



PCPG

Pennsylvania Council of Professional Geologists
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PG Review Course for the Practicing Geologist & ASBOG® Exam Prep Virtual Webinar Series: Summer 2022

Presented in conjunction with
the Pittsburgh Geological Society



Thursday, August 11, 2022 - Part Six: 6:00-8:30 PM

Economic and Resources Geology: Petroleum and Coal (75 mins.)

Kristin Carter, PG, DCNR Geologic Survey

Kristin M. Carter, P.G. (PA Geological Survey) - Kristin serves as Assistant State Geologist of the Pennsylvania Geological Survey (PAGS) and manages the Survey's Economic Geology Division. Kristin has worked as a petroleum geologist for the Survey since 2001, and her current research efforts involve unconventional petroleum reservoir and storage reservoir characterization, subsurface stratigraphy and carbon capture utilization and storage. Prior to joining PAGS, Kristin worked as a consulting hydrogeologist in the private sector, managing projects throughout the Appalachian region. Kristin holds a Master of Science degree in Geological Sciences from Lehigh University and a Bachelor of Science degree in Geology/Environmental Science (double major) from Allegheny College. Kristin passed the Pennsylvania Professional Geologist test in 1998 and is acknowledged as a Certified Petroleum Geologist by the American Association of Petroleum Geologists.

Economic and Resources Geology: Mining (75 mins.)

Barb Dunst, PG, C.P.G., Musser Engineering, an EarthRes Company

Barbara J. Dunst, P.G., C.P.G. (Musser Engineering, an EARTHRES Company) - Ms. Dunst is a Licensed Professional Geologist in PA and a Certified Professional Geologist from the American Institute of Professional Geologists with over 35 years' experience primarily in underground coal mining and shale gas. Currently employed by Musser Engineering as a Senior Regional Director, Hydrogeology, Barb does mine permitting, data analysis and reserve studies for the coal and non-coal mining industries. Barb started her career as an exploration geologist in PA, MD, and WV for surface and underground coal mining. She has worked for several environmental consulting firms evaluating geologic and hydrologic impacts from mining along with managing numerous hydrogeologic investigations in multiple states for landfill design and waste disposal contamination. Ms. Dunst also worked for the PA Department of Environmental Protection as a lead reviewer on underground coal mine permitting and helped draft the initial non-coal mine regulatory technical guidance documents.

Ms. Dunst has participated on numerous statewide committees including the Marcellus Shale Coalition task force to help draft Act 214 of 2011, requiring coordination between coal mine and gas well operators. Barb worked on the PA Technical Advisory Board Coal-Gas subcommittee with industry professionals, state and federal regulators to conduct a coal pillar field study that established procedures and mining limits to natural gas wells drilled into active coal mines. Barb is the immediate past-president of the PA Council of Professional Geologists, past president and vice president of the PA Mining Professionals, past member of the PA Coal Association underground regulatory committee and current member of the Women's Energy Network.