

June 17, 2019

The Honorable Tom Wolf
Governor
Commonwealth of Pennsylvania
225 Main Capitol Building
Harrisburg, Pennsylvania 17120

Dear Governor Wolf,

We, the undersigned concerned citizens and organization leaders, are writing to call on you to direct your Department of Health to immediately begin an investigation into cancers diagnosed in all counties where shale gas drilling, fracking and infrastructure buildout has occurred following the recent Pittsburgh Post-Gazette series "Human Toll: Risk and exposure in gas lands." This is a public health crisis that requires immediate and significant action. We further call on you to suspend permitting of gas drilling activities until it has been demonstrated that shale gas activity was not the cause.

The investigative reporting by the Pittsburgh Post-Gazette has identified that at least 46 children in Fayette, Greene, Washington, and Westmoreland counties have been suffering from rare forms of cancer since 2008. That report documents at least 27 cases of Ewing sarcoma, a rare bone cancer that only affects between 200 and 250 people across the entire country each year. The reporting has confirmed 13 deaths of children and young adults from cancer in this time period. The reporting does not include cases of adults, or cases diagnosed in other counties where drilling has occurred. Obviously, this high number of cancer cases among children in four counties in southwest Pennsylvania over the last eleven years is not only heartbreaking but extremely unusual.

These four counties overlie the Marcellus and Utica Shales and have been the center of the buildout of gas drilling and fracking and the associated infrastructure for the past 15 years. Just over 9,000 wells have been drilled in these counties since 2004, and your Department of Environmental Protection continues to issue additional permits.

Scientific evidence about the harmful toxic chemicals used in gas drilling and fracking activities strongly suggest a connection. Many of the chemicals used in these activities are known carcinogens and many pose a particularly high risk to children and at-risk populations. Numerous peer-reviewed public health studies have found gas drilling and fracking activities associated with low birth weight babies, birth defects, asthma and other respiratory issues, increased rates of hospitalization, and various other health impacts.¹

¹ https://www.psr.org/wp-content/uploads/2018/04/Fracking_Science_Compendium_5.pdf
<https://jhu.pure.elsevier.com/en/publications/associations-between-unconventional-natural-gas-development-and-n>
<https://www.ncbi.nlm.nih.gov/pubmed/27428612>
<https://www.ncbi.nlm.nih.gov/pubmed/26426945>
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0131093>
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0126425>
<https://ehp.niehs.nih.gov/doi/10.1289/ehp.1307732>
<https://ehp.niehs.nih.gov/doi/10.1289/ehp.1307866>

For instance, a Yale study found that at least 55 chemicals used in the fracking process are known, probable or possible carcinogens.² The study's authors stated that their findings "support the need for investigation into the relationship between [Unconventional Oil & Gas] development and risk of cancer in general and childhood leukemia in particular." Numerous studies have found dangerous levels of air pollution, including carcinogens, associated with drilling, fracking, and infrastructure sites.³

This ongoing public health crisis calls for immediate action. The Editorial Board of the Pittsburgh Post Gazette recently called on state officials to conduct an investigation into the childhood cancer cases. We also call on you to direct your Department of Health to begin a formal investigation into the cause of these childhood cancer cases and to stop issuing permits for drilling and fracking in the state while this investigation commences.

Cc: Dr. Rachel Levine, Secretary of Health, PA Department of Health

Sincerely,
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Representative Sara Innamorato (D-21)
Representative Summer Lee (D-34)
Representative Chris Rabb (D-200)
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Organizations:

350.org
350 Bucks County
350 DC
Action Together NEPA
Allegheny County Clean Air Now
Alliance for sustainable communities Lehigh Valley
Beaver County Marcellus Awareness Community
Berks Gas Truth
Better Path Coalition
Beyond Extreme Energy
Breathe Easy Susquehanna County
Bucks County Concerned Citizens Against the Pipelines
Bucks County Sierra Club

