: Mr. Sanchez copied plans prepared by another professional engineer without that professional engineer's knowledge or consent and submitted those plans to a public agency.

Stipulated Agreement – June 13, 2012

1. Mr. Sanchez's license as a professional engineer in the State of Nevada shall be suspended, with the suspension stayed and the license placed on probation for a period of 24 months.
2. Mr. Sanchez's successful completion of his probation is expressly conditioned upon his full compliance with the following conditions of probation:
 - A) During the period of probation, Mr. Sanchez must timely submit reports to the Executive Director of the State Board setting forth the nature and scope of all professional engineering work performed by him during the term of his probation. The reports shall set forth in detail the nature of the project, all reference numbers assigned to that project by any governmental entity and all rejections by any governmental entity, together with an explanation of the corrections required before the governmen-

tal entity will approve the submittal.

- B) The reports will be submitted every two months commencing on June 1, 2012, and ending on April 1, 2014.
 - C) Within one (1) year of the effective date of the Stipulated Agreement, Mr. Sanchez shall successfully complete a Board-approved professional ethics course.
 - D) Mr. Sanchez will immediately cease and desist from practicing, offering to practice, or attempting to practice professional engineering services in the State of Nevada in disciplines for which he is not licensed by the State Board.
 - E) Mr. Sanchez shall pay an administrative fine of \$4,000.
3. Mr. Sanchez shall reimburse the State Board \$1,000 for investigative costs and fees incurred in this matter.

Jayme M. Malone, P.L.S. #14856

Case Number 20120003

Violation of NAC 625.642 – Mr. Malone failed to notify the State Board within thirty (30) days of the date discipline was imposed upon him by the Oklahoma Board of Professional Engineers and Land Surveyors (Oklahoma Board). Mr. Malone voluntarily surrendered his Oklahoma license with discipline pending against him before the Oklahoma Board. He disputes that discipline was imposed upon him by the Oklahoma Board.

Stipulated Agreement – July 12, 2012

1. Mr. Malone withdraws his request to renew his professional land surveyor license in the State of Nevada.
2. Mr. Malone shall reimburse the State Board for its investigative costs and fees incurred in this matter in the amount of \$450 within thirty (30) days from the date of the State Board's approval of the Stipulated Agreement.

Boyd R. Urie, P.L.S. #8614

Case Number 20120009

Violation of NRS 625.410(2), NRS 625410(5) and NAC 625.610 – Mr. Urie repeatedly submitted a Record of Survey to the City of Las Vegas that was substantially incomplete and which was rejected on five (5) separate occasions by the City of Las Vegas. The submittals made by Mr. Urie lacked boundary and title research and appeared not to have been based on actual field measurements. Mr. Urie's response candidly admitted that he had placed the monuments on the map from memory and acknowledged the deficiencies contained in the submittals made

by him to the City of Las Vegas.

Stipulated Agreement – September 24, 2012

1. Mr. Urie's license as a professional land surveyor in the State of Nevada shall be suspended, with the suspension stayed and the license placed on probation for a period of 24 months.
2. During the period of probation, Mr. Urie must timely submit reports to the Executive Director of the State Board setting forth the nature and scope of all professional land surveying work performed by him during the term of his probation. The reports shall set forth in detail the nature of the project, all reference numbers assigned to that project by any governmental entity, and all rejections by any governmental entity, together with an explanation of the corrections required before the governmental entity will approve the submittal.
3. The reports shall be submitted every two months commencing on October 1, 2012, and ending on June 1, 2014.
4. Mr. Urie shall pay assessed investigative costs of \$1,000.
5. Within one (1) year of the effective date of the Stipulated Agreement, Mr. Urie shall successfully complete a Board-approved professional ethics course.

