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Dear Commissioners,

My concern regarding the plethora of fracking and webs of pipelines eating up the American landscape cannot be overstated. Although a moratorium has been placed on fracking in New York State with good reason, fracked gas pipelines are burrowing their way through our towns and farms, emanating from the shale fields of Pennsylvania, putting all of us at risk. As a close neighbor directly affected by what happens in your area, I demand a total moratorium on fracking in the Delaware Basin.

Duke University researchers announced in January that they are finding radioactivity in Pennsylvania sediment from a Pennsylvania stream near a plant where fracking waste is treated. Science is still catching up with the damage fracking has done everywhere it's been done. Meanwhile, the Intergovernmental Panel on Climate Change has said, "Climate change challenges the traditional assumption that past hydrological experience provides a good guide to future conditions." Michael Mann says that it would be a mistake to see extreme weather events as the 'new normal'. What we are dealing with is an "ever-shifting baseline." "So, there isn't a new normal," he explains. "Things get continually worse if we go down this highway." We are dealing with many unknowns and when we do learn something, it's never good news. There are no bases except political expedience and greed that advocate for doing anything but banning all fracking related activities.

Pennsylvania's Wolf administration talks about a 100-year cycle of shale gas development. At present, there are about 10,000 wells in the ground. The industry's goal is 100,000 wells. In the past ten years, more than 300 confirmed cases of water contamination have occurred. Some of those cases involve several families. More than 9,400 complaints have been filed with the DEP. More than 4,400 of those are water-related. Most have gone unaddressed. More than 1200 peer-reviewed studies have identified wide-ranging health effects already impacting Pennsylvanians. Dead cattle and fish kills are just some of the indications that shale gas development is affecting our farm animals and wildlife. Quality of life is all but gone for many in the shale fields and the many more who now spend every available minute fighting pipeline and infrastructure projects. And all of that and much, much more is what has happened just ten years in. Any action by the DRBC that enables an industry that has done so much to harm

Pennsylvanians in just ten years and exposes the basin to the particular threats fracking waste and water extraction pose is unacceptable. The DRBC must impose a full fracking ban.

The Compendium of Scientific, Medical, and Media Findings Demonstrating Risks and Harms of Fracking, 5th edition speaks to the simple fact that you cannot completely protect people from fracking operations. We cannot prevent accidents from happening. As documented many times handling wastewater in the Delaware basin will cause impacts and contamination. It is not a question of if but when and where.

Today's NY Times points out in its business section that fracked gas is rapidly becoming a thing of the past and does not serve as a bridge to the future, which is clearly renewable energy (<https://www.nytimes.com/2018/03/28/business/energy-environment/na>)

Sincerely,

Valerie Lucznikowska