² <https://www.sciencedirect.com/science/article/pii/S0048969716322392>

³ <https://ehjournal.biomedcentral.com/articles/10.1186/1476-069X-13-82>
<https://jamanetwork.com/journals/jamainternalmedicine/fullarticle/2534153>
<https://www.sciencedirect.com/science/article/pii/S1352231015002800>

Bucks Environmental Action
Camp White Pine
Chester County Marching Forward
Citizen's Alliance Upholding a Safe Environment
Citizens To Preserve Ligonier Valley
Climate Reality Project Lehigh Valley Pa Chapter
Climate Reality Project: Pittsburgh & SWPA Chapter
Climate Reality Project: Susquehanna Valley PA Chapter
Coalition for Peace Action
Concerned Citizens of Lebanon County
Concerned Health Professionals NY
Damascus Citizens for Sustainability
Delaware Riverkeeper Network
Earth Action, Inc
East Run Hellbender Society, Inc.
EcoJustice Working Group Thomas Merton Center
Edgmont Community Safety Coalition
Elk County C.A.R.E.S.
Fawn Against Marcellus
Food & Water Watch
Frack Action
FracTracker Alliance
FreshWater Accountability Project Ohio
Gas Drilling Awareness of Luzerne County Pa
Gas Truth of Central PA
General Board of Church and Society - United Methodist Church
Goshen United for Public Safety
Green Amendments For The Generations
Green Party of Allegheny County
Green Party of Butler and Venango Counties
Green Party of Delaware County Pennsylvania
Greenfield Neighbors for Clean Air
Groundswell Rising
Hershey Indivisible Team
Hold Erie Coke Accountable
Indivisible Berks
Indivisible: Narberth and Beyond
Indivisible We Rise
Institute of Policy Studies
Ivy Lane Alliance
Izaak Walton league, Allegheny Chapter
Juniata Watershed People Before Pipelines
Lancaster Against Pipelines
Lancaster County Green Party
LAWPA
Lawrenceville Clean Air Now
Lebanon Pipeline Awareness
Livelihoods Knowledge Exchange Network

Marcellus Outreach Butler
MarchOnHarrisburg
Mudlick Farm
NASRO Administrators Inc.
Neighborhood Networks
Neighbors Against the Gas Plants
New Mexico Interfaith Power & Light
NoPetroPA
Northumberland Presbytery
Ohio Interfaith Power & Light
Oil Change International
Order of the Phoenix Grassroots Activist Network
Paradise Gardens and Farm
Partners for Progress SWPA
Patriots From The Oil & Gas Shales
PennEnvironment
Pennsylvania Alliance for Clean Water and Air
Pennsylvania Council of Churches
Philly Talks Climate
Physicians for Social Responsibility - Pennsylvania
Physicians for Social Responsibility Philadelphia
Pottstown Area Branch, AAUW
Project Coffeehouse
Protect Elizabeth Township
Protect Franklin Park
Protect PT
Quittapahilla Watershed Association
Responsible Drilling Alliance (RDA)
Save Carbon County
Save Our Streams PA
Save the Allegheny
Schuylkill Pipeline Awareness
Sisters of St. Joseph of Baden, PA
South Coast Neighbors United
Southwest PA NOW
Southwest Pennsylvania Environmental Health Project
Sisters Of St. Joseph
Sunrise Lehigh Valley
SustainLV.org
Sustainable Monroeville
Sustainable Sewickley
The Go-Back Club
The Rachel Carson Council
Thomas Merton Center Eco-Justice Group
Unitarian Universalist Church of the South Hills Green Sanctuary Committee of Pittsburgh
Unitarian Universalist Ministry For Earth
Unitarian Universalist Pennsylvania Legislative Action Network
Unitarian Universalist Pennsylvania Legislative Advocacy Network