Krishnan Ashok (Unlicensed), Marvin A. Weber (Unlicensed), M Weber Associates, a California Corporation

Case Number 20120004

Violations of NRS 625.520(1)(a)(1), NRS 625.520(1)(c), NRS 625.520(1)(g), NRS 625.410(3), NRS 625.410(5), NAC 625.631, NRS 625.407(1)(a) and (b), and NRS 625.407(3)(a) – Mr. Ashok provided professional engineering services without a license and fraudulently used another's stamp and signature without permission on at least one project and possibly multiple projects constructed in the State of Nevada. The firm did not have on staff a full-time Nevada licensed professional engineer and was not registered as a firm with the Board.

Stipulated Agreement – November 8, 2012

1. M Weber Associates will notify all relevant building departments that it did not employ a full-time engineer licensed in the State of Nevada as required by law on projects located in Nevada.
2. M Weber Associates will notify its clients for Nevada projects that it did not employ a full-time engineer licensed in the State of Nevada as required by law.
3. M Weber Associates will provide proof of the notices sent to the relevant building departments and

client(s) pursuant to the above to the State Board within ten (10) days of the State Board's approval of the Stipulated Agreement.

4. Mr. Ashok and M Weber Associates shall pay an administrative fine in the amount of \$15,000.
5. Mr. Ashok and M Weber Associates shall reimburse the State Board for its investigative costs and fees in the amount of \$15,000.

Kirk N. Ellis, P.E./S.E. #4398

Case Number 20110022

Violation of NRS 625.410, NAC 625.520 (1), NAC 625.530

(1) – Mr. Ellis inspected a building's roof system that was apparently damaged by a wind storm event. Findings indicated substantial structural damage to the building's glue-laminated roof beams. Subsequent to the inspection, Mr. Ellis's actions were determined to have placed public safety at risk by not adequately ensuring that the building was temporarily shored to protect occupants if such an event would occur again. Further, there were no written recommendations to shore the structure. There were also contractual issues regarding time and materials, communication issues with the client, and the withholding of work product in excess of one month for payment.

Decision and Order – November 19, 2012

1. Mr. Ellis shall pay \$2,500 restitution.
2. Mr. Ellis shall pay investigative costs and fees incurred in this matter in the amount of \$2,500.
3. Mr. Ellis shall take and successfully pass a Board-approved engineering ethics course.

John N. Reeve, P.E. (CE) #20903

Case Number 20120010

Violations of NRS 625.410(2), NAC 625.610, NAC 625.611

and NAC 625.612 – Mr. Reeve submitted substantially incomplete plans on four separate occasions to the City of North Las Vegas.

Stipulated Agreement – January 23, 2013

1. Mr. Reeve's license shall be suspended for a period of one (1) year, with the suspension stayed and probation imposed for the same one- (1) year period commencing on the date of the State Board's approval of the Stipulated Agreement.
2. Mr. Reeve's successful completion of his probation is expressly conditioned upon his full compliance with the following conditions of probation:
 - A) Must timely submit probation reports to the Executive Director of the Board setting forth the

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nature and scope of the professional engineering work performed by him during probation.

- B) The probation reports shall be submitted to the Executive Director on dates indicated on the Stipulated Agreement.
3. Mr. Reeve shall pay an administrative fine of \$1,000.
4. Mr. Reeve shall reimburse the State Board its investigative costs and fees in the amount of \$1,000.
5. Mr. Reeve shall take a Board-approved engineering ethics course.

William R. Lang, P.E. (CE) #20925

Case Number 20120016

Violation of NRS 625.520(1)(a)(1), NRS 625.520(1)(g), NRS 625.565(4) and NRS 625.410(7) – Mr. Lang provided professional engineering services in the State of Nevada after his license as a professional engineer had lapsed.

Stipulated Agreement – March 18, 2013

1. Mr. Lang will immediately cease and desist from practicing, offering to practice, or attempting to practice professional engineering in the State of Nevada without first being licensed by the State Board.
2. Mr. Lang shall reimburse the State Board its investigative costs and fees in the amount of \$500.
3. Mr. Lang has applied to renew his professional engineering license in the State of Nevada. Upon his full compliance of the terms and provision of this Stipulated Agreement, Mr. Lang's license to practice professional engineering in the State of Nevada shall be renewed.

