



# NEW MEXICO BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS & PROFESSIONAL SURVEYORS

## Board Newsletter

Spring/Summer | 2024



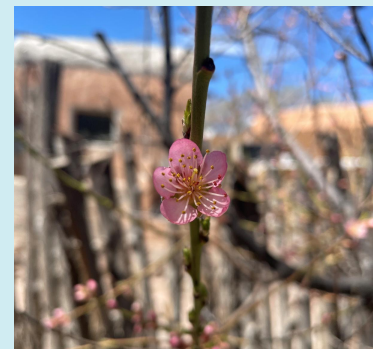
The New Mexico Board of Licensure for Professional Engineers and Professional Surveyors was established by the State Legislature in 1935.

The mission of the Engineering and Surveying Licensing Program is to regulate the practices of engineering and surveying in the State as they relate to the welfare of the public in safeguarding life, health, and property.

The purpose of the Board is to provide licensed professional engineers and licensed professional surveyors to consumers of engineering and surveying services so they may be assured that only qualified licensees are permitted to provide these services. This is done by effectively administering the Engineering and Surveying Practice Act and Rules through its Program and its major activities.

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## A Letter from the Board Chair



I hope you'll take some time to enjoy our newsletter and read about the Board's recent accomplishments, what we are currently working on, and our future endeavors.

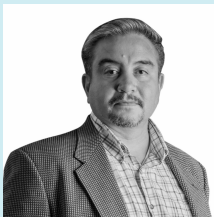
First, I'll take a moment to thank the Board Staff for all their hard work in managing the Board functions and are always on top of things and go to great extents in assisting the Board Members in everything we do. Thanks goes out to Perry Valdez, Board Executive Director; Crystal Bustamante, Budget/Finance Manager & CPO; Miranda Gonzales, Administrative Manager; Stephanie Trujillo, Financial Assistant; Jessie James, Compliance Officer; Dominique Trujillo, Licensing Administrator; and Marlene Segura, Licensing Administrator. Also, a moment of thanks to the prior Board Members that put so much work into getting the Practice Act and Sunset Act across the finish line with the State Legislature. They continue to be a wealth of knowledge and great resource to the current Board Members. Thank you Paul Brasher, Ron Bohannan, David Cooper, Dr. Walter Gerstle, Augusta Meyers, Julie Samora, Cliff Spirock, and Glen Thuroff for everything you have done.

The Sunset Act, House Bill 201, and the Practice Act, House Bill 191, were both approved in the 2023 Legislative Session. The Sunset Act extends.....

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## New Board Members

### Benjamin Aragon, PS



Benjamin Aragon was appointed as a PS Member to the New Mexico Board of Licensure for Professional Engineers and Professional Surveyors on October 21, 2022. He serves as the Chair of the Joint Practice Committee and is also a member of the Penalties and

Fees Committee.

Mr. Aragon graduated from New Mexico State University with a degree in surveying in 1996. He joined Wilson & Company, Inc., Engineers & Architects in Albuquerque, New Mexico, where he was a field surveyor, project manager, and currently.....

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## New Online Licensing System and 2024 License Renewals



The NM BLPEPS is replacing its legacy licensing system with a new solution that provides online applications, renewals, and

intends to Go-Live in-time for the 2024 license renewals.

Licenses ending with an even number will be eligible for renewal starting in October or early November. Please monitor your email for renewal notifications. Renewal notices will be sent by email to the address on file.

**Please notify the board office if your email or mailing address has changed.**

**NOTICE:** Those with Gmail accounts, be aware that emails from New Mexico State Agencies are being filtered into the spam/junk folder. Help us ensure you receive our notifications:

- Check the spam/junk folder for emails from our office.
- Add our email address to your safe list.

## A Few Reminders About Geotechnical Engineering Reports

By Marty Skyrman, P.E. NM #28733



Subsurface problems can be a main cause of construction delays, cost overruns, and

disputes. In their document "*Important Information About Your Geotechnical Engineering Report (Copyright 1998 by ASFE, Inc.)*", the Associated Soil and Foundation Engineers, Inc. (ASFE) (now the Geoprofessional Business Association (GBA)) issued guidance regarding use and interpretation of geotechnical reports to help manage risk. While not comprehensive, below are some key points to keep in mind:

- **The geotechnical report is prepared solely for the client.** Geotechnical.....

