

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

PLEASE DO NOT PERMIT OUR BEAUTIFUL DELAWARE RIVER TO BE USED FOR FRACKING AND ITS WASTE TRANSPORT, TREATMENT AND DISPOSAL

Sincerely,  
linda smith  
highland lake road  
eldred, NY 12732  
linzadnil@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

The Delaware River Basin is one of the beauties of your state and the East Coast. The river should be protected from fracking and its byproducts and preserved as a haven for recreation, wildlife and safe water for us and future generations. As we in NY have learned from the Hudson, once a river is despoiled it is an incredibly long and costly project to restore it and sometimes it is not even possible (as we've seen with PCBs).

Sincerely,  
Cynthia Ofer  
154 Farrington Ave.  
Sleepy Hollow, New York 10591  
caofer@optonline.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Please stop fracking and please do not allow the storage of fracked wastewater in the Delaware River Basin. How can the DEP protect NYC drinking water so carefully in Neversink and not care about clean water in other parts of the county for our residents and visitors.

Sincerely,  
Diana K. Weiner  
134 Mutton Hill Road  
Neversink, NY 12765  
dianakweiner@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

We all need clean water

Sincerely,  
Andrew Cranston jr  
265 south rd  
Holmes, NY 12531  
hlmsc1@aol.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Once water has been used for fracking it will never be clean enough for public use again

Sincerely,  
Steve Porter  
489 Moore Hill Road  
Grahamsville, New York 12740  
steveinthecar@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

To Preserve our future quality of water and life, for humans/animals/plants, we must prevent this abuse of the land! We cannot use fracking, pipelines or storage wells to be our solutions.

- The DRBC's draft regulations do not address pipelines or any of the other infrastructure build-out occurring in the basin. Nevertheless, the regulations that would allow fracking waste to be brought into the basin and clean water to be taken out enable more fracking. And more fracking means more pipelines, more infrastructure, more gas-fired power plants and processing facilities, more toxic wastewater injection wells, more radioactive drilling waste and discharge facilities, more export of fracking's pollution.

- The DRBC is considering fracking regulations it is not capable of enforcing. State regulatory agencies are chronically understaffed and underfunded. It is unreasonable to expect the burden of enforcement of dangerous practices like fracking waste processing and extraction of water for fracking on agencies that already can't keep up with the industry.

- DRBC's draft regulations do not specifically propose that injection wells that would hold frack wastewater be allowed in the Delaware River Watershed. However, they do propose storage of frack wastewater so it could occur. These dangerous wells are causing earthquakes and have leaked into aquifers but the industry and regulators still allow them. Injection wells that would store frack wastewater in the Delaware River watershed endanger the water supplies for over 15 million people now and for years to come.

Sincerely,  
Jan Towsley  
336 Martin Rd  
W. Henrietta, NY 14586  
jhtowsley@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

We don't have to look too far back to see what unregulated use of our pristine rivers can do. GE's dumping of wastewater laden with PCP's into the Hudson nearly destroyed that majestic river for good. What will fracking wastewater do to the equally majestic Delaware? I don't want to see it. Once again the ugly adage "Profits Over People" reigns. Pulling freshwater from the Delaware for fracking might sound harmless but it is not. It interrupts aquatic communities and lowers water levels...then dumping fracked wastewater into that river concentrates the pollutants and sediment that it carries further stressing those fragile aquatic communities. These rivers do not "belong" to the fracking industry! They are a gift of Mother Nature to all her beings and she must be quaking with the thought that yet again, the most intellectually gifted of all her creatures, human beings, can't be trusted to protect her fragile ecosystem. We will not stand by and let the gas industry destroy yet another part of our beautiful Earth! NO WAY!!!

Sincerely,  
P. Constantinou  
216 West St.  
Hurley, NY 12443  
gustrish1983@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

NY

Sincerely,  
Victor Paglia  
35 WEST HOOK RD.  
HOPEWELL JCT., NY 12533  
vic\_paglia@hotmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Please do not allow the use of our water or land in our watershed to support fracking. Too much. Land and water has been poisoned already. Alternative renewable options exist.

Sincerely,  
Ben Abrams  
501 baird rd  
Merion, Pa 19066  
Ben.abrams@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

My name is Denise Shapiro and I would like to share my comments on fracking in the Delaware River Basin. This is extremely important to me because I am an avid kayaker who often paddles the Delaware River and I own a vacation home in the area.

The DRBC's draft regulations do not address pipelines or any of the other infrastructure build-out occurring in the basin. Nevertheless, the regulations that would allow fracking waste to be brought into the basin and clean water to be taken out enable more fracking. And more fracking means more pipelines, more infrastructure, more gas-fired power plants and processing facilities, more toxic wastewater injection wells, more radioactive drilling waste and discharge facilities, more export of fracking's pollution.

The DRBC is considering fracking regulations it is not capable of enforcing. State regulatory agencies are chronically understaffed and underfunded. It is unreasonable to expect the burden of enforcement of dangerous practices like fracking waste processing and extraction of water for fracking on agencies that already can't keep up with the industry.

DRBC's draft regulations do not specifically propose that injection wells that would hold frack wastewater be allowed in the Delaware River Watershed. However, they do propose storage of frack wastewater so it could occur. These dangerous wells are causing earthquakes and have leaked into aquifers but the industry and regulators still allow them. Injection wells that would store frack wastewater in the Delaware River watershed endanger the water supplies for over 15 million people now and for years to come.

Thank you for considering my comments.

Sincerely,  
Denise Shapiro

Sincerely,  
Denise Shapiro  
24 Camp Drive  
Selden, New York 11784  
spankyshapiro@optonline.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

NO TO FRACKING!

Sincerely,  
Beth Olson  
43 Dillard Rd  
Highlands, NC 28741  
gullstosoar@yahoo.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I believe fracking pollutes our waters and think the following actions should be taken:

Ban fracking.

Ban fracking waste transport, treatment, and disposal.

Do not permit Delaware River Water to be used for fracking.

Thank you!

Sincerely,  
Linda Ng  
18916 37th Ave Apt 16N  
Flushing, New York 11358  
Lngkon@yahoo.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

NY

Sincerely,  
Selbern Narby  
4 Knollwood Road  
Huntington, NY 11743  
selbern@optonline.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

NY

Please just ban fracking altogether. There is no such thing as a safe way to frack. The regulations that the DRBC is considering will not be enforceable by that agency. They are understaffed and underfunded.

Storing frack water in the Delaware River Basin would endanger the portability of the drinking water for millions and millions of people. Over 15 million.

Sincerely,  
Chatral A'dzÃ©  
271 Church Rd.  
Livingston Manor, NY 12758  
khajong@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Fracking has no place in the vicinity of natural resources such as the Delaware River Basin. The process uses dangerous and corrosive chemicals that can and almost certainly will leach into feeder streams and other water sources of the river, not to speak of the danger to sources of drinking water. All fracking and activity should be banned from the DRB.

Sincerely,  
Jose Moreno-Lacalle  
128 Crispell Lane  
New Paltz, NY 12561  
JoseMML09@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Fracking endangers our water supply through so many of its practices and repercussions from waste. Water and the environment are pivotal to NYS's economy and the health of our population. Fracking further endangers us to earthquakes and probably other as yet unforeseen problems. Please NO FRACKING in the Delaware Basin

Sincerely,  
Beverly Miller  
12 Aldine Park  
Nyack, New York 10960  
Maudebev@icloud.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

**BAN ALL FRACKING AND FRACKING RELATED PROJECTS. STOP THIS INSANE POISONING OF OUR WATER, AIR, AND SOIL!**

- The DRBC's draft regulations do not address pipelines or any of the other infrastructure build-out occurring in the basin. Nevertheless, the regulations that would allow fracking waste to be brought into the basin and clean water to be taken out enable more fracking. And more fracking means more pipelines, more infrastructure, more gas-fired power plants and processing facilities, more toxic wastewater injection wells, more radioactive drilling waste and discharge facilities, more export of fracking's pollution.
- The DRBC is considering fracking regulations it is not capable of enforcing. State regulatory agencies are chronically understaffed and underfunded. It is unreasonable to expect the burden of enforcement of dangerous practices like fracking waste processing and extraction of water for fracking on agencies that already can't keep up with the industry.
- DRBC's draft regulations do not specifically propose that injection wells that would hold frack wastewater be allowed in the Delaware River Watershed. However, they do propose storage of frack wastewater so it could occur. These dangerous wells are causing earthquakes and have leaked into aquifers but the industry and regulators still allow them. Injection wells that would store frack wastewater in the Delaware River watershed endanger the water supplies for over 15 million people now and for years to come.

Sincerely,  
Amy Harlib  
212 West 22nd St. #2N  
New York, NY 10011  
amyharlib@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Ban fracking on the Delaware River Basin.

Sincerely,  
Stuart Ober  
PO Box 888  
Woodstock, NY 12498  
ober@stuartober.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Please ban fracking and instead rely on renewable energy sources which are less injurious to her environment. Please protect the Delaware water basin by banning fracking waste transport, treatment and disposal. Do not permit Delaware water to be used for fracking .

Sincerely,  
jeanne Keahon  
27 church St  
treadwell, NY 13846  
keahonjm@oneonta.edu

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I oppose fracking at the Delaware River basin, and elsewhere. We need to protect our water resources, not poison them.

Sincerely,  
Susan Arbit  
1035 delaware Turnpike  
Rensselaerville, NY 12147  
susanarbit@hotmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Nature is our most precious resource. To be preserved not exploited for profit.  
Please do allow Fracking.

Sincerely,  
Marc Swanson  
6 Fairview  
Catskill , Ny 12414  
Swanson8@yahoo.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Please vote AGAINST fracking in the Delaware Basin.

Sincerely,  
Harlan Kosson  
P.O Box 309  
Pittsford, NY 14534  
harlankosson@aol.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

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- DRBC's draft regulations do not specifically propose that injection wells that would hold frack wastewater be allowed in the Delaware River Watershed. However, they do propose storage of frack wastewater so it could occur. These dangerous wells are causing earthquakes and have leaked into aquifers but the industry and regulators still allow them. Injection wells that would store frack wastewater in the Delaware River watershed endanger the water supplies for over 15 million people now and for years to come.

PLEASE DON'T FUCK THIS UP. BAN FRACKING ALREADY.

Sincerely,  
Aaron Fumarola  
907 Alfred Lane  
Homer, NY 13077  
aaron.fumarola@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Commissioners: Do the right thing for our region and our river.  
Ban fracking.  
Ban fracking waste transport, treatment, and disposal.  
Do not permit Delaware River Water to be used for fracking.  
Not now, not ever.

Sincerely,  
Deborah Stone  
502 W Prospect Ave  
North Wales, PA 19454  
deb.stone21@verizon.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

We must protect our groundwater from the chemicals being used in fracking. The only way to do this is to stop fracking. Clean water is a right for all people.

Sincerely,  
Judy Turk  
33 Arlington Drive  
Pittsford, NY 14534  
energy.wise@yahoo.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

PLEASE, PLEASE DO NOT LET FRACKING WATER BE DISPOSED OF IN THE DELAWARE BASIN.....

Sincerely,  
ROBERT MOORE  
708B PLYMOUTH DRIVE  
LAKEWOOD, NJ 8701  
RPM13@hotmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

fracking is dangerous to our water & soil!

Sincerely,  
kathy haverkamp  
722 billsboro road  
geneva, new york 14456  
khaverka@courts.state.ny.us



2T2h2e2 2r2e2a2c2h2 2o2f2 2t2h2e2s2e2 2i2m2p2a2c2t2s2 2i2s2 2f2a2r2  
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2a2n2d2 2u2n2e2t2h2i2c2a2l2 2c2o2n2c2e2p2t2.2 2A2n2d2 2m2o2r2e2  
2f2r2a2c2k2i2n2g2 2m2e2a2n2s2 2m2o2r2e2 2p2i2p2e2l2i2n2e2s2,2

Sincerely,  
Sarah Erickson  
565 Flats Road  
Athens, NY 12015  
sarahhack@aol.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Health of humans and beauty of land should take precedence over money. It doesn't matter how much money you have if you can't breathe or if you don't have clean water to drink.

Sincerely,  
Kathe Sandstrom  
48 S Manheim  
New Paltz, NY 12561  
bibis@juno.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

There have already been many incidents and accidents with fracking in the state of Pennsylvania, that the oil companies deny they have any responsibility for. This is a dangerous technology because it does exactly what it says it doesn't do: contaminate watersheds and groundwater. Plus the fact the chemicals that are injected into the ground to replace the gas are kept a secret. In other states that have allowed fracking, i.e., Oklahoma, Colorado, and Alabama, there is a daily occurrence that has never occurred before: earthquakes. Plain and simple, fracking on this pristine watershed should not be allowed.