Donald J. Flood, P.E. (CE) #10716

Case Number 20120017

Violation of NRS 625.410(6) – Mr. Flood reported disciplinary action imposed on his Florida license by the Florida Board of Professional Engineers on April 23, 2012. NRS 625.410(6) provides that the State Board may take disciplinary action against a licensee for discipline imposed upon that licensee by another state if at least one of the grounds for discipline is the same or is substantially equivalent to any grounds for discipline contained in Chapter 625 of the Nevada Revised Statutes. The Florida discipline allegedly originated due to an inadequate structural design for rooftop A/C units. The Florida Stipulated Agreement cited numerous flaws in the design, which included failure to adequately design

the expansion bolts, and as a result, the bolts were alleged to be overloaded per the Florida Building Code's prescribed wind loads.

Stipulated Agreement – March 27, 2013

1. Mr. Flood shall fully comply with all of the terms and provisions of the probation imposed by the Florida Board of Professional Engineers.
2. Mr. Flood shall submit to the Executive Director of the State Board his reviews by the consultant appointed by the Florida Board. The reviews shall be forwarded by Mr. Flood to the state Board within thirty (30) days from the State Board's acceptance of the Stipulated Agreement.
3. Mr. Flood shall pay assessed investigative costs and fees in the amount of \$500.

Steven J. Carlson, P.E. (CE) #15322 (Expired), and Engineering West, a Utah Limited Liability Company

Case Number 20120011

Violation of NRS 625.520(1)(a)(1), NRS 625.520(1)(f), NRS 625.520(1)(g), NRS 625.565(4) and NRS 625.410(7) – Mr. Carlson performed professional engineering services on projects located in the State of Nevada after his license as a professional engineer had lapsed.

Stipulated Agreement – April 15, 2013

1. Cease and desist from practicing, offering to practice, or attempting to practice professional engineering in the State of Nevada without first being licensed by the State Board.
2. Mr. Carlson will cause Engineering West, LLC to cease and desist from practicing, offering to practice, or attempting to practice professional engineering in the State of Nevada without the firm first being registered by the State Board.
3. Mr. Carlson shall pay an administrative fine in the amount of \$2,000.
4. Mr. Carlson shall reimburse the State Board for investigative costs and fees in the amount of \$1,000.

Kriss Garcia (Unlicensed) and Emergency Engineered Solutions, LLC, (EES), a Utah Limited Liability Company

Case Number 20120015

Violation of NRS 625.520(1)(a)(1), NRS 625.520(1)(a)(4), NAC 625.630(1)(b), NAC 625.630(2)(a), NRS 625.410(5) and NRS 625.410(3) – Mr. Garcia performed and offered to perform professional engineering services in the State of Nevada without being licensed to perform those professional services and without EES employing a full-time

licensed professional engineer in the State of Nevada.

Stipulated Agreement – July 11, 2013

1. Mr. Garcia and other representatives and employees of EES will immediately cease and desist from practicing, offering to practice, or attempting to practice professional engineering in the State of Nevada without first being licensed by the State Board.
2. EES will immediately cease and desist from practicing, offering to practice, or attempting to practice professional engineering in the State of Nevada without first having a Nevada licensed professional engineer in its employ.
3. EES shall pay an administrative fine in the amount of \$500.
4. EES shall reimburse the State Board its investigative costs and fees incurred in this matter in the amount of \$3,000.

Heinere Howard Ah-Sha, P.E. (CE) #17177

Case Number 20130003

Violation of NAC 625.260 – Mr. Ah-Sha submitted calculations to an agency for a meteorology tower over 100 feet in height. NAC 625.260 limits the design of towers over 100 feet to licensed Nevada structural engineers. Mr. Ah-Sha is a licensed civil engineer.