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Westmoreland Marcellus Citizens' Group
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Luke Bauerlein, Phoenixville , PA
Lyn Ferguson , Clarion , PA
Lynn Bryant, Monongahela, PA
Lynn Glorieux, Pittsburgh, PA
Lynn Patsiga , New Brighton , PA
Lynn Strauss , West Chester , PA
Lynne and Bert Strieb, Philadelphia, PA
M Freiberg, Narberth, PA
Madeline Rawley, Doylestown, PA
Madison Arnold-Scerbo, Red Lion, PA
Mae Sterrett, Kennett Square, PA
Mala Shah, Pittsburgh, PA
Mara Obelcz , Hatfield , PA
Marc A. Schermer, Pittsburgh, PA
Marcia A Eddy, Leighton, PA
Marcia Berry, New Cumberland, PA
Marcia Godich, Trafford, PA
Marcia Lehman, Ambridge, PA
Maren E Morgan, Lancaster, PA
Maren Leyla Cooke, Pittsburgh, PA
Margaret Baco, Pittsburgh , PA
Margaret Carrow, Harrisburg, PA
Margaret Cronin, Williamsport, PA
Margaret J Forbes, Pittsburgh, PA
Margaret Manges, Pittsburgh, PA
Margaret McConnell, Willow Street, PA
Margaret Quinn, Exton, PA

Margaret Reiter, Saylorsburg, PA
Margaret Schmidt, Pittsburgh, PA
Margery Stone, Shelocta, PA
Mari McShane, Pittsburgh, PA
Marian Smith, Baden, PA
Marian Szmyd, Jeannette, PA
Marilyn Giorgio-Poole, Ligonier, PA
Marilyn Sullivan, Freedom, PA
Marion Tavernaris, Conway, PA
Marjorie Powers, Newtown, PA
Mark A. Givler, Jersey Shore, PA
Mark Barbash, Phila., PA
Mark D. Ungemach, Landenberg , PA
Mark Fichman, Pittsburgh, PA
Mark Price, Carlisle , PA
Marsha Brofka-Berends, Exton, PA
Marshall Dayan, Oakmont, PA
Marta Pelusi, Pittsburgh, PA
Martha Slagy, Buena Vista, PA
Martín Perna, Pleasant Gap, PA
Mary Ann C Sheldon, Narberth, PA
Mary Anne Morefield , Mechanicsburg, PA
Mary Daniels, Philadelphia, PA
Mary E. Paul, Avondale, PA
Mary Elizabeth Steisslinger, Pittsburgh, PA
Mary Greco , New Brighton, PA
Mary Guzowski, Pittsburgh, PA
Mary Jo Weishampel, Wernersville, PA
Mary Krueger, West Chester, PA
Mary M. Rush, Pittsburgh, PA
Mary McCloskey , West Chester, PA
Mary McMahon, Philadelphia, PA
Mary McNulty , Bethel Park , PA
Mary More, Flourtown , PA
Mary Russin, Lewisburg, PA
MaryAnn Koch, Murrysville, PA
Maryann Maffei, Pittsburgh, PA
MaryCatherine Lowery, Norristown, PA
MaryEllen DavidsonDavidson , Reading , PA
Matthew Cleveland, Elizabethtown, PA
Matthew Federici, West Chester, PA
Matthew Rissmiller, HARRISBURG, PA
Matthew Zencey, West Chester, PA
Maureen Ann Graham, Yardley, PA
Maureen Esposito, North Wales, PA
Maureen Mueller, McDonald, PA
Maureen Spokas , West Chester , PA
Max Riben, Bushkill, PA