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**Emilie Dohleman, PE**



Emilie Dohleman, PE, was appointed as a PE Member to the Board of Licensure for Professional Engineers and Professional Surveyors on October 21, 2022, and is presently serving as the Board Vice-Chair. She also serves on the Executive Committee, Joint Practice Committee, and the Legal Enforcement Committee.

Ms. Dohleman received a Bachelor of Science degree in Civil Engineering from Montana State University and a Master of Science degree in Civil Engineering from the University of Minnesota. She obtained her PE license in Oregon in 1983 and has been licensed in New Mexico since 1993. She is a Life Member of the American Society of Civil Engineers (ASCE). Most of her career has been focused on the design and construction of utility infrastructure, and she has worked on projects throughout the state.....

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**Elizabeth McNally, PE**

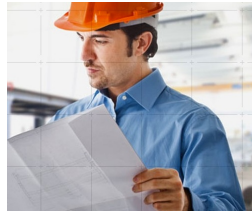


Elizabeth Dziweczynski McNally was appointed as a PE Member to the New Mexico Board of Licensure for Professional Engineers and Professional Surveyors on October 21, 2022, and is presently serving as Vice-Chair on the Professional Engineering Committee. She also serves as Chair of the Public Information, Examination and Licensure Promotion Committee.

Ms. McNally received a B.A. in Cultural Anthropology from University of Minnesota in 1989 and a B.S. in Environmental Engineering from New Mexico Tech in 1996. She has been a licensed Professional Engineer in New Mexico since 2002 and is also licensed in Arizona, Colorado, and Utah.....

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**Professional Milestones: PE Licensure  
By Yufei Wang, Ph.D., P.E. NM #29039**



I am thrilled to share a major accomplishment in my career a milestone that has truly shaped my professional trajectory. This

year, I proudly obtained my Professional Engineer (P.E.) license in chemical engineering, signifying a substantial advancement in my expertise and responsibilities within the field. As a young professional with a nuclear engineering and chemical engineering background specializing in materials separation, this achievement has been pivotal in refining my skills and enhancing my contributions to ongoing projects. I attribute this success not only.....

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**Professional Milestones: When Is It Time to Exit the Profession?  
By Charlie Trask, P.E. NM #6876**



I was born in Los Alamos, New Mexico, in 1948. Since Los Alamos didn't formally yet exist, our birth

certificates were filed in Bernalillo, New Mexico. My dad was one of the first "Professional Engineer & Land Surveyors" registered in New Mexico and one of the first members of New Mexico Society of Professional Engineers (NMSPE). I graduated from Los Alamos High School in 1966 and the University of New Mexico in 1971 with a Bachelor of Science in Civil Engineering. I got my EIT #1071 in March 1971 and PE #6876 in April 1979. I became an advocate for traffic safety and spent my career working on traffic studies, traffic safety improvements, and .....

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# The Origin of Engineering Ethics

## By Dave K. Adams, P.E. NM #28805



In May 1922, mechanical engineering professor Alexander Graham Christie (Johns Hopkins University) wrote an article entitled "A Proposed Code of Ethics for Engineers" (*Christie, A. G. (1922). A Proposed Code of Ethics for All Engineers. The ANNALS of the American Academy of Political and Social Science, 101(1), 97-104. <https://doi.org/10.1177/000271622210100115>*), in which he reminded his readers that the profession of engineering was (still) slow in becoming recognized as a true

profession, or even a true business. He explains that a professional career implies a sense of responsibility to the public, and that a well understood code of ethics must be recognized by the public so that they know what to expect from members of that profession. The work of an engineer advances social objectives, and it is not enough for us to simply say "trust me" – the public requires something more foundational and definitive: A properly constructed and vetted code of ethics.

Two of the most well-known professions in history, medicine and law, have had published ethical standards for centuries, whereas the first recognized professional engineering society can only be traced back to 1818 (Institution of Civil Engineers, England). Its members recognized a need for their own ethical standards that could be accepted by society, but the first attempt at codification did not happen until December 1920, when a committee of the American Society of Mechanical Engineers prepared a draft version of a code of ethics for.....