Stipulated Agreement – August 19, 2013

1. Mr. Ah-Sha's license shall be placed on probation for a two-year period commencing on the date of the Board's approval of the Stipulated Agreement.
2. Mr. Ah-Sha's successful completion of his probation is expressly conditioned on his full compliance of the following conditions of probation:
 - A) During the period of probation, Mr. Ah-Sha must timely submit reports to the Executive Director of the State Board setting forth the nature and scope of the professional engineering work performed by him during the term of his probation.
 - B) The reports shall be submitted on a bi-monthly basis to the Executive Director to the Board.
3. Mr. Ah-Sha shall within one year successfully take a course on engineering ethics. The course must be approved by the Executive Director of the State Board.
4. Mr. Ah-Sha shall reimburse the Board its investigative costs and fees in the amount of \$1,500.
5. Mr. Ah-Sha shall pay an administrative fine in the amount of \$1,500.

Stephen P. Maslan, P.E. #21049

Case Number 20130007

Violation of NRS 625.410(6) – Mr. Maslan reported disciplinary action against his Missouri and Kansas P.E. licenses for signing and sealing fire protection documents that were deficient, specifically citing numerous life safety issues. Missouri revoked Mr. Maslan's license, and Kansas put his license on probation for two (2) years and assessed fines and costs. NRS 625.410(6) provides that the State Board may take disciplinary action against a licensee for discipline imposed upon that licensee by another state if at least one of the grounds for discipline is the same or is substantially equivalent to any grounds for discipline contained in Chapter 625 of the Nevada Revised Statutes.

Stipulated Agreement – August 19, 2013

1. Mr. Maslan's Nevada license shall be placed on probation for the duration of his Kansas license probation pursuant to NRS 625.410(2) and NRS 625.410(6).
2. Mr. Maslan's successful completion of probation is expressly conditioned upon his full compliance with the following conditions of probation:
3. Mr. Maslan shall satisfy the terms of his probation in Kansas;
4. Mr. Maslan shall provide the Board with: (i) all probation reports provided to Kansas; and (ii) probation reports for any work performed in Nevada; and
5. Mr. Maslan shall reimburse the State Board for investigative costs and fees incurred in this matter in the amount of \$500.

Letters of Concern: This is not a sanction. It is an expression of disapproval and warning or advisement that an activity is not appropriate. It is placed in the licensee's file and becomes an aggravating factor should the particular behavior continue.

There have been five Letters of Concern issued by the Board between December 2011 and October 2013.

Cease & Desist Orders: This is an order of an administrative agency or court prohibiting a person or business firm from continuing a particular course of conduct.

Two Cease and Desist Orders were issued to individuals who were allegedly offering to perform professional engineering services without a professional engineering license.

The Compliance Corner

conclusion...

One company was issued a Cease and Desist Order for providing professional engineering services while not being registered with the Board.

There have been three Cease and Desist Orders issued by the Board between December of 2011 and October of 2013. ■

Unlocking Balance and Brilliance in the STEM Fields

by Karen Purcell, P.E.



Women who choose to follow careers in Science, Technology, Engineering and Math (STEM) disciplines face unique and frustrating challenges. Even after we establish ourselves in our careers, we continue to encounter potential career-ending traps. Not only do women in STEM careers have higher attrition rates than do their male counterparts—especially within the first ten years on the job—we also have higher attrition rates than women in other career fields.

The general belief that men outperform women in STEM fields is one of the reasons for the high attrition rate. Other reasons include cognitive gender differences, a woman's lack of interest in the STEM fields, work-life balance issues, and bias. This is an important reality to acknowledge and correct; otherwise, we will never level the playing field. Ensuring more opportunity for women in STEM careers is essential to helping our industries better serve and respond to the needs of humanity.

In the workforce, women have been closing the gender gap in both rate of employment and income nearly year after year. During the recession that started in 2008, when job loss was approaching Great Depression numbers, women held onto jobs at much higher rates than did men. Currently, women in full-time jobs make, on average, 20 percent less than do men. However, the number of women in the workforce is on the brink of surpassing the number of men for the first time in American history.