Megan Dietz, Pittsburgh, PA
Melinda Guinn, Pittsburgh, PA
Melisa Romano, Havertown, PA
Melissa Mahony, Doylestown, PA
Melissa Schuette, Pittsburgh, PA
Meredith Haab, Philadelphia, PA
Meredith Juchniewicz , Pittsburgh, PA
Micaela Amateau Amato, Boalsburg, PA
Michael Bickell, New Hope, PA
Michael D. Zimmermann, New Holland, PA
Michael Lombardi, Levittown, PA
Michael Marks, Ardmore, PA
Michael Shaw, Kutztown, PA
Michael Simms, Pittsburgh, PA
Michaelyn Mohr, Orefield , PA
Michele Cronin, Philadelphia, PA
Michele Fetting, Pittsburgh, PA
Michele Harkins, Glenside, PA
Michele Reese, Reading, PA
Michelle Alvare, Havertown, PA
Michelle Rodino, State College, PA
Michelle Rooney, Montoursville, PA
Michelle Zimmerman, Canonsburg, PA
Mieczyslaw F Gniadek, Finleyville, PA
Mike Kelly, St. Marys, PA
Mina Sandusky, Connellsville, PA
Mindy Kornhaber, State College, PA
Mindy Roman, Canonsburg , PA
Miranda Reich, Canonsburg, PA
Miriam E Lindauer, Bethel Park, PA
Monty Kane, Pittsburgh, PA
Mordechai Liebling, Philadelphia, PA
Morris Taylor , Newfoundland, PA
Muriel Clifford, Philadelphia, PA
Nancy Anderson, Philadelphia, PA
Nancy Hanley-Moyer , Wyomissing, PA
Nancy Harkins, West Chester, PA
Nancy J Hemberger, Reading, PA
Nancy Murphy, Chester Springs, PA
Nancy Ranone, Canonsburg, PA
Nancy Regetta , Philadelphia, PA
Nancy Roecker Coates, Ambler, PA
Nannette Croce, Haverford, PA
Naomi Weisberg Siegel, Pittsburgh, PA
Nathaniel Yap, Pittsburgh, PA
Neil B. Haagen, Bellefonte, PA
Neill Simakas, Sewickley, PA
Nica Ross, Pittsburgh, PA

Nicole, Pottstown , PA
Nicole Toizer, Glenside, PA
Nicole Wilson, Canonsburg, PA
Nicole Zeiler , Buena Vista , PA
Nina Baker, York, PA
Nora Johnson, Pittsburgh, PA
Noreen McCarthy, Pottstown, PA
Olga Bobish, Aliquippa, PA
Olivia Bennett, Pittsburgh , PA
Olivia Cummings, Henryville, PA
Olivia Salerno-DeWald, Philadelphia, PA
Orly Aridor, Pittsburgh , PA
PA, Yardley, PA
Paige DeWitt, Pittsburgh , PA
Paige May, Dallas, PA
Pamela A McIntyre, Ocean City, NJ
Pamela Briskar, Pittsburgh, PA
Pamela G Hemphill, Watontown, PA
Pamela Parson, Harrisburg, PA
Pamela Shafto , Media, PA
Patrice Popovic , Key West, FL
Patricia Passeltiner, Pittsburgh, PA
Patricia M. Snow, Elverson, PA
Patricia Sonne, Bethlehem, PA
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Paul Burroughs , Erie, PA
Paul Eaken, Reading, PA
Paul Murdoch, Pottstown, PA
Paul Palla , Greencastle , PA
Paul Parowski, Richfield, PA
Paula Brandl, Exton, PA
Paula Hesse, State College, PA
Paula MacDonald, Honesdale, PA
Paula Soto , Beaver, PA
Pauline Beck, West Middlesex, PA
Peggy Hartzell, Glenmoore, PA
Penny Willis, New Galilee, PA
Peter Black, Pittsburgh, PA
Peter Bond, Bethlehem, PA
Peter Buckland, State College, PA
Peter Deutsch, Aliquippa, PA
Philip Ruth, Bellefonte, PA
Phoebe Turner, kennett square, PA
Phyllis Barber, Pittsburgh , PA
Rachel Mark, Hummelstown, PA
Rachel Rakovan, Pittsburgh , PA
Rachel Saviano , Glenmont , NY
Rachel Spina, Media, PA