Sincerely,  
John Rankin  
25 Brooklyn Ave.  
Cooperstown, NY 13326  
jrankin09@stny.rr.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Fracking is a crime against nature and humanity. This insane destruction of the planet and the future of life on this planet must be globally banned.

Sincerely,  
Marcy Gordon  
1758 Dean Street  
Brooklyn, New York 11233  
mgordon@pipeline.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Ban fracking.  
Ban fracking waste transport, treatment, and disposal.  
Do not permit Delaware River Water to be used for fracking.

Sincerely,  
Katherine O'Sullivan  
1825 Riverside Drive  
New York, NY 10034  
xkosullivan@hotmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Here's another good reason not to invest more money in environmentally destructive fossil-fuel technologies: Today's New York Times reports that in the West, states are shifting to clean energy also because it's economically sound. The Dept of Energy reports that natural gas declined by 7.7% in 2017. Let's be on the right side of history!

Sincerely,  
Jo Anne Kraus  
53 Rockland Ave  
Yonkers, NY 10705  
ok

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Keep our mineral rich water pure today and for our children's children.

Sincerely,  
G Vistica  
39 hillbrook ct  
Staten Island, New York 10305  
visticag@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Fracking and the disposal of fracking waste should be totally banned from the Delaware River Basin, This is an absolute necessity to safeguard our environment.

Sincerely,  
Raymond Farrington  
2103 South Ave  
Syracuse, NY 13207-2147  
techart@juno.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

As we experience the the loss of clean water globally thus putting all life at risk, it is unconscionable that the fracking process be permitted to proceed in any way .

Sincerely,  
Marion Honors  
385 Watervliet-Shaker Road  
Latham, New York 12110-4799  
[mhonors@csjalbany.org](mailto:mhonors@csjalbany.org)

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

The Delaware River Basin is an area with clean air, beautiful rivers and lakes, and pristine mountain landscapes. To allow any form of fracking, or storage of fracked water, would be a horrible affront to this natural and important water source.  
**DON'T LET COMMERCIAL PROFITS SWAY YOUR JUDGEMENT!**

Sincerely,  
Paula Greenberg Kutner  
6-15 160 St.  
Beechurst, N.Y. 11357  
peegeekay51@hotmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I encourage the Commission to fulfill its mission of protecting the Delaware River Basin by banning all fracking activities in the basin, including allowing fracking wastewater to be discharged into the basin and using water from the basin for fracking elsewhere. My family relies on well water for our water, and the thought that the commission would allow fracking wastewater with toxic materials to poison the aquifer we use is frightening. The Delaware River already falls below acceptable levels in the summer, and allowing the use of water for fracking elsewhere would violate the standards you are charged with meeting. Why would the commission allow such activities, and refuse to protect the basin and our natural resources as it is charged with doing?

Sincerely,  
Dorothy Cassimatis  
3 Featherbed Lane  
Hillsborough, NJ 8844  
cassimatis@aol.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I think you should ban fracking and should also prohibit wastewater storage, processing, and discharge as well as prohibit the export of Delaware River water to be used for fracking elsewhere!!

Sincerely,  
Lisa Neste  
4437 Garden Club St  
High Point, NC 27265  
lilmouse1213@earthlink.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Pls Keep up the good work, Nature should not be ruined by Mankind.

Sincerely,  
john o'sullivan  
55 E.7th. street  
new york, nyc 10003  
johnsully57@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

- The DRBC's draft regulations do not address pipelines or any of the other infrastructure build-out occurring in the basin. Nevertheless, the regulations that would allow fracking waste to be brought into the basin and clean water to be taken out enable more fracking. And more fracking means more pipelines, more infrastructure, more gas-fired power plants and processing facilities, more toxic wastewater injection wells, more radioactive drilling waste and discharge facilities, more export of fracking's pollution.
- The DRBC is considering fracking regulations it is not capable of enforcing. State regulatory agencies are chronically understaffed and underfunded. It is unreasonable to expect the burden of enforcement of dangerous practices like fracking waste processing and extraction of water for fracking on agencies that already can't keep up with the industry.
- DRBC's draft regulations do not specifically propose that injection wells that would hold frack wastewater be allowed in the Delaware River Watershed. However, they do propose storage of frack wastewater so it could occur. These dangerous wells are causing earthquakes and have leaked into aquifers but the industry and regulators still allow them. Injection wells that would store frack wastewater in the Delaware River watershed endanger the water supplies for over 15 million people now and for years to come.

Sincerely,  
Brian Fink  
1806 Green St.  
Philadelphia, PA 19130  
bfink@prodigy.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I'm against fracking.

Sincerely,  
Virginia Anne Maltese  
164 Main Street  
Unadilla, New York 13849-3400  
vmalt06@hotmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

outlaw fracking

Sincerely,  
Roger Mason  
84-49 168th St (1M)  
JAMAICA, NY 11432  
roger.mason@juno.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

The DRBC's draft regulations do not address pipelines or any of the other infrastructure build-out occurring in the basin. Nevertheless, the regulations that would allow fracking waste to be brought into the basin and clean water to be taken out enable more fracking. And more fracking means more pipelines, more infrastructure, more gas-fired power plants and processing facilities, more toxic wastewater injection wells, more radioactive drilling waste and discharge facilities, more export of fracking's pollution.

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Sincerely,  
Logan welde  
1316 N 7th St  
Philadelphia, PA 19122  
loganwelde@hotmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

This should have been killed dead by now. You cannot fix it after the damage is done, no matter how you cover it up.

Sincerely,  
Dwight Edwards  
128 West 72nd Street,  
New York, NY 10023  
dle.info@verizon.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

ban fracking...ban fracking waste and the transport thereof...do not permit the use of Delaware River Water to be used for fracking.

Sincerely,  
ROBERT COBB  
527 WILLOWEMOC ROAD  
LIVINGSTON MANOR, NY 12758  
bruce@studiorbc.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

As long time residents of the DRV and after living next to a "TEST WELL" we are very well versed in the Oil and Gas Industries methods and procedures. The industry must have you, the DRBC, strongly controlling and enforcing and PROTECTING the RIVER for GENERATIONS TO COME. The DRBC's draft regulations do not address pipelines or any of the other infrastructure build-out occurring in the basin. Nevertheless, the regulations that would allow fracking waste to be brought into the basin and clean water to be taken out enable more fracking. And more fracking means more pipelines, more infrastructure, more gas-fired power plants and processing facilities, more toxic wastewater injection wells, more radioactive drilling waste and discharge facilities, more export of fracking's pollution.

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- DRBC's draft regulations do not specifically propose that injection wells that would hold frack wastewater be allowed in the Delaware River Watershed. However, they do propose storage of frack wastewater so it could occur. These dangerous wells are causing earthquakes and have leaked into aquifers but the industry and regulators still allow them. Injection wells that would store frack wastewater in the Delaware River watershed endanger the water supplies for over 15 million people now and for years to come.

Sincerely,  
karl wasner  
290 high bridge rd  
milanville, PA 18443  
karlwasner@yahoo.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Banning fracking is absolutely crucial to the health of all of us - we need clean water to drink, and clean air to breathe.

Sincerely,  
Katharine Homans  
249 Rodenburg Road  
Equinunk, PA 18417  
katy@katyhomans.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Water is our most critical resource. We are in an age when we're cleaning up last century's devastation of our rivers, like the Hudson. Don't risk harming the Delaware and all that rely on it for life, including your neighbors throughout the basin. Do the right thing.

Sincerely,  
Betsy Gude  
250 Josh Road  
Elka Park, NY 12427  
brgude@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Please do not desecrate the valuable resources of the DBRC with fracking!

Sincerely,  
David Cohen  
19 Saddle Rock Dr  
Poughkeepsie, NY 12603  
alhenex@yahoo.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Fracking harms water and wildlife. Please do not allow it in the Delaware River Basin.

Sincerely,  
Maria Studer  
127 Springtime Lane West  
LEVITTOWN, NY 11756  
rstuder@optonline.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

NY

Sincerely,  
Justine King  
444 E 75th St #7C  
New York, NY 10021  
justineking@netscape.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Fracking is terrible for our environment. What happens in New York, where I live, or Pennsylvania, or Texas, or anywhere doesn't stay local either. The polluting effects, health hazards, earthquakes, etc. that result affect everyone.

Sincerely,  
mary beth oconnor  
119 middaugh road  
brooktondale, ny 14817  
moconnor@ithaca.edu

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Clean water is the future, leave the river basin as it is. Jeopardizing clean drinking water for a vast area, including New York City, is not an option!

Sincerely,  
Hans Kung  
491 Broadway  
New York, NY 10012  
hans\_kung@hotmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Too volatile an activity to be used in this environment. Gain doesn't justify the losses.

Sincerely,  
Thomas Teich  
3050 Route 67  
Freehold, New York (NY) 12431  
teichthomas@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

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Sincerely,  
Donna Knipp  
60 Seaman Ave., #2E  
New York, NY 10034  
knipp.donna@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Fracking pollutes air, water and land and poses a public health problem. The toxic effect of fracking is irreversible. Please ban fracking in the Delaware River Basin. Thank you.

Sincerely,  
A. S. Evans  
4 Washington Square Village  
New York, New York 10012-1902  
asevans88@yahoo.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

The Delaware basin is not an isolated system. This commission is not an isolated entity. We need all local and regional commissions to CONSISTENTLY ban ALL fracking activities because we all live in an inter-related system. Local commissions are the first line of defense and sometimes the only defense against the unreversible contamination of our waters and soil. Please protect us all.

Sincerely,  
Judy Coutinho  
PO Box 113  
WEST SHOKAN, NY 12494  
buysalot@att.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

To the DRBC

There is only one significant reason to approve increased fracking and similar underground access to mineral resources - revenue for private industry and state governments.

However, there are many reasons that mining, drilling, fracking, and similar extraction of underground natural resources are against the best interests of citizens and of the natural environment.

The most obvious reason to not approve these activities is in order to maintain a safe and clean geological environment that naturally filters all water sources for plants, animals, and all human civilizations. That natural process promotes the long-term survival of our American and planetary ecosystems.

There are many alternative sources of energy and fuel for our nation. It is potentially devastating to risk our natural resources for the profit of a few at the cost of the majority.

Please consider carefully the ability of any resource managers or governmental bodies to adequately manage such enterprise efforts before agreeing to allow them to proceed. Your actions may outlive us all and if mistaken or poorly executed, may not be able to be undone.

There is plenty of scientific evidence of the effects of improper acts by enterprises and insufficient control by overseers. I will leave that documentation to other correspondents. Please hear my voice as that of an average citizen with grave concerns for the stewardship of our planet - which depends on thoughtful and beneficial acts taken by our local communities and watersheds.

Thank you for your consideration  
William D. Douglas, ddwebmail@gmail.com

Sincerely,  
William Douglas  
1 Merlot Dr, Unit 142  
Highland, NY 12528-6320  
ddwebmail@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

NO FRACKING!!! Clean water, clean air, and clean food are the foundation for life.  
Not some corporate cronies profits!

Sincerely,  
Myra Fedyniak  
Ten Broeck  
Albany , NY 12210  
myra\_fedyniak@yahoo.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

It is very irresponsible to allow fracking in the Delaware River Basin area. Mainly because of the waste water from the process that contains numerous chemicals. Many of these chemicals are known to be harmful to the environment and to all forms of life. Many of the chemicals are also not tested enough yet to be sure if they will be harmful or not. If they are found to be harmful later on - then we are faced with extra expense to clean them from the environment or we have already poisoned the people and animals. Once that occurs it is already too late. Please stop any of this before it happens. Thank You!

Sincerely,  
Thomas Craparo  
25 Kendell Drive  
Wappingers Falls, New York 12590  
tcraparo@abelwomack.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

We who live in the Delaware River watershed are asked (aka mandated) to keep the waters clean so that NYC may have drinking water. How can ANY plan that involves fracking - and with it, the danger of contaminating water - be side by side with watershed regs? Upstate NY is beautiful. It draws thousands to its beauty. Fracking and beauty do not go hand in hand. Keep our population safe and our water clean. Please ban fracking and any storage from this area.

Sincerely,  
Kathering Mario  
1382 Peakes Brook Road  
Delhi, NY 13753  
kmario@delhitel.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

NEW JERSEY. Continued spills from pipelines being built show how dangerous they are. Dumping coal ash in our precious drinking water is not balancing jobs with environment and fracking using tremendous amounts of our precious water supply and injecting these hazardous wastes into the ground or contained reservoirs that we all know will leak or deep eventually is short sighted and putting the citizens at risk.