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## NM BLPEPS NEWS



Perry Valdez, Executive Director, accepted the Distinguished Service Award at the NCEES Western Zone Interim Meeting held April 27-29, 2023, in Houston, TX.



Karl Tonander, PE, Board Member and NCEES Treasurer, presenting the Financial Report at the NCEES Western Zone Interim Meeting held May 16-18, 2024, in Bozeman, MT.



Board Members in attendance at the NCEES Western Zone Interim Meeting held May 16-18, 2024, in Bozeman, MT (in order from left to right): Dr. Ahmed Elaksher, Elizabeth McNally, and Maxine McReynolds.



Perry Valdez, Executive Director, Emilie Dohleman, PE, Board Vice-Chair, Joe Barela, PE Investigator, with Richard Martinez, PE, NMSPE President Elect, in attendance at "**The Order of the Engineer**" held April 29, 2024, at UNM Main Campus, in Albuquerque, NM.

# Successful Examinees

August 4, 2022, through May 16, 2024

## Fundamentals of Engineering (FE)

The FE exam is the first step to becoming a licensed Professional Engineer (PE).

The NM BLPEPS would like to congratulate the following examinees who passed the FE exam.

### FE PASSING EXAMINEES

## Fundamentals of Surveying (FS) Examinees

The FS exam is the first step to becoming a licensed Professional Surveyor (PS).

The NM BLPEPS would like to congratulate the following examinees who passed the FS exam.

### FS PASSING EXAMINEES

## Principles and Practice of Engineering (PE) Examinees

The NM BLPEPS would like to congratulate the following examinees who passed PE exam.

Their dedication to completing the path to professional licensure sets an example for the next generation of engineers.

### PE PASSING EXAMINEES

## Practice of Surveying (PS)

The NM BLPEPS would like to congratulate the following examinees who passed the PS exam.

Their dedication to completing the path to professional licensure sets an example for the next generation of surveyors.

### PS PASSING EXAMINEES

## Honor Cords



In May 2018, the NM BLPEPS was the first in the nation to begin a new program to recognize New Mexico students who passed the fundamentals of engineering (FE) or fundamentals of surveying (FS) prior to their graduation. The Board provides those graduates with a red and yellow honor cord to wear with their graduation gown and tassel along with the honor cords received from their university. The colors were selected to represent the state of New Mexico. There are three participating NM universities; University of New Mexico, New Mexico Institute of Mining and Technology, and New Mexico State University.

The following graduates passed the FE or FS prior to graduation and were provided with a red and yellow honor cord:

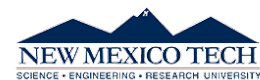


**FE Exam**  
Ethan Kapp  
Jack Hunter Dugan VMd.  
Mehedi Hasa



**FE Exam**  
Brandon Ricardo Darrow  
Juan C. Solis  
Ulisses Trevizo Tena  
Tanner Nielsen  
Quinn James Fredine  
Omar Gumaro Munoz  
Santiago Andres Archuleta  
Cristian E. Sanchez  
Alexis Mariah Andrade

**FS Exam**  
Tanner James Ireland



**FE Exam**  
Gage Ellis  
Justin Barker  
Matthew Tyrrell  
Eric Fielenbach  
Kaleb Jewett  
Eric Nunez  
Derek Plummer  
J. C. Nickerson  
Nicholas Hutt  
David Padilla  
James Montoya  
DawnMarie Cantu



# In Memoriam

Allen Grace, PS  
Delbert Andrew Rapier, PE  
Golden Lane, PE  
Kerry Griener, PS  
Mervin Snowden, PE  
Michael Willis, PE  
Paul Armijo, PS  
Roxanne Nimmer, PS  
Richard R. Pettigrew, PE/PS

## Save the Date

- NM BLPEPS **Regular Board Meeting** will be held June 6-7, 2024, in Santa Fe, NM
- The NMSPE Annual Meeting will be held June 28, 2024, at the UNM Continuing Education Center, Albuquerque, NM.
- The NCEES Annual Meeting will be held August 14-17, 2024, in Chicago, Illinois
- The NMSPE Issues Conference will be held in November 2024. Details to be announced @ <https://nmspe.org/>

If you would like to write an article for our Newsletter, please email [info@blpeps.nm.gov](mailto:info@blpeps.nm.gov).



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