Rae JoAnn, Ambler, PA
Rajani Vaidyanathan, Pittsburgh, PA
Randolph Wein, Milford, PA
Randon Simmons, Hermitage, PA
Randy Driver, Portage, PA
Raylene Demorest, State College, PA
Rebecca Studer, Pittsburgh, PA
Rebecca Weidler , Downingtown , PA
Regina Curley , West Chester, PA
Regina Long, Exton , PA
Reid Joyce, Valencia, PA
Renee Abrams, Pittsburgh, PA
Renee Grant, Pen Argyl, PA
Reuben Wade, Philadelphia, PA
Richard Bartoletti Mr, Carmichaels , PA
Richard Johnson, Curwensville, PA
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Riley Mahon , Pittsburgh , PA
Rina Malerman, Jenkintown, PA
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Robert, Wilkes-Barre, PA
Robert , Covington Twp , PA
Robert D. Missimer Jr., Malvern, PA
Robert Abraham, Pittsburgh, PA
Robert D. Foster, Quakertown, PA
Robert Dous, Mcadoo, PA
Robert Hansberry , York, PA
Robert Janusko, Bethlehem, PA
Robert Keesey , New Berlinville, PA
Robert Schmetzer, South Heights, PA
Robert Ziller, Wilkinsburg, PA
Roberta Heydenberk, Richlandtown, PA
Roberta Lewis, West Chester, PA
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Robin LaSon, Lititz, PA
Robin Spurlino, Downingtown, PA
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Ronald Hill, West Grove, PA
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Rosalind Holtzman, Elkins Park, PA
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Rosemary Cassidy , Chadds Ford, PA
Rosemary Frain, Holland, PA
Rosemary Schmider, Aliquippa, PA
Rosenoelle Halter, Schwenksville, PA

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Ruth Steck, Pennsdale, PA
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Sabrina Wojnaroski, Pittsburgh, PA
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Sandra Bauer, Wayne, PA
Sandra Begler, Pittsburgh , PA
Sandra Folzer, Philadelphia, PA
Sandra Goodwin, Monroe Township, PA
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Sandra Sacconi, Greenock, PA
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Sara Goodkind, Pittsburgh , PA
Sara Narva, Philadelphia, PA
Sara Steele , Philadelphia, PA
Sarah Caspar, Downingtown, PA
Sarah Everett, Erie, PA
Sarah Hertweck, Glenshaw, PA
Sarah Nokes-Malach, Pittsburgh, PA
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Sarah Rattigan, Pittsburgh, PA
Sarah Stulga , West Mifflin , PA
Saundra Petrella, Beaver, PA
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Scott Smith, Pittsburgh, PA
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Shannon Kiehn, Woodburn, OR
Shannon Wagner, Hegins, PA
Shannon Walsh, Pottstown, PA
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Sharon Fagan McDermott, Pittsburgh, PA
Sharon Furlong , Feasterville , PA
Sharon J Davis, Bangor, PA
Shawn Towey, Phoenixville, PA
Sheela Jane Menon, Carlisle, PA
Sheena Pampani , California, PA
Sheila Conry, Castle Shannon, PA
Sheila Weis Scanlon, Sewickley , PA
Shelby Ashley, East Stroudsburg, PA