Sincerely,  
Harry Hudson  
303 R Sweetbriar Rd  
Wildwood Crest, NEW JERSEY 8260  
HarryHudsonJR@hotmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Fracking is dangerous. It can poison water for millions. We should ban it.

Sincerely,  
James P Stephens  
49 Pawnee Pkwy  
Buffalo, NY 14210  
Jamespstephens@hotmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

The Dutch government, Shell and Exxon recently admitted that gas drilling causes earthquakes, and is in the process of paying out billions to homeowners whose homes had to be demolished:

<https://nltimes.nl/2018/02/01/dutch-told-slash-gas-extraction-half-stop-earthquakes>

That, combined with the fact that millions depend on drinking water from The Delaware, it's only greed that would allow the pumping of toxic chemicals into the earth here.

I worked as a consultant to BHP Billiton, I know how fracking works. Those chemicals can't be contained or controlled in normal conditions and certainly can't be contained in the event of an earthquake. ONCE THE DAMAGE IS DONE, YOU CAN'T CLEAN IT UP, A MILE UNDER GROUND.

Sincerely,  
Derick Melander  
331 Bethlehem Road  
Callicoon Center, NY 12724  
derick.melander@mindspring.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I oppose your proposal to allow wastewater produced by fracking to be stored, treated, or discharged within the Delaware River Watershed. I oppose your proposal to allow water from the Delaware River Watershed to be exported to fuel fracking elsewhere. I support a full and permanent ban on fracking and its activities throughout the Delaware River Watershed.

Sincerely,  
William Milton  
115 Upperboiceville Rd  
Boiceville, NY 12412

I oppose your proposal to allow wastewater produced by fracking to be stored, treated, or discharged within the Delaware River Watershed. I oppose your proposal to allow water from the Delaware River Watershed to be exported to fuel fracking elsewhere. I support a full and permanent ban on fracking and its activities throughout the Delaware River Watershed.

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Please ban fracking in the Delaware river basin

Sincerely,  
Manfred Zanger  
62 Beaverkill Mountain  
Roscoe, New York 12776  
beamoc@hvc.rr.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

We need SAFE clean water. Our water and planet so important.  
Ban fracking.  
Ban fracking waste transport, treatment, and disposal.  
Do not permit Delaware River Water to be used for fracking.

Sincerely,  
Helene Oldweiler  
6156 Woods Rd  
Middlesex, NY 14507  
heleneesta@hotmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Water, the essence of life is our most precious resource. We must not do anything to degrade the Delaware River or our aquifer. We must not permit our water to be used in any part of the fracking process nor should we allow the fracking industry to dispose of the poisoned water in our area or transport it over our roads. Any misstep along the way could have catastrophic consequences affecting our children, ourselves, our neighbors, our groundwater, our fauna and flora including the local produce.

Let's not have to hear our grandchildren ask us "What in the world were you thinking?" .

Sincerely,  
Donald Derfner  
182 Eldred-Yulan Road  
Yulan, NY 12792  
dderfner@derfnergillett.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I write as one of the more than 15 million people whose drinking water comes from the Delaware River Basin. I respectfully and firmly remind you, that as DRBC Commissioners, it is your responsibility to protect the irreplaceable waters of the Delaware.

The long polluted trail of fracking impacts run deep, from methane induced climate chaos to tragic health problems for the workers who mine the silica sand, and much, much more.

Yet, as is human nature, most people are only concerned about what affects them, clearly, in their immediate vicinity, which is why humans have become like a cancer on this planet - doing what we want without regard for our place in the collective whole, which is what differentiates cancer cells from non cancer cells.

Of course, climate change produces rising sea levels that clearly affect coastal states. Yet honestly, there are many sources of climate changing pollution in this world. We urgently need to develop renewables, but that's another conversation.

I'll keep to the specifics about the Delaware River Basin. The DRBC Water Code states in its "Policy of Protection and Preservation", "The waters of the Delaware River Basin are limited in quantity and the Basin is frequently subject to drought warnings and drought declarations due to limited water supply storage and streamflow during dry periods. Therefore, it shall be the policy of the Commission to discourage the exportation of water from the Delaware River Basin." (Section 2.30.3, p. 46). The Policy of Protection and Preservation further states, "The Basin waters have limited assimilative capacity and limited capacity to accept conservative substances without significant impacts. Accordingly, it also shall be the policy of the Commission to discourage the importation of wastewater into the Delaware River Basin that would significantly reduce the assimilative capacity of the receiving stream on the basis that the ability of the Delaware River Basin streams to accept wastewater discharges should be reserved for users within the Basin." (Section 2.30.2, p. 46-47).

To surrender the Delaware's water to profit motivated fracking companies is an abdication of your duties as protectors of this watershed.

To allow fracking wastewater to be discharged in the Delaware is beyond that - it is murderous, and I don't use that term lightly. Very few will believe that the "Treatability Studies" are adequately protective. It is impossible to adequately treat / protect from the huge amount of pollutants, some not even listed, plenty that are not accounted for, in the chemical brew of frack wastewater.

Over 1,000 additives are in fluids used to frack wells. New York's Dept. of Environmental Conservation found 154 parameters in wastewater they sampled from the Marcellus shale of PA and WV. "Background concentrations" are not necessarily safe, and - as someone who does research for environmental lawyers - I know that very, very, very often, what ends up being discharged into a waterway exceeds what is publicly stated as an allowable, permitted level.

The wastewater from fracking is full of constituents toxic to human and aquatic life, including - but certainly not limited to - volatile organic compounds, ammonia nitrogen, total dissolved solids, BTEX (benzene, toluene, ethylbenzene, xylene), NORM (naturally occurring radioactive materials), and more and more and more.

Lastly, and perhaps most importantly, I ask you to consider that the age we are in on this planet is one of reckoning. Where damage to climate returns in extreme weather, where water and air pollution return in cancer, where sexual violations from long past return and forever stain reputations, where lies and deception about all matters are coming to light, and where the forces of truth are growing stronger, shining lights on who neglected their responsibility to be an honest person or a respectful employer or a protector of something they are charged to protect. If you open the irreplaceable, sacred Delaware for profit motivated fracking companies to have their way with, whatever pretense of limits and permits and protections that may be stated, when water is tested to be more polluted than it was, and the chain reactions to fish and humans and ecosystems begin ... history will point back to the current DRBC Commissioners, and the choices made now.

I'm not asking you to revise this insane plan and include more of the (known) pollutants in your scope, or to reduce the allowable limits of TDS and others, or to draft more documents with more words about how this shall not exceed that in order to seem more protective of something. I'm not asking you to hire more staff to attempt to retain shadow of control and enforcement over something massive and destructive. I'm asking you to truly understand that gas companies want to Use this river, and this planet, for their own gain and will say anything they can to get in the door; that this selling out, however it's scripted, will sacrifice this river and all who depend on it, and to Just Say No. Close these loopholes and actually ban fracking in the sacred place you're charged with protecting.

Sincerely,  
Ellen Osuna  
73-63 260th st  
Glen Oaks, New York 11004  
Memecrafter@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

It's ridiculous that i have to take my time to even comment on this. Fracking is bad. Please dont allow it... What's the possible negative impacts of everyone reducing their plug loads or remembering to turn off their lights? None.... That's why it's the best answer.

Sincerely,  
Troy Hodas  
832 South Rd  
Wurtsboro, ny 12790  
troyhodas@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Please prove to me that you are an intelligent, mature human being who understands the critical importance of water to every living creature. Please prove you love this country and will protect our water. There are other sources of energy that can replace fracked gas. Can you name a replacement for water?

Sincerely,  
Deidre Moderacki  
626 East 14th Street  
New York, NY 10009  
dmoderacki@earthlink.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Please don't frack up the Delaware!

Sincerely,  
jack doig  
33715 St. Hwy. 28  
Andes, NY 13731  
doigjf@yahoo.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

We have the best potable water. Fracking will destroy that resource!

Sincerely,  
Denise Androvette  
128 Hamden Dr  
Syracuse , New York 13208  
dandrvt@verizon.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

To the DRBC Commissioners:

I support a COMPLETE BAN on fracking in the Delaware River Watershed. I oppose your proposal to allow wastewater produced by fracking to be stored, treated, or discharged within the Delaware River Watershed. I oppose your proposal to allow water from the Delaware River Watershed to be exported to fuel fracking elsewhere. I support a full and permanent ban on fracking and its activities throughout the Delaware River Watershed.

There are many negative impacts from fracking and its activities that are being experienced where fracking is occurring. Some of the harm is done locally to the streams, forests, wetlands, groundwater wells, air quality, species and habitats where frack sites are being built, gas wells are being drilled and fracked, streams are being raided for water, and wastewater is being discharged. Some of the harm is regional, affecting water supplies downstream from where a forest is decimated into a denuded industrial landscape or frack wastewater is discharged from a facility that simply can't remove all of the toxic and radioactive pollutants in fracking's waste stream.

The reach of these impacts is far when pipelines snake outwards from gas wells in fracked regions, slashing across streams, rivers, through forests and farms, people's backyards, parks, preserves and town centers. The path of destruction travels to fuel gas-fired power plants, processing facilities such as plastic manufacturers, and to export facilities that carry natural gas liquids to distant shores to spread the pollution of fracking further than most would have imagined.

Even though your draft regulations don't address pipelines and other infrastructure, the fact that you are proposing to allow fracking waste to be brought into the basin and clean water to be taken out will enable more fracking in our neighboring watersheds, a repugnant and unethical concept. And more fracking means more pipelines, more infrastructure, more polluting power plants and gas processors, here as well as there.

And the impacts are long-lived "" one reason is the persistent nature of radioactivity in waste produced by fracking. Radium 226's half-life is 1600 years but you wouldn't know it by the way regulators and the industry handle it. Most wastewater today is injected into 'disposal' wells that are really only storage sites that move this highly toxic waste to another place and time "" to be someone's else problem one day. Unfortunately, earthquakes in many of the locations where these over-stuffed wells are located spread and extend the harm that fracking causes. Your draft regulations would allow 'storage' of wastewater - I register my opposition to any storage, whether in injection wells, basins, tanks or pits, of frack waste. It should not be allowed to be imported to the Watershed at all.

I see no way that DRBC can keep up with enforcing the regulations, controlling the monster that would be let loose, should fracking occur here, should wastewater be dumped here or if water is allowed to be depleted for fracking. The Commission relies on the watershed states' environmental regulators to carry out enforcement of the rules it sets but these agencies are chronically understaffed and underfunded. It is unreasonable for the DRBC to place on state regulators the burden of enforcement of dangerous practices like fracking waste processing and extraction of water for fracking operations outside of the basin. The only way to protect the Watershed from myriad adverse impacts of fracking is to COMPLETELY ban it, BAN IT ALL. I ask you to do that, for our sake and for our future generations.

Sincerely, Alan Podber

Sincerely,  
Alan Podber  
PO BOX 1902  
Brattleboro , VT 5302  
podfour@aol.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Please prohibit fracking in the Delaware River Basin!! And please do not allow any water withdrawals from fracking....this is very dangerous to our environment. Fracking wastewater is filled with chemicals that causes harm to the plants, animals and all people in the local community there. 15 million people have access to the water of the Delaware. The river needs to be protected for now and for generations to come! Fracking, its waste water and the fracking water withdrawals are extremely harmful. Please do the right thing for the communities surrounding the beautiful Delaware River. Thank you.

Sincerely,  
Laurie Puca  
16 Thornwood Dr  
New City, NY 10956  
rclp@optonline.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

As a resident near the basin I urge the commission to ban fracking in the DRB. Clean water is essential to a health community. Are we really going to risk the health of many to line the pockets of an industry? A short term monetary gain for a very few and a long term risk for many. Why?

Sincerely,  
Philip Faucher  
1158 Bert Medlar Rd  
Long Eddy, New York 12760  
faucherconstruction@yahoo.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

nuffsaid@riseup.net

Sincerely,  
Ken Gale  
22 E 85th St  
NYC, NY 10028  
nuffsaid@riseup.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

We need a clean planet to live!

Sincerely,  
Melania Padilla  
CA street D268  
Managua, None 15034  
melpadillapag@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I can not believe that you might agree to anything less than a complete and permanent ban on natural gas drilling and fracking and all related activities (including wastewater processing and discharges from and water withdrawals for drilling and fracking operations) throughout the Delaware River Watershed. That is what I want.