Women are gaining numbers in traditionally male-dominated fields, but they are still significantly outnumbered in STEM occupations. Men drastically outnumber

women in terms of bachelor's degrees awarded in STEM fields, which is a direct result of more men enrolling in STEM majors overall. Addressing these problems has been the first step in finding solutions. Getting talented women into male-dominated careers is one struggle, while keeping them there is another. This issue is especially apparent in STEM careers, which are extremely important to the global economy.

Attracting and retaining more women in STEM careers will help tremendously to improve diversity, maximize creativity, and boost competitiveness. Women bring a different perspective to the workplace and can help breed creativity in scientific fields that can only expand as broadly as the minds that work within them. The number of women employed in STEM fields has increased over the last few decades, but not at rates that will soon eliminate the domination in those fields by males.

Gender bias on the job is still prevalent in the workforce, although not in the same overt ways it was in the past. In order to limit gender biases, employers need to monitor their hiring practices, their work environments, and the ways in which they might be hindering gender diversity.

Possibly more than any other area, the STEM fields will greatly benefit from a more balanced male-to-female ratio. Many engineering jobs within the STEM fields focus on designing products and materials that aim to advance our experiences and allow us to live safer lives. Therefore, it is critical to have a strong female presence to ensure that products and materials are developed to benefit both genders. Without the involvement of women in these fields, product designers may easily overlook needs that are specific to women.

Examples of this are evident in the design of past products. For instance, when voice-recognition was first becoming popular, the systems were calibrated to recognize male voices because only males were designing the products. Because of this, women's voices were unrecognized when they tried to use the various systems.

Having people with different mind-sets, capabilities, and imaginations on production teams improves the creative process and helps to minimize avoidable mistakes. Products rooted in science, engineering and technology are likely to better meet the needs of both men and women if the products are designed by teams comprised of both genders. It is a matter of designing products that are compatible with a broad audience. It is a matter of safety too, and it starts with attracting more women to the promise of fulfilling and challenging STEM careers.

*Karen Purcell, P.E., is the founder and president of PK Electrical, an electrical engineering, design, and consulting firm in Reno, Nevada. She is the author of *Unlocking Your Brilliance: Smart Strategies for Women to Thrive in Science, Technology, Engineering, and Math*. ■*

VOLUNTEERS NEEDED!

**Nevada State Board of Professional Engineers
and Land Surveyors is . . .**

LOOKING FOR A FEW GOOD PEOPLE!

- Advisory Committee Volunteer
- Guest Board Member

Professional Development Hours will be given

Name: _____

Discipline: _____

License Number: _____

E-Mail Address: _____

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Employer: _____

Please indicate if you are employed by a
public agency or private firm:

Public _____ Private _____

Message Number: _____ (home)

_____ (work)

Please indicate your primary responsibility or area of practice
(i.e., land development, structures, traffic, hydrology, etc.):

Thank you for your interest in volunteering.
Please mail or fax this form with any questions to:
Nevada State Board of Professional Engineers
and Land Surveyors
1755 E. Plumb Lane, Suite 135
Reno, Nevada 89502 - Fax: 775-688-2991
or
Email to: board@boe.state.nv.us



CHANGE OF ADDRESS FORM

Date: _____

Name: _____

Lic. No. _____ Discipline: _____

RESIDENCE

Previous Address: _____

New Address: _____

Telephone: _____

BUSINESS

Previous Name: _____

Address: _____

New Name: _____

Address: _____

Telephone: _____

Preferred MAILING Address:

Business _____ Residence _____

E-Mail _____

Effective Date _____

Signature _____



**Nevada State Board of
Professional Engineers
and Land Surveyors**

1755 East Plumb Lane
Suite 135
Reno, Nevada 89502



Upcoming Board Meetings

November 14, 2013 - Reno

January 16, 2014 – Las Vegas

March 13, 2014 – Reno

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