Shelley Durbanis , Glenmoore , PA
Sherlene Evans, Reading , PA
Sherri Fryer, Clymer, PA
Shirley Chilcott , Butler , PA
Stacey Marchig, Philadelphia, PA
Stacy Mitrik , Canonsburg , PA
Stephanie Martin, Red Lion, PA
Stephanie Meraklis, Drexel Hill, PA
Stephanie Myers, York, PA
Stephanie Sloman, Pascoag, RI
Stephanie Ulmer, Pittsburgh, PA
Steve Todd, Mechanicsburg, PA
Sue Mulvey, Sharon, PA
Sunila Fadl , Venetia, PA
Sunshine Homner, New Castle, PA
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Susan Britton-Seyler , Chester Springs , PA
Susan Clee, Kimberton, PA
Susan Durko, McMurray, PA
Susan Goodfellow, Pittsburgh, PA
Susan Hardin, West Chester , PA
Susan Hicks, Pittsburgh, PA
Susan Hill, Douglassville, PA
Susan Jones-Sink, New Cumberland, PA
Susan M Rosso, Malvern, PA
Susan Mancino, Allentown, PA
Susan Mangigiam, West Chester, PA
Susan O'Hanlon, Downingtown, PA
Susan P McAnally , Philadelphia, PA
Susan Richards, Ardmore, PA
Susan Rubinstein, MPH, Havertown, PA
Susan Shaak, Reading, PA
Susan Shaak, Reading, PA
Susan thompson, Philadelphia, PA
Susanne Groenendaal, State College, PA
Suzanne Hall, Mont Alto, PA
Suzanne Hunter, Glenside, PA
Suzanne Kause, Pittsburgh, PA
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Tamara Bauer, SEWICKLEY, PA
Tamara Clements, Merion Station, PA
Tammy Krumbhaar , Glenmoore , PA
Tanya Seaman, Philadelphia, PA
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Tara Zrinski . , Bethlehem , PA

Tatyana Gershkovich, Pittsburgh, PA
Tawnya Weidinger , Canonsburg , PA
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Terry Schultz, Glenmoore, PA
Theresa Baker, Mountville, PA
Theresa Black, Lake Ariel, PA
Theresa Comerford, Doylestown, PA
Theresa Kaplan, Waverly, PA
Thomas A. Sweet, Harrisburg, PA
Thomas Crown, Pittsburgh, PA
Thomas H. Pritchett, Easton, PA
Thomas Sears, Buckhannon, WV
Thomas Tamberelli , South Williamsport , PA
Thomasina Webb Wilson, Spring City, PA
Tiffany Stair, West Chester , PA
Tim Coles, Harrison City, PA
Tim Mahoney, Pequea, PA
Tim Spiese , Pequea, PA
Timothy Beckham, Erdenheim, PA
Timothy Seitz-Brown, Spring Grove , PA
Tina Tickle, Muncy, PA
Tom Hocking, Lebanon, PA
Tony Paglia, Mercer, PA
Tracee Olver, Harrisburg, PA
Tracey Birdseye, Greensburg , PA
Travis Foster, State College, PA
Tris Ozark, Pittsburgh, PA
Valeri Fornagiel, Wellsboro, PA
Valerie A Piontek, Pittsburgh, PA
Valerie Berg, Reading, PA
Valerie Bloom, Glenside, PA
Valerie Klauscher, Crescent, PA
Vasile D Chiorean, Fallsington, PA
Veronica Gabriel, M.D., Flourtown, PA
Veronica Liebert , Drexel Hill , PA
Victor Colonna , Beaver Falls, PA
Victor Tweed, Long Beach, CA
Victoria Cox, Pottstown, PA
Vincent Prudente, Philadelphia, PA
Vincent Smith, Jenkintown, PA
Virginia Hildebrand, Mountain Top, PA
W. Andrew Stover, Chambersburg, PA
Walt Hug, Birdsboro, PA
Walt Jeranek , Warrington , PA
Wayne K. Frank, Pittsburgh, PA
Wendi Taylor, Camp Hill, PA
William C Downs, Havertown, PA

William Fleischman, Ardmore, PA
William Henry, Clinton, PA
William J. Granche, Ridgway, PA
William Maruca, Wexford , PA
Winifred J. Schlouch, Mohnton, PA
Yolanda Perry , Harrisburg , PA
Yolanda Stern Broad, Ph.D., Indiana, PA
Zandra Price, Philadelphia, PA
Zofia Chrzan, New Hope, PA