Sincerely,  
Steve Jones  
135 Corson Ave  
Staten Island, New York 10301  
stvjns@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Hydrofracking has polluted streams and aquifers poisoning people livestock, fish and wildlife. Pipelines break. Fossil fuels are not the way we will power the future. There is no reason why our children should pay both financially and in terms of health and well being for the profits of corporations who export our resources for their profit. No to hydrofracking, no to pipelines. It is time we put the environment and the next generation first. Don't allow these dangerous practices to continue. Putting hydrofracking waste into water sources and water systems is immoral and criminal. Injection wells are responsible for earth quakes. Listen to the science and serve the citizens. These regulations are not strong enough to protect us. Thank you for listening

Sincerely,  
Cynthia Campbell  
304 Hone Rd  
Cherry Valley, NY 13320

Hydrofracking has polluted streams and aquifers poisoning people livestock, fish and wildlife. Pipelines break. Fossil fuels are not the way we will power the future. There is no reason why our children should pay both financially and in terms of health and well being for the profits of corporations who export our resources for their profit. No to hydrofracking, no to pipelines. It is time we put the environment and the next generation first. Don't allow these dangerous practices to continue. Putting hydrofracking waste into water sources and water systems is immoral and criminal. We know that injection wells cause earthquakes. Your responsibility is to study the science and serve the good of the people, not the corporations. These regulations are not enough to protect us. Thank you

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

NY

Sincerely,  
Deborah Beck  
400 Decatur Ave  
Peekskill, NY 10566  
billadeb@netzero.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Dear DRBC officials,

I am writing to express my support for a total ban on hydrofracking in the Delaware River Basin. I also urge you to prohibit wastewater storage, processing, and discharge, in this area. Please do not permit Delaware River Water to be used for hydrofracking. This technology creates numerous environmental hazards, and has proven time and again in other parts of the country to be a very bad idea in the long run. The short term financial benefits do not compensate for the long-term damage done to the environment.

Sincerely,  
Kathleen McCarthy  
134 Corson Ave  
Staten Island, NY 10301  
katiemccarthy22@yahoo.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I am an organic farmer in NYS, very close to the Delaware river, and I find that DRBC's draft regulations do not specifically propose that injection wells that would hold frack wastewater be allowed in the Delaware River Watershed. However, they do propose storage of frack wastewater so it could occur. These dangerous wells are causing earthquakes and have leaked into aquifers but the industry and regulators still allow them. Injection wells that would store frack wastewater in the Delaware River watershed endanger the water supplies for over 15 million people now and for years to come. THIS IS UNACCEPTABLE. Please do everything in your power to ensure water is reserved and protected FOR ALL BEINGS, not just corporations. I am also concerned that the DRBC is considering fracking regulations it is not capable of enforcing, nor are other State regulatory agencies. These agencies are chronically understaffed and underfunded year after year so it is completely unreasonable to expect the burden of enforcement of dangerous practices like fracking waste processing and extraction of water for fracking on agencies that already can't keep up with the industry. Nor is it appropriate for allowing the industries involved to pollute the environment with no recompense to other human beings in the direct line of the pollution. THIS IS UNACCEPTABLE.

As a parent of a newborn, and a farmer to hundreds of consumers in my area, I am requesting the DRBC BAN FRACKING AND ALL WASTEWATER AND INFRASTRUCTURE BUILD OUT, FOREVER. Once our water is gone, so are we!

Sincerely,  
Sean Zigmund  
64 Mineral Springs Rd  
Livingston Manor, NY 12758  
sean@zigmund.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I live on the banks of the Delaware River, and my water supply comes from this exceptional watershed. I support a COMPLETE BAN on fracking in the Delaware River Watershed. I oppose your proposal to allow wastewater produced by fracking to be stored, treated, or discharged within the Delaware River Watershed. I oppose your proposal to allow water from the Delaware River Watershed to be exported to fuel fracking elsewhere. I support a full and permanent ban on fracking and its activities throughout the Delaware River Watershed.

There are many negative impacts from fracking and its activities that are being experienced where fracking is occurring. Some of the harm is done locally to the streams, forests, wetlands, groundwater wells, air quality, species and habitats where frack sites are being built, gas wells are being drilled and fracked, streams are being raided for water, and wastewater is being discharged. Some of the harm is regional, affecting water supplies downstream from where a forest is decimated into a denuded industrial landscape or frack wastewater is discharged from a facility that simply can't remove all of the toxic and radioactive pollutants in fracking's waste stream.

Your draft regulations would allow 'storage' of wastewater – I register my opposition to any storage, whether in injection wells, basins, tanks or pits, of frack waste. It should not be allowed to be imported to the Watershed at all.

I see no way that DRBC can keep up with enforcing the regulations, controlling the monster that would be let loose, should fracking occur here, should wastewater be dumped here or if water is allowed to be depleted for fracking. The Commission relies on the watershed states' environmental regulators to carry out enforcement of the rules it sets but these agencies are chronically understaffed and underfunded. It is unreasonable for the DRBC to place on state regulators the burden of enforcement of dangerous practices like fracking waste processing and extraction of water for fracking operations outside of the basin. The only way to protect the Watershed from myriad adverse impacts of fracking is

to COMPLETELY ban it, BAN IT ALL. I ask you to do that, for our sake and for our future generations.

Sincerely,  
Michael Finamore  
2075 Beach Lake Hwy  
Beach Lake, PA 18405  
zootdamnit@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

The risks and harms of fracking and the waste materials resulting from it are alarming. I urge you to ban fracking, ban the trucking fracking waste, and ban the use of water for fracking or any discharge of fracking waste into the Delaware River.

Sincerely,  
Elaine Giguere  
7857 State Route 52  
Narrowsburg, NY 12764  
egiguere@frontiernet.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Fracking damages air, ground and water--all water: aquifers, running water and ground water. It kills and maims people and wildlife. There is no such thing as "safe" fracking.

Sincerely,

Trina Semorile

445 West 46 Street, #1E

New York, NY 10036

Fracking damages air, ground and water--all water: aquifers, running water and ground water. It kills and maims people and wildlife. There is no such thing as "safe" fracking.

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I am writing my concerns of the Delaware Valley needing protection from contamination. The contamination threats directly influence by the heavy industrial mining of methane gas and silica sand related to the fracking of gas and petroleum oil. The threat of deep well fracking fluids disposal proposed for the Delaware Valley. The practice of using water treatment plants to dispose of frack fluids that are also contaminated with radioactive minerals back into surface waters where treatment plants usually will discharge. I have been a licence drinking water and sewage treatment facility operator with NY Health Department. The oil and gas industry have not in my opinion, can not be trusted with their scientific studies and reports of safe operation of their faculties. The subsidies profits that are used to shut out the truth of the environmental damage done, is being keep out of the general public media. I do agree the we are dependent on petro products. While the alternative energy is growing, it will replace the energy needs of most of our uses. This change over should be encourage and not suppressed as the oil and gas industry intentions show. Our government has in the past stepped forward when it comes to legislative regulations on, as an example in the past, with the auto industry. This in effect was a positive move that effectively changed the auto industry with much complaint on their part on the regulations, but has created highly efficient gasoline engines as we have today. This is proof that government regulations carefully written can encourage industry that is needed for the general public's welfare. So I say regulations is a positive factor that can be effective with the oil and gas industry to protect the public.

Sincerely,  
J.Paul Letendre  
93 Perry Pond Rd  
Narrowsburg, NY 12764  
vallet87@citlink.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

It has been universally accepted that fracking damages the environment in which it occurs. Logic follows that it creates collateral damage in areas its waste passes through, and areas whose resources are used to further it. I pay thousands of dollars in taxes to live in the Delaware Basin, and I don't want out-of-State business interests or elected officials or commissions to shirk their duty, which is to keep this functional and aesthetic jewel of the state safe from plunder. Election Day is always coming.

Thank you

Sincerely,  
Holter Graham  
181 Lackawaxen Rd  
Narrowsburg, NY 12764  
Ldh1@aol.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

End all fracking

Sincerely,  
John and Martha Stoltenberg  
N8362 State Highway 67  
Elkhart Lake, Wisconsin 53020  
jpestolten@frontier.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

For the future, for our children, for our world:

- \* Ban fracking.
- \* Ban fracking waste transport, treatment, and disposal.
- \* Do not permit Delaware River Water to be used for fracking.

OBVIOUSLY there are other energy methods that sustain the planet.

Sincerely,  
Karen Matsu Greenberg  
922 County Road 94  
Fremont Center, New York 12736  
karen@hourglasspress.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I oppose fracking and support our country moving toward renewable energy sources. The DRBC's draft regulations would allow fracking waste to be brought into the basin and clean water to be taken out, which would enable more fracking. This means more pipelines, more infrastructure, more gas-fired power plants and processing facilities, more toxic wastewater injection wells, more radioactive drilling waste and discharge. This would endanger the water supplies for over 15 million people now and for years to come.

I urge the Commission to deny any and all support for fracking.

Sincerely,  
Carol Bobertz  
4 Sunrise Terrace  
Trumansburg, NY 14886  
sgmom2@yahoo.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Fracking poisons water, ruins critical habitat, and is proven to harm human health and the environment, so you need to ban fracking, ban fracking waste transport, treatment, and disposal, and not permit Delaware River Water to be used for fracking.

Sincerely,  
Owen Waite  
116 Seaman Avenue #2B  
New York, NY 10034-2803  
odwaite@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

The quantity of water in the Basin affects when and how much is available for recreation, drinking water, and other domestic and commercial uses, as well as the health of the streams, rivers and aquifers themselves. Natural and human forces have impacts on quantities of water resources. We cannot control the natural forces and we see that the warming planet is resulting in more drought conditions, rising sea levels, greater runoff and polluting scenarios, and more intense rainfall events, which are impeding the active replenishment of water bodies. As a result, the impacts on water supplies that result from human activities, which can be controlled and for which the Commission exists, is more critical than ever. The methods for evaluating how to regulate where and how much water is withdrawn from the Basin needs constant analysis in light of the changing natural impacts on water resources.

The proposed regulations 18CFR Part 440.4 and 401.35 state that the Commission discourages the diversion, transfer or exportation of water from sources inside the Basin to support hydraulic fracturing outside of the Basin and outlines various conditions that it says are so strict it will likely not allow much export to occur. Discouragement is not protection from fracking water exports, as fracking is a usage unlike anything the Basin has seen to date. Recreational activities such as whitewater rafting and fishing do not diminish the quality and quantity of water, and water used for golf courses gets absorbed back into the groundwater, and drinking water also is released back into water supplies after it is consumed and treated. Water used for fracking is consumed, degraded, and returned to nature in completely different known and unknown ways.

The process of fracking requires millions of gallons of water. DRBC's supplemental information contains statistics from the SRBC and from EPA that the average frack uses 5.1 to 6.5 million gallons. Technological advances in the fracking industry have significantly increased the per-well water usage, so the numbers DRBC has used are out of date and underestimated. The super lateral wells of today have horizontal wellbore lengths of up to 4 miles, as opposed to 2 miles during the period of the statistics which DRBC quotes. In 2016 Dr. Ted Auch of the Fracktracker

Alliance reported that in Ohio and West Virginia, since 2013 there has been increased lateral wellbore lengths of 8-12% each year in the major shale basins. This has translated to the average amount of water used per fracked well being 9.7 million gallons. Up to 87 million gallons of water can be used per one super lateral well. [Ted Auch, The Freshwater and Liquid Waste Impact of Unconventional Oil and Gas in Ohio and West Virginia//midatlanticwrc.org/event-info/agenda/the-freshwater-and-liquid-waste-impact-of-unconventional-oil-and-gas-in-ohio-and-west-virginia/]

At a potential 10 to 20 million gallons per well, this usage could impede usages for domestic and recreational purposes. It would also require miles of roads, thousands of truck trips, clearing of land for the trucks and potentially pipelines and other infrastructure related to acquiring the water. All of this would have serious impacts on habitats, water quality, forests, streams and soils.

Fracking purposely contaminates fresh water, injects most of it underground, and what comes up in the produced water contains the chemical additives (many which are highly toxic and many which are allowed to be unidentified) as well as high salinity, naturally occurring metals and radioactive materials. DRBC notes that only a small percentage of water withdrawn for fracking is returned to the surface waters, versus 90% of the water withdrawn for current domestic and commercial uses. Thus, the process depletes fresh water and contaminates it, injects it into the earth with no foolproof method to prevent damage to deep aquifers (as is discussed herein elsewhere). What small percentage of water used for fracking that is returned to the surface, is significantly degraded compared to what other users of the water resources return to water sources. It has been seen to kill and injure hydrofracking workers who have come in contact with it as it burns their skin and causes health problems. It isn't usable for drinking water due to contamination and it can't be economically cleaned to standards for reuse except maybe for cooling towers. Industry can now clean up some of it, just enough to load it up with more chemicals and use to frack the next well. And each time the chemicals become more concentrated and there is still the disposal/waste problems.

When one considers how water withdrawn for fracking is almost completely consumptive and not put back into the environment from which it is drawn and into the hydrological cycle (in contrast to most domestic and industrial uses now using the Basin's waters) the effects of fracking's water demands upon the quantity and quality of the Basin's river, tributaries and estuaries must be examined closely by DRBC and use the much larger estimates of water demands from fracking. New York City's Department of Environmental Protection stated in 2011 that depletive water use has a direct bearing on the basin's future development, its water quality, water quantity, ecological health, salinity intrusion, and drought management and urged the DRBC to conduct a cumulative impact assessment before issuing its natural gas regulations. [Testimony from DRBC Hearing on Draft Natural Gas Development Regulations, February 22, 2011, Liberty, NY] They noted that it would

be critical to managing the effects of climate change among other factors. To our knowledge, such an impact assessment has not been completed by DRBC.

When looking at water export effects on the quality of the waterbodies, unfortunately, as with studying many of the impacts from fracking, it has been difficult for scientists to obtain the necessary amounts of data to assess water withdrawal impacts. This has proved convenient to the industry. Impacts and damages that have been seen and studied to date elsewhere regarding water withdrawals for fracking show the difficulty of assessment due to lack of necessary data. The lack of ability to assess how fracking's water usage is affecting the ecology of the streams and other groundwater is a major reason to prohibit water exports in order to prevent stream depletions in the Basin and the resultant effects on the ecology and species. The conditions of DRBC's proposed regulations cannot be adequate protection if there is so little science upon which to base such conditions. A recent study led by Sally Entrekin, a biologist at University of Central Arkansas, found that fracking dangerously depletes water levels in up to 51 percent of streams in Arkansas. The average well in the study uses approximately 5 million gallons of freshwater from small streams over a two-to-five-day period when the fracturing is done. The researchers said that they could not obtain detailed data on how much water was pumped from which stream and when and that as a result little is known about how much water can be withdrawn from these streams without impacts on fish and other aquatic species. [Water Stress from High-Volume Hydraulic Fracturing Potentially Threatens Aquatic Biodiversity and Ecosystem Services in Arkansas, United States Sally Entrekin\*et al ] [possibly put in some more science here.]

The large water needs of the fracking industry, as well as the consumptive usage, is acknowledged in DRBC's supplemental information. It acknowledges that this has myriad potential negative impacts and lists many of them. But it does not provide any evidence to assure that its proposed regulations for water export will mitigate or prevent the many impacts. The Commission cannot use regulations that are essentially the same as those for the other uses.

In its proposed regulations, DRBC sets conditions such as low-flow and drought under which water exports would be prohibited. When a well is being fractured, however, it needs water then and cannot wait, so there would be incentive to ignore discouragement and restrictions. It is not a process that can wait around for water levels to replenish. This is why we are seeing the industry drain sources and why it needs to find new sources and why it wants access to those in the Basin.

There is ample evidence in areas where fracking is occurring that regulations, which are weak to begin with due to the unprecedented and dangerous exemptions granted to industry, are not being enforced for among other reasons shrinking budgets and anti-regulatory business and political tides. The Commission must acknowledge these factors and pressures, and safeguard against them through the

strongest possible protections. Instead of discouraging and being prohibitively restrictive about exports for fracking, it must use the precautionary principle and ban them outright. All water exports for fracking must be forcefully prohibited, not just discouraged and restricted.

Sincerely,  
Elizabeth Kelley  
91 Central Park West #2C  
New York, NY 10023-4609  
kelleybeth@mac.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

To the DRBC Commissioners: I support a COMPLETE BAN on fracking in the Delaware River Watershed. I oppose your proposal to allow wastewater produced by fracking to be stored, treated, or discharged within the Delaware River Watershed. I oppose your proposal to allow water from the Delaware River Watershed to be exported to fuel fracking elsewhere. I support a full and permanent ban on fracking and its activities throughout the Delaware River Watershed.

There are many negative impacts from fracking and its activities that are being experienced where fracking is occurring. Some of the harm is done locally to the streams, forests, wetlands, groundwater wells, air quality, species and habitats where frack sites are being built, gas wells are being drilled and fracked, streams are being raided for water, and wastewater is being discharged. Some of the harm is regional, affecting water supplies downstream from where a forest is decimated into a denuded industrial landscape or frack wastewater is discharged from a facility that simply can't remove all of the toxic and radioactive pollutants in fracking's waste stream.

The reach of these impacts is far when pipelines snake outwards from gas wells in fracked regions, slashing across streams, rivers, through forests and farms, people's backyards, parks, preserves and town centers. The path of destruction travels to fuel gas-fired power plants, processing facilities such as plastic manufacturers, and to export facilities that carry natural gas liquids to distant shores to spread the pollution of fracking further than most would have imagined.

Even though your draft regulations don't address pipelines and other infrastructure, the fact that you are proposing to allow fracking waste to be brought into the basin and clean water to be taken out will enable more fracking in our neighboring watersheds, a repugnant and unethical concept. And more fracking means more pipelines, more infrastructure, more polluting power plants and gas processors, here as well as there.

And the impacts are long-lived " one reason is the persistent nature of radioactivity in waste produced by fracking. Radium 226's half-life is 1600 years but you wouldn't know it by the way regulators and the industry handle it. Most wastewater today is injected into cœdisposal wells that are really only storage sites that move

this highly toxic waste to another place and time “ to be someone's else problem one day. Unfortunately, earthquakes in many of the locations where these over-stuffed wells are located spread and extend the harm that fracking causes. Your draft regulations would allow storage of wastewater - I register my opposition to any storage, whether in injection wells, basins, tanks or pits, of frack waste. It should not be allowed to be imported to the Watershed at all.

I see no way that DRBC can keep up with enforcing the regulations, controlling the monster that would be let loose, should fracking occur here, should wastewater be dumped here or if water is allowed to be depleted for fracking. The Commission relies on the watershed states' environmental regulators to carry out enforcement of the rules it sets but these agencies are chronically understaffed and underfunded. It is unreasonable for the DRBC to place on state regulators the burden of enforcement of dangerous practices like fracking waste processing and extraction of water for fracking operations outside of the basin. The only way to protect the Watershed from myriad adverse impacts of fracking is to COMPLETELY ban it, BAN IT ALL. I ask you to do that, for our sake and for our future generations.

Sincerely,  
Lesley Finch  
3066 Proskine Pl.  
Trumansburg, NY 14886  
lf19@cornell.edu

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I support a COMPLETE BAN on fracking in the Delaware River Watershed. I oppose your proposal to allow wastewater produced by fracking to be stored, treated, or discharged within the Delaware River Watershed. I oppose your proposal to allow water from the Delaware River Watershed to be exported to fuel fracking elsewhere. I support a full and permanent ban on fracking and its activities throughout the Delaware River Watershed.

Sincerely,  
Joseph Shulman  
6249 Romo Street  
San Diego, CA 92115  
jhshulman1@cox.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

There are many negative impacts from fracking and its activities that are being experienced where fracking is occurring. Some of the harm is done locally to the streams, forests, wetlands, groundwater wells, air quality, species and habitats where frack sites are being built, gas wells are being drilled and fracked, streams are being raided for water, and wastewater is being discharged. Some of the harm is regional, affecting water supplies downstream from where a forest is decimated into a denuded industrial landscape or frack wastewater is discharged from a facility that simply can't remove all of the toxic and radioactive pollutants in fracking's waste stream.

Sincerely,  
Susan Williams  
74 East Dr  
Hartville, OH 44632  
swilliams@dkc-cpa.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

The reach of these impacts is far when pipelines snake outwards from gas wells in fracked regions, slashing across streams, rivers, through forests and farms, people's backyards, parks, preserves and town centers. The path of destruction travels to fuel gas-fired power plants, processing facilities such as plastic manufacturers, and to export facilities that carry natural gas liquids to distant shores to spread the pollution of fracking further than most would have imagined.

Sincerely,  
ADRIENNE GALLAGHER  
81 West Park Ave  
Sellersville, PA 18960  
agalsw@verizon.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Even though your draft regulations don't address pipelines and other infrastructure, the fact that you are proposing to allow fracking waste to be brought into the basin and clean water to be taken out will enable more fracking in our neighboring watersheds, a repugnant and unethical concept. And more fracking means more pipelines, more infrastructure, more polluting power plants and gas processors, here as well as there.

Sincerely,  
Lori Malloy  
270 West End Ave  
NY, NY 10023  
malloystuff@yahoo.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

And the impacts are long-lived “ one reason is the persistent nature of radioactivity in waste produced by fracking. Radium 226's half-life is 1600 years but you wouldn't know it by the way regulators and the industry handle it. Most wastewater today is injected into œdisposal wells that are really only storage sites that move this highly toxic waste to another place and time “ to be someone's else problem one day. Unfortunately, earthquakes in many of the locations where these over-stuffed wells are located spread and extend the harm that fracking causes. Your draft regulations would allow œstorage of wastewater - I register my opposition to any storage, whether in injection wells, basins, tanks or pits, of frack waste. It should not be allowed to be imported to the Watershed at all.

Sincerely,  
Gary Dreiblatt  
501 West 110th Street  
New York, NY 10025  
ainlogd@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I see no way that DRBC can keep up with enforcing the regulations, controlling the monster that would be let loose, should fracking occur here, should wastewater be dumped here or if water is allowed to be depleted for fracking. The Commission relies on the watershed states' environmental regulators to carry out enforcement of the rules it sets but these agencies are chronically understaffed and underfunded. It is unreasonable for the DRBC to place on state regulators the burden of enforcement of dangerous practices like fracking waste processing and extraction of water for fracking operations outside of the basin. The only way to protect the Watershed from myriad adverse impacts of fracking is to COMPLETELY ban it, BAN IT ALL. I ask you to do that, for our sake and for our future generations.

Sincerely,  
Henry Garcia  
33-37 83 Street  
Jackson Hts, NY 11372  
hg3187@hotmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

There is NO reason to allow fracking, or any of its byproducts, ANYWHERE in these United States, ESPECIALLY near any water sources. The ONLY ones to profit from fracking are the companies proposing it, with NO regard for the land, the air, the water, or the people who will be directly affected by this process. We must be good stewards of the resources we are given, especially if we want to pass them along to our children.

Sincerely,  
Eleonora Karanauskas  
140 Riverside Drivr  
New York, NY 10024  
peakvillek@yahoo.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

You MUST ban fracking, water withdrawals for fracking, and wastewater storage and disposal to protect our families' health and keep our water clean. Once the water is tainted and gone, it will be the end of life as we know it. Sad and Pathetic! GREED .

Sincerely,  
Darlene Griffin  
608 Beaverkill Road  
Olivebridge , NY 12461  
darlenegriffin@gmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

This short term thinking which may lead to fracking near and at the expense of clean water sources in heavily populated areas, is plainly wrong.

Sincerely,  
Yva Eastcott  
151 Eagles Nest Rd  
Hurley, New York 12443  
eastcott@sprintmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

- The DRBC's draft regulations do not address pipelines or any of the other infrastructure build-out occurring in the basin. Nevertheless, the regulations that would allow fracking waste to be brought into the basin and clean water to be taken out enable more fracking. And more fracking means more pipelines, more infrastructure, more gas-fired power plants and processing facilities, more toxic wastewater injection wells, more radioactive drilling waste and discharge facilities, more export of fracking's pollution.
- The DRBC is considering fracking regulations it is not capable of enforcing. State regulatory agencies are chronically understaffed and underfunded. It is unreasonable to expect the burden of enforcement of dangerous practices like fracking waste processing and extraction of water for fracking on agencies that already can't keep up with the industry.
- DRBC's draft regulations do not specifically propose that injection wells that would hold frack wastewater be allowed in the Delaware River Watershed. However, they do propose storage of frack wastewater so it could occur. These dangerous wells are causing earthquakes and have leaked into aquifers but the industry and regulators still allow them. Injection wells that would store frack wastewater in the Delaware River watershed endanger the water supplies for over 15 million people now and for years to come.

Sincerely,  
Peggy Atwood  
PO Box 225  
Shokan, NY 12481  
patwood@netstep.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Save our waterways.

Sincerely,  
Dawn Clark  
5601 English Setter Ct  
N. Ches, Virginia 23237  
chesclark@hotmail.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

"To the DRBC Commissioners:

I support a COMPLETE BAN on fracking in the Delaware River Watershed. I oppose your proposal to allow wastewater produced by fracking to be stored, treated, or discharged within the Delaware River Watershed. I oppose your proposal to allow water from the Delaware River Watershed to be exported to fuel fracking elsewhere. I support a full and permanent ban on fracking and its activities throughout the Delaware River Watershed.

There are many negative impacts from fracking and its activities that are being experienced where fracking is occurring. Some of the harm is done locally to the streams, forests, wetlands, groundwater wells, air quality, species and habitats where frack sites are being built, gas wells are being drilled and fracked, streams are being raided for water, and wastewater is being discharged. Some of the harm is regional, affecting water supplies downstream from where a forest is decimated into a denuded industrial landscape or frack wastewater is discharged from a facility that simply can't remove all of the toxic and radioactive pollutants in fracking's waste stream.

The reach of these impacts is far when pipelines snake outwards from gas wells in fracked regions, slashing across streams, rivers, through forests and farms, people's backyards, parks, preserves and town centers. The path of destruction travels to fuel gas-fired power plants, processing facilities such as plastic manufacturers, and to export facilities that carry natural gas liquids to distant shores to spread the pollution of fracking further than most would have imagined.

Even though your draft regulations don't address pipelines and other infrastructure, the fact that you are proposing to allow fracking waste to be brought into the basin and clean water to be taken out will enable more fracking in our neighboring watersheds, a repugnant and unethical concept. And more fracking means more pipelines, more infrastructure, more polluting power plants and gas processors, here as well as there.

And the impacts are long-lived " one reason is the persistent nature of radioactivity in waste produced by fracking. Radium 226's half-life is 1600 years but you wouldn't know it by the way regulators and the industry handle it. Most wastewater today is injected into œdisposal wells that are really only storage sites that move

this highly toxic waste to another place and time “ to be someone's else problem one day. Unfortunately, earthquakes in many of the locations where these over-stuffed wells are located spread and extend the harm that fracking causes. Your draft regulations would allow æstorage of wastewater - I register my opposition to any storage, whether in injection wells, basins, tanks or pits, of frack waste. It should not be allowed to be imported to the Watershed at all.

I see no way that DRBC can keep up with enforcing the regulations, controlling the monster that would be let loose, should fracking occur here, should wastewater be dumped here or if water is allowed to be depleted for fracking. The Commission relies on the watershed states' environmental regulators to carry out enforcement of the rules it sets but these agencies are chronically understaffed and underfunded. It is unreasonable for the DRBC to place on state regulators the burden of enforcement of dangerous practices like fracking waste processing and extraction of water for fracking operations outside of the basin. The only way to protect the Watershed from myriad adverse impacts of fracking is to COMPLETELY ban it, BAN IT ALL. I ask you to do that, for our sake and for our future generations.  
Sincerely,

Additional Background information to be used to craft your own comment, if you wish:

#### INFRASTRUCTURE

According to the Pipeline and Hazardous Materials Safety Administration (PHMSA), in 2017, there were 17,840 miles of natural gas transmission and gathering lines in the four watershed states. The information comes to PHMSA in the annual reports received from pipeline operators.[i] It's worth noting that Pennsylvania is only one of two states that doesn't have one regulatory authority that oversees all intrastate pipelines[ii], so it's not clear if PHMSA's numbers are accurate.

New York “ 4,635 (Transmission and Gathering)

New Jersey “ 1,578 (Transmission)

Pennsylvania “ 11,278 (Transmission and Gathering)

Delaware “ 349 (Transmission)

Transmission lines have served as the conduit that connects fracking in Pennsylvania to power plants, processing facilities, export facilities, and other infrastructure projects that have spread through the state and across its borders into neighboring states. In the final report of the Pipeline Infrastructure Task Force, PA DEP chief John Quigley said that within a few years, æIn the next decade, Pennsylvania will undergo a substantial pipeline infrastructure build-out to transport gas and related byproducts from thousands of wells throughout the state[. The result will impact communities and the environment in every PA County. [iii]

The DRBC's draft regulations do not address pipelines or any of the other infrastructure build-out occurring in the basin. Nevertheless, the regulations that would allow fracking waste to be brought into the basin and clean water to be taken out enable more fracking. And more fracking means more pipelines, more infrastructure.

## ENFORCEMENT

The DRBC is considering fracking regulations it is not capable of enforcing. The Commission relies on the watershed states' environmental regulators to carry out enforcement of the rules it sets. State regulatory agencies are chronically understaffed and underfunded. It is unreasonable for the DRBC to place on state regulators the burden of enforcement of dangerous practices like fracking waste processing and extraction of water for fracking operations outside of the basin.

## INJECTION WELLS

DRBC's draft regulations do not specifically propose that injection wells that would hold frack wastewater be allowed in the Delaware River Watershed. However, they do propose to allow wastewater from fracking to be brought into the Watershed for storage, treatment and discharge so storage could mean long-term storage of wastewater in underground wells within the Basin. This is a practice that threatens public health and the environment. Injection of wastewater does not treat waste or remove [iv]contaminants, it simply moves the toxic wastewater produced by fracking from one place and time to another. It risks the migration of untreated toxic and radioactive frack wastewater to aquifers and surface water through leaks from the injection well and spills and accidental releases while being handled. Injection wells are causing earthquakes in Ohio[v] and Oklahoma[vi] as well as other locations, as documented by USGS and other scientific institutions.[vii] Injection wells are not leak-proof and can exposing groundwater and aquifers to contamination from the toxic mix that constitutes untreated frack wastewater when seals are broken and fractures occur as a result of seismic activity.

## LAND AND HABITAT IMPACTS OF FRACKING

When a site is developed for gas well development, the change is dramatic, essentially transforming the land to an industrial landscape. The result is destruction of acres of vegetation (8.8 acres per well pad in 2011 with 30 acres of forest impacts due to edge effects,[viii] more than double that is the trend today), soil compaction and destruction of the natural land contours, alterations to watershed drainage patterns, and hydrologically connected systems such as wetlands and vernal pools. Habitats and complex ecosystems are disrupted or lost.[ix] 85% of the Upper Delaware where the Marcellus Shale is located is forested. Forest destruction and fragmentation in turn destroys the ability of the forest ecosystem to capture, clean, and infiltrate precipitation[x], removes the trees that sequester carbon, reduces biodiversity, encourages invasive species, and destroys vital habitat.

## STREAM IMPACTS OF FRACKING

Changes to stream water quality occur where gas drilling and related activities are located. For instance, a publication of the Proceedings of the National Academy of Sciences found streams adjacent to gas wells are negatively impacted by runoff and sedimentation (Total Suspended Solids), harming benthic life, fish and wildlife and causing streams to be eroded and destabilized.[xi] DRBC follows the state's stormwater rules where a project is located, leaving loopholes in current nonpoint source laws that allow fracking activities to escape strict oversight. This would be a

recipe for disaster if fracking were to occur, which is why it must be banned in the Delaware River Watershed.

#### IMPACTS TO CRITICAL ECOLOGICAL FLOWS

DRBC regulates withdrawals from streams with the use of a pass-by flow or a minimum flow limit that limits the amount of water that can be withdrawn to protect streams from being overdrawn. However, a pass-by flow that is based on using the Q7-10 (the flow which occurs for a period of seven consecutive days one time in 10 years “ considered a drought flow ) is not adequate to protect waterways and the life that depends on them[xii] and can be expected to cause direct harm to the habitats and water quality of the stream.[xiii] Using the Q7-10 allows the stream’s flow to be artificially flattened because the natural flow regime and seasonality will be disrupted and potentially eliminated. An ecological flow analysis of the waterway and an inventory of the species and habitats that live there is an essential protection. To set an ecological flow to govern withdrawals regulators must measure the natural variation of the waterway’s flows in terms of volume, rate, temperature, stream structure, and quality to understand the needs of species and the effects of flow on habitat and water quality. Setting protections based on a waterway’s ecological flow regime is necessary to give needed protection but that is not what DRBC does or is proposing to do. The withdrawal of water under the draft and current regulations will significantly damage the ecosystems and species of the streams and rivers that would be tapped.

[i] <https://hip.phmsa.dot.gov/analyticsSOAP/saw.dll?Portalpages>

[ii] <https://stateimpact.npr.org/pennsylvania/tag/pipelines/>

[iii]

[http://files.dep.state.pa.us/ProgramIntegration/PITF/PITF%20Report%20Webinar\\_JQ.pdf](http://files.dep.state.pa.us/ProgramIntegration/PITF/PITF%20Report%20Webinar_JQ.pdf)

[iv] <https://scits.stanford.edu/holland-2011-examination-possibly-induced-seismicity-hydraulic-fracturing-eola-field-garvin-county>

[v] <http://www.dispatch.com/news/20170404/ohio-investigates-cause-of-weekend-earthquake-in-drilling-region>

[vi] Akob, D.M., Mumford, A.C., Orem, W., Engle, M.A., Klinges, J.G., Kent, D.B., & Cozzarelli I.M. (2016). Wastewater Disposal from Unconventional Oil and Gas Development Degrades Stream Quality at a West Virginia Injection Facility. *Environ. Sci. Technol.* 50, 5517~5525

[vii] [https://www.usgs.gov/faqs/how-hydraulic-fracturing-related-earthquakes-and-tremors?qt-news\\_science\\_products=0#qt-news\\_science\\_products](https://www.usgs.gov/faqs/how-hydraulic-fracturing-related-earthquakes-and-tremors?qt-news_science_products=0#qt-news_science_products)

[viii] Kiviat, E., & Schneller-McDonald, K. (2011). Fracking and Biodiversity: Unaddressed Issues in the New York Debate. *News from Hudsonia*, Vol. 25, No. 1 & 2. Retrieved from <http://hudsonia.org/wp-content/uploads/2012/01/nfh-Fracking-biodiversity-best.pdf>

[ix] Ibid.

[x] Robert A. Smail & David J. Lewis, Forest Service, U.S. Dep't of Agric., Forest Land Conversion, Ecosystem Services, and Economic Issues for Policy: A Review 12 (2009), [www.fs.fed.us/openspace/fote/pnw-gtr797.pdf](http://www.fs.fed.us/openspace/fote/pnw-gtr797.pdf)

[xi] Olmstead, et.al. "Shale gas development impacts on surface water quality in Pennsylvania", Proc Natl Acad Sci U S A. 2013 Mar 26; 110(13): 4962-4967.

Published online 2013 Mar 11. Doi: 10.1073/pnas.1213871110, PMID:

PMC3612605 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3612605/>

[xii] Instream Flows for Riverine Resource Stewardship, Instream Flow Council, Cheyenne, Wyoming, 2004, page178.

[xiii] Ibid. Page178-179

"

Sincerely,  
Anne Stedge-Outwater  
2 Hewitt Pl  
Kingston, NY 12401  
[anstedge@msn.com](mailto:anstedge@msn.com)

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Decadent and evil to harm folks for any reason.

Sincerely,  
Liane Casten  
1107 Greenleaf  
Wilmette, IL 60091  
lcasten@sbcglobal.net

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

there is no reason whatsoever for fracking or anything related to fracking in the delaware river basin. we ought to be focusing on renewal energy sources rather than contaminating our water and environment.

Sincerely,  
Chris Rosenthal  
698 McKee Hill Rd  
East Meredith, NY 13757  
chris@chrisrosenthal.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 29, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

The DRBC's draft regulations do not address pipelines or any of the other infrastructure build-out occurring in the basin. Nevertheless, the regulations that would allow fracking waste to be brought into the basin and clean water to be taken out enable more fracking. And more fracking means more pipelines, more infrastructure, more gas-fired power plants and processing facilities, more toxic wastewater injection wells, more radioactive drilling waste and discharge facilities, more export of fracking's pollution.

- The DRBC is considering fracking regulations it is not capable of enforcing. State regulatory agencies are chronically understaffed and underfunded. It is unreasonable to expect the burden of enforcement of dangerous practices like fracking waste processing and extraction of water for fracking on agencies that already can't keep up with the industry.

- DRBC's draft regulations do not specifically propose that injection wells that would hold frack wastewater be allowed in the Delaware River Watershed. However, they do propose storage of frack wastewater so it could occur. These dangerous wells are causing earthquakes and have leaked into aquifers but the industry and regulators still allow them. Injection wells that would store frack wastewater in the Delaware River watershed endanger the water supplies for over 15 million people now and for years to come.

Sincerely,  
John and Janice Hahn  
159 West Shore Road  
Shohola, PA 18458  
jandjhahn@yahoo.com

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Please protect the Delaware and the drinking water. Not just for me but for future generations.

The chemicals in fracking fluids will migrate to drinking water aquifers and to the surface "" it is not a question of 'if' , but 'when' . Considering groundwater flow, time, and the corrosive downhole environment created by gas extraction processes, including the lack of durability of the cement sealant and steel well casings, aquifers and surface waters are not sufficiently isolated from the toxic fluids and deep geology pollutants that are distributed by drilling and fracking. Aquifers could be impacted quickly, such as when there is a faulty cement seal or casing during construction, or over time. But it is certain that the life of the cement and/or steel (usually 80 to 100 years or less) is less than the life of the aquifer - so even if there is no evidence in the near term, the eventual pollution likely occur in less than a century--ruining water sources for the generations that will follow.

Sincerely,  
Tanya Dobbs  
1712 Bridge Lane  
Upper Black Eddy , PA 18972

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Greetings!

As a small farmer who wants to see our ecosystems safeguarded for future generations, I support developing clean, renewable energy solutions rather than perpetuating our reliance upon fossil fuels like natural gas. I support a ban on fracking and also support prohibiting wastewater storage, processing, and discharge. Lastly I believe that we should prohibit the export of Delaware River water to be used for fracking elsewhere.

The Delaware River Basin Commission's (DRBC) proposal to allow Centralized Waste Treatment facilities that would import into the Basin wastewater produced by fracking containing toxic and radioactive substances jeopardizes the water quality of the Delaware River Basin. DRBC themselves says that disposal of frack wastewater poses 'significant risk' if the wastewater is not properly managed. Spills at these fracking facilities are unavoidable and, according to the US Environmental Protection Agency (EPA) and DRBC, can pollute both surface and groundwater resources. EPA reports that in Pennsylvania spills have caused pollution outside the basin where fracking is occurring and that 457 fracking related spills occurred between January 2006 and April 2012 in eleven states due to equipment failure, human error, failure of container integrity, and other causes. DRBC does not even have an enforcement division; CWTs must be prohibited from accepting wastewater produced by fracking to prevent spill pollution.

Thank you for your time,

Mark Canright

Sincerely,  
Mark Canright  
8 Deboer Farm Ln  
Asbury, New Jersey 8802

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Hi there,  
As a local concerned citizen I support banning fracking and transitioning to renewables like solar and wind energy. These generate clean, sustainable jobs, help us achieve energy independence and keep our air and water clean.

I think that we should ban fracking and should also prohibit wastewater storage, processing, and discharge. We also would be wise to prohibit the export of Delaware River water to be used for fracking elsewhere. I am concerned that there's no national set of standards that guides this fracking wastewater treatment process. The EPA notes that the Clean Water Act's guidelines were developed before fracking even existed so no federal treatment or design standards have been adopted by the federal government to establish uniform effective treatment. Scientists have conducted relatively little assessment of the wastewater to ensure it is safe after being treated. In fact, evidence of the lack of the effective removal of pollutants by frack wastewater treatment plants is found in reports that measure contaminants in sediments and surface water below frack treatment plants such as high chloride concentrations in Pennsylvania waterways. It is known that chloride is difficult to remove at high concentrations, toxic to fish and negatively impacts water quality. (Olmstead et al, PNAS Vol. 110, No. 13, PP 4962-4967, 2013). It is not safe to risk this contamination; it must be banned.

Thanks,  
Rebecca

Sincerely,  
Rebecca Canright  
8 Deboer Farm Ln  
Asbury, New Jersey 8802

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Hello.

I am writing as a mother who cares about her children's future and I absolutely oppose fracking. I believe our regional governing bodies like the DRBC should also prohibit wastewater storage, processing, and discharge, as well as prohibit the export of Delaware River water to be used for fracking elsewhere.

Radioactive materials, including radium, are in the wastewater produced by fracking, as reported by DRBC themselves. A study by Duke University of treated wastewater from fracking shows that radium concentrations in a Pennsylvania creek downstream of a frack wastewater facility were roughly 200 times higher than background levels. Radium 226 has a half-life of 1600 years and is linked to cancer. The removal of radium is expensive and difficult and the final residue would need to be handled similar to nuclear waste. (Vengosh et al, Environ. Sci. Technol., 2013, 47 (20), DOI: 10.1021/es402165b, pp 11849-11857, 2013). The DRBC must not allow any potential for the Watershed's residents and environment to be exposed to these levels of radioactivity; banning it is the only responsible course of action.

Sincerely,  
Amy Hansen  
8 Deboer Farm Ln  
Asbury, New Jersey 8802

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I will be 80 this October so water issues will not affect me dramatically at this point of my life. But I have a son and a daughter and three grandchildren. My son and daughter were born and raised in New York and my two granddaughters and grandson were also born in New York and have spent many years in Chenango County. An Army brat, born in Wisconsin, I have lived many decades in New York and four decades in south central New York. I commuted for twelve years on a weekly basis to New York City for work, only to learn upon retiring from the NYC DOE that natural gas companies were intent on fracking in New York. The next years of my life were spent contesting that intent. Now to learn that it is possible for the state of New York to allow the treatment of frack waste water in the Delaware River Basin strikes me as the most absurd and insane of obscenities. If water is life, vote for life, not for a process that surely will curtail if not kill life. Thank you. Did I and many others not work hard, so very hard, to secure a prosperous and healthy future for our children and grandchildren? Yes, we did. And it is the responsibility of our state to protect the health of our environment, not settle for short term gain of a few.

Sincerely,  
katharine dawson  
1008 Gospel Hill Road  
Guilford, NY 13780

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Let the profiteers pay to safely remove the contaminants they have created; & dispose of the fracking fluids to not include our waterways -  
Let the profiteers contain and make safe those contaminants for many hundreds of years. In the distant future , there may be a respect for science and a consensus of learned intelligence, will & technology to not Poison ourselves with the "intelligent" technology we now bow to.

Sincerely,  
georgette pascotto  
110 fords rd  
honesdale, pa 18431

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

-- Radioactive materials, including radium, are in the wastewater produced by fracking, as reported by DRBC themselves. A study by Duke University of treated wastewater from fracking shows that radium concentrations in a Pennsylvania creek downstream of a frack wastewater facility were roughly 200 times higher than background levels. Radium 226 has a half-life of 1600 years and is linked to cancer. The removal of radium is expensive and difficult and the final residue would need to be handled similar to nuclear waste. (Vengosh et al, Environ. Sci. Technol., 2013, 47 (20), DOI: 10.1021/es402165b, pp 11849-11857, 2013). The DRBC must not allow any potential for the Watershed's residents and environment to be exposed to these levels of radioactivity; banning it is the only responsible course of action.

Sincerely,  
kevin mcdaniel  
PO Box 376  
Hurleyville, New York 12747

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Stop frack our waterway!

Sincerely,  
Wendy Im  
784 Cattail rd.  
Livingston Manor , New york 12758

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I view the DBRC's proposal to allow treatment facilities for fracking wastewater containing toxins and radioactive materials as highly dangerous. Spills will occur, they always do, and the watershed will be contaminated by substances that are very resistant to breakdown. And the effectiveness of the wastewater treatment itself has not been verified. The only wise response to the DBRC's proposal is to ban it.

Sincerely,  
John Gittins  
5 Bell Street  
North Brookfield , MA 1535

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

-- Radioactive materials, including radium, are in the wastewater produced by fracking, as reported by DRBC themselves. A study by Duke University of treated wastewater from fracking shows that radium concentrations in a Pennsylvania creek downstream of a frack wastewater facility were roughly 200 times higher than background levels. Radium 226 has a half-life of 1600 years and is linked to cancer. The removal of radium is expensive and difficult and the final residue would need to be handled similar to nuclear waste. (Vengosh et al, Environ. Sci. Technol., 2013, 47 (20), DOI: 10.1021/es402165b, pp 11849-11857, 2013). The DRBC must not allow any potential for the Watershed's residents and environment to be exposed to these levels of radioactivity; banning it is the only responsible course of action.

Sincerely,  
Terry Asbury  
62 quiet Acres Rd  
Clarksburg, WV 26301

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

We absolutely DO NOT need fracking anywhere in NYS, but especially not in the Catskills or Adirondacks or near any of our rivers. Ban fracking statewide now!

Sincerely,  
Frank Zarb  
5831 246th Crescent  
Little Neck, NY 11362

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

No fracking wastewater in the Delaware River Basin! Period! Please... protect us from contamination of a frightenly limited indispensable resource. Pure water.

Sincerely,  
Roland McDonald  
25 Carriage Drive  
Red Hook , New York 12571

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

February 23, 2017

Dear Commission

I am writing to you concerning fracking and fracking wastes in the Basin and the public health and safety concerns that I think we would all have if we understood the scope of the problems possible.

The dangers of contamination from the drilling (including for example removal of and disposal of drill cutting is just the beginning of the the accumulation of toxic and radioactive waste products) and threats to public health are beginning to be seen in Pennsylvania and other drilling locals and let us bear in mind that this technology in 'production use' is only about 12 years old. And the stories do not get better.

Also as poisons accumulate in our landfills - or left over in the shale bore hole to possible migrate up to the aquifers that are often above the horizontal final bore. The removed liquid wastes have no proven method to be treated and made safe to use - and each fracking commits 800,000 to a million gallons of fresh water to poison almost forever.

We do not want to see tens or hundreds of Love Canals developing in our watershed - do we?

Please do the correct thing and ban any fracking activity or waste or even 're-cycling' in our pristine water shed.

Sincerely

Vincent Brancato  
545 West 111 Street  
New York, NY 10025

Sincerely,  
Vincent Brancato  
545 West 111 Street  
New York, NY 10025

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

The Delaware River Basin Commission's (DRBC) proposal to allow Centralized Waste Treatment facilities that would import into the Basin wastewater produced by fracking containing toxic and radioactive substances jeopardizes the water quality of the Delaware River Basin. DRBC themselves says that disposal of frack wastewater poses 'significant risk' if the wastewater is not properly managed. Spills at these fracking facilities are unavoidable and, according to the US Environmental Protection Agency (EPA) and DRBC, can pollute both surface and groundwater resources. EPA reports that in Pennsylvania spills have caused pollution outside the basin where fracking is occurring and that 457 fracking related spills occurred between January 2006 and April 2012 in eleven states due to equipment failure, human error, failure of container integrity, and other causes. DRBC does not even have an enforcement division; CWTs must be prohibited from accepting wastewater produced by fracking to prevent spill pollution.

Thank you for protecting our environment and our children.  
Robert Cusick

Sincerely,  
Robert Cusick  
18 Greenlawn Road  
Cortlandt Manor, New York 10567

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

The groundwater, creeks, streams, lakes will be compromised! I have just returned from a visit and the local economies has always depended on their resources. Do not sell out some quick profits for a short term energy source and compromise everything that make the Catskills a historically wonderful asset for the state. I have visited there to camp, fish and ski my entire life and that will end if you ruin why we visit. The locals are vehemently opposed to this!

Sincerely,  
Matt Stedman  
23 Gloucetser Ave  
Montauk, NY 11954

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

You must protect the Delaware River Basin and prevent any contamination from fracking Waste. The only way to guarantee this does not happen is to ban the fracking companies from processing any waste that feeds into the river basin. History has told us that even the most stringent regulation and oversight does not guarantee there will not be contamination. The economics of fracking are so favorable that those companies can easily afford to treat and dispose of their waste at other locations. You will only have one opportunity to get this right, please do not take the risk of contamination to the Delaware River Basin.

Sincerely,  
Edward Comeau  
11 Woodfield Lane  
Saddle River, New Jersey 7458

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Dear Commissioners, I write in support of a total ban of fracking AND ALL related activities such as the dumping or transport of frack water anywhere within the Delaware Watershed because imperiling the River in any way is simply too dangerous for too many millions of people.

Additionally, I urge to ban the taking of water for the purpose of fracking from the Delaware or any of its tributaries. The Watershed already suffers from thermal pollution caused by too little water flow volume and the taking of water for fracking can only exacerbate that problem. And then there is the salt line to consider. That problem too would be worsened were the taking of water from the watershed permitted.

Sincerely, Mark Smith

Sincerely,  
mark smih  
502 W Prospect Ave  
North Wales, Pennsylvania 19454

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Treatment and disposal of fracking waste cannot be accomplished in a safe fashion. Please don't even consider allowing "treated" or untreated fracked wastewater to enter any part of any watershed, and in this case, the Delaware and its tributaries. It would negatively impact the flora, fauna, and humans that depend on the Delaware for basic necessities, like living!

Sincerely,  
Tim O'Leary  
9 Samantha Lane  
Hyde Park, New York 12538

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

The Delaware River Basin Commission's (DRBC) proposal to allow Centralized Waste Treatment facilities that would import into the Basin wastewater produced by fracking containing toxic and radioactive substances jeopardizes the water quality of the Delaware River Basin. Spills at these fracking facilities are unavoidable and, according to the US Environmental Protection Agency (EPA) and DRBC, can pollute both surface and groundwater resources. Radioactive materials, including radium, are in the wastewater produced by fracking, as reported by DRBC themselves. Radium 226 has a half-life of 1600 years and is linked to cancer. The removal of radium is expensive and difficult and the final residue would need to be handled similar to nuclear waste. The DRBC must not allow any potential for the Watershed's residents and environment to be exposed to these levels of radioactivity; banning it is the only responsible course of action.

Sincerely,  
Susan Wald  
10 River Rd  
Roosevelt Island, NY 10044

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

There's no national set of standards that guides this treatment process. The EPA notes that the Clean Water Act's guidelines were developed before fracking even existed so no federal treatment or design standards have been adopted by the federal government to establish uniform effective treatment. Scientists have conducted relatively little assessment of the wastewater to ensure it is safe after being treated. In fact, evidence of the lack of the effective removal of pollutants by frack wastewater treatment plants is found in reports that measure contaminants in sediments and surface water below frack treatment plants such as high chloride concentrations in Pennsylvania waterways. It is known that chloride is difficult to remove at high concentrations, toxic to fish and negatively impacts water quality. (Olmstead et al, PNAS Vol. 110, No. 13, PP 4962-4967, 2013). It is not safe to risk this contamination; it must be banned.

Sincerely,  
Douglas Kalucki  
3 Tulip Lane  
Holmdel, NJ 7733

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

DRBC, you cannot fail the 17 million American who get their drinking water from the Delaware. This includes me and my family, as our drinking water well is within the watershed and down at the level of the Delaware at our location. You cannot turn back all the progress made cleaning up the watershed in the late 1990s and beyond. This is essential. This is your charge!

The DRBC proposal to allow Centralized Waste Treatment facilities that would import into the Basin wastewater produced by fracking containing toxic and radioactive substances jeopardizes the water quality of the Delaware River Basin. DRBC themselves says that disposal of frack wastewater poses 'significant risk' if the wastewater is not properly managed. Spills at these fracking facilities are unavoidable and, according to the US Environmental Protection Agency (EPA) and DRBC, can pollute both surface and groundwater resources. EPA reports that in Pennsylvania spills have caused pollution outside the basin where fracking is occurring and that 457 fracking related spills occurred between January 2006 and April 2012 in eleven states due to equipment failure, human error, failure of container integrity, and other causes. DRBC does not even have an enforcement division; CWTs must be prohibited from accepting wastewater produced by fracking to prevent spill pollution. It is insanity to allow this disposal of fracking wastewater in our watershed.

It is also known that sometimes radioactive materials, including radium, are in the wastewater produced by fracking, as reported by DRBC themselves. A study by Duke University of treated wastewater from fracking shows that radium concentrations in a Pennsylvania creek downstream of a frack wastewater facility were roughly 200 times higher than background levels. Radium 226 has a half-life of 1600 years and is linked to cancer. The removal of radium is expensive and difficult and the final residue would need to be handled similar to nuclear waste. (Vengosh et al, Environ. Sci. Technol., 2013, 47 (20), DOI: 10.1021/es402165b, pp 11849-11857, 2013). The DRBC must not allow any potential for the Watershed's residents and environment to be exposed to these levels of radioactivity; banning it is the only responsible course of action.

We also realize there is no national set of standards that guides this treatment process. The EPA notes that the Clean Water Act's guidelines were developed before fracking even existed so no federal treatment or design standards have been adopted by the federal government to establish uniform effective treatment. Scientists have conducted relatively little assessment of the wastewater to ensure it is safe after being treated. In fact, evidence of the lack of the effective removal of pollutants by frack wastewater treatment plants is found in reports that measure contaminants in sediments and surface water below frack treatment plants such as high chloride concentrations in Pennsylvania waterways. It is known that chloride is difficult to remove at high concentrations, toxic to fish and negatively impacts water quality. (Olmstead et al, PNAS Vol. 110, No. 13, PP 4962-4967, 2013). It is not safe to risk this contamination; it must be banned.

DRBC, do the right thing and ban all forms of fracking and fracking waste products from the DRB watershed. You owe this to the 17 million of us that drink this water!!!

Sincerely,  
Gregory Sullivan

Sincerely,  
Gregory Sullivan  
230 Mapes Rd  
Barryville, NY 12719

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Do not allow wastewater treatment facilities in the Delaware River Basin to accept fracking wastewater! It is not worth the risk to our health and the health of the whole ecosystem. Eventually, a spill would happen and would contaminate the drinking water of everyone in the area with various toxins including radioactive substances! Please keep the water safe for the future! Don't let companies bring their waste into the area and risk everyone's health!

Sincerely,  
Lisa Topolovec  
232 Post Hill Road  
Mountaindale, New York 12763

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Please stop any commercial activities and/or practices that have the potential to pollute the Delaware River Basin.

Sincerely,  
Keith Messingschlager  
502 W. Seventh St.  
Traverse City, Michigan 49684

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

There is no reason with these proven facts of what fracking does to our water to our air and to desecrate the community reach search has shown the issues no Fracking please !

Sincerely,  
Robert Rauff Jr  
217 Cahoun Rd  
Greene , New York 13778

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

There's no national set of standards that guides this treatment process. The EPA notes that the Clean Water Act's guidelines were developed before fracking even existed so no federal treatment or design standards have been adopted by the federal government to establish uniform effective treatment. Scientists have conducted relatively little assessment of the wastewater to ensure it is safe after being treated. In fact, evidence of the lack of the effective removal of pollutants by frack wastewater treatment plants is found in reports that measure contaminants in sediments and surface water below frack treatment plants such as high chloride concentrations in Pennsylvania waterways. It is known that chloride is difficult to remove at high concentrations, toxic to fish and negatively impacts water quality. (Olmstead et al, PNAS Vol. 110, No. 13, PP 4962-4967, 2013). It is not safe to risk this contamination; it must be banned.

Sincerely,  
Matthew Matthew Fedlam  
1424 Aspen Street NW  
Washington, District of Columbia 20012

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Stop harmful practices

Sincerely,  
p b  
89  
ny, ny 10128

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Please protect the environment.

Sincerely,  
Randall Saad  
955 Beaverkill Rd  
Livingston Manor, New York 10257

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Reasons for health, reasons for climate change are highly important issues and any kind of gas extraction - is going to add more pollution that is already in this atmosphere. Unless you dislike people that live now and will be living in the future, the using of gas should have been stopped back multiple years ago. A scientist had a brilliant article:

John Schwartz  
@jswatz

Can we provide good lives for the seven billion people on Earth without wrecking the planet?

Daniel O'Neill of the University of Leeds and colleagues asked this enormous question in a recent paper in the journal Nature Sustainability and on an accompanying website.

Their answer is uncomfortable. After looking at data on quality of life and use of resources from some 150 countries, they found that no nation currently meets the basic needs of its citizens in a sustainable way. The nations of the world either don't provide the basics of a good life or they do it at excessive cost in resources, or they fail at both.

To Dr. O'Neill, an economist, this was something of a surprise. 'When we started, we kind of thought, "surely, out of 150 different countries, there will be some shining star" with a high quality of life and moderate resource use. 'We really didn't find that,' he said, pointing only to Vietnam as coming close to meeting both measures. The United States, on the other hand, provides a relatively high quality of life but fails on every measure of sustainability in the study. For example, it emits 21.2 metric tons of carbon dioxide per person per year, while the study's sustainability threshold is 1.6 metric tons.

Providing a good quality of life to everyone on the planet would require 'two to six times the sustainable level for resources,' Dr. O'Neill said. 'Something has to change.'

He did not say, however, that these findings doom humanity to poverty or environmental ruin. 'It doesn't tell us what's theoretically possible,' he said, noting that the study only projects the results of continuing with business as usual. The conclusions have caused a stir, especially in conservative circles. National Review denounced the paper as a call for 'global wealth distribution,' saying 'the goal clearly is a technocracy that will undermine freedom, constrain opportunity, not truly benefit the poor, and materially harm societies that have moved beyond the struggle for survival.'

Dr. O'Neill said that that reading of the paper missed the point " redistribution cannot solve the problem. Whoever owns the wealth, he said, 'We need to improve both physical and social provisioning systems.'

At the same time, global income inequality is an issue, he added wryly. 'I am all for taking away yachts and providing food, clean water and access to electricity to people in sub-Saharan Africa.'

Sincerely,  
Ruth Hardinger  
20 N Moore St  
New York, NY 10013

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Comments to the DRBC;

These comments were meant for the Jan. 23 Public Hearings on DRBC Draft Frack Rules and Proposed Ban. I was unable to attend last minute.

My Name is Kate Bowers (Kathleen M Bowers) from Long Eddy NY. I want to thank the DRBC for having this Moratorium on Fracking and all the issues related to the process. Now that we have had 8 years to study the issues around Fracking the science is clear. DRBC cannot allow Fracking, water withdrawals for fracking wastewater treatment and discharges to occur in the Delaware river basin'|EVER!

I was born near this river, grew up with the river and plan on growing old with my grandchildren in this river in the condition it is now. Clean and free flowing without contamination. There are also millions of people who depend on the river for drinking water.

To allow the wastewater discharges that have been proven to be toxic and radioactive into the river would be criminal. There is an article from last week which Duke university found Radioactivity in sediments at three disposal sites measured 650 times higher than normal in streams in Pennsylvania. Article here; [https://www.eurekalert.org/pub\\_releases/2018-01/du-rfo011918.php](https://www.eurekalert.org/pub_releases/2018-01/du-rfo011918.php)

Study after study by universities, scientists, EPA, DEP , DEC has proven that the fracking life cycle is hazardous to health and perpetuates climate change. I don't have time to read all of them because I only have 3 minutes. But I will include them in my written comments. Fracking life cycle is everything that happens from the mining of the silica sand in Minnesota ,operations at the drilling pad, the waste water, toxins, mud, the methane leaks that happen throughout the cycle, the byproducts like propane, the pipelines, the power plants, air pollution and pipelines to the consumer.

Today the economy is steering toward clean green sustainable energy and away from dirty fossil fuels .

People and state governments are divesting from natural gas and other fossil fuels and investing in green energy. Job growth from solar alone has been growing leaps and bounds. Technology is making it possible to move away from dirty fracking. So there are choices. We are not just against something we are for cleaner energy with more jobs, clean water, clean rivers and clean air.

Thank you,  
Kathleen M Bowers

Sincerely,  
Kathleen Bowers  
751 Basket Rd  
Long Eddy, NY 12760

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I am 18 years old. Allowing fracking, wastewater deposits, and water withdraws will have a negative impact on the Delaware River Basin. All my life I have gone swimming, been nourished by the water and enjoyed the beauty of the Delaware river. Please take action and make a decision that can make my generation proud. Think of the 15 million people who will either be drinking pristine water or contaminated water. Our health is important.

Sincerely,  
Iris Fen Gillingham  
669 Cattail Rd  
Livingston manor, NY 12758

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Comment on DRBCDraft Fracking Rules and proposed Ban  
Topic; Health Risks from Fracking

Several studies have been done on the health risks of living near fracking all over the country. One study published in a journal "Science of the total Environment" found that people who live within a half mile of a fracking site are at a higher risk of developing health problems because of the emissions during the well completion period. Toxic compounds are found in the air near these wells. they include benzene, ethylbenzene, toluene and xylene. (BTEX compounds)

Exposure to these compounds can give the residences nearby some terrible health issues such as eye, nose and throat irritation to difficulty breathing and lung impairments. Also dizziness, headaches fatigue, numbness in limbs, tremors. These compounds will also find themselves in the streams, lakes and ponds near the fracking sites and then flow into the Delaware river.

Thank you for having this 8 year moratorium so that these studies of how dangerous fracking is can be proven.

Sincerely,  
Kathleen Bowers  
751 Basket Rd  
Long Eddy, NY 12760

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Comments for DRBC draft Fracking rules and proposed ban  
Topic; Water use and contamination

Fracking uses way too much water. Millions of gallons just for the fracking. Then when they send the waste water to treatment plants water is again waisted. The Delaware and land around it cannot allow for the water withdrawls with this wasteful use of water. We all need to be conserving water at a time when we are experiencing more and more droughts.

Water is contaminated during the fracking process. the DRBC cannot allow the discharge of this so called "treated" contaminated water into the Delaware river. Millions of people depend on the river for their clean drinking water.

Thank you for giving us the time to study these issues around fracking and how they will impact us.

Sincerely,  
Kathleen Bowers  
751 Basket Rd  
Long Eddy, NY 12760

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Comments for the draft fracking rules and proposed ban  
Topic; Climate Change

Studies about methane leaks from Fracking have shown that the leaking of methane from all natural gas production is much worse than was first thought.

Starting with the drilling pad, the pipelines to the compressors stations, the compressor stations themselves, the pipelines to the power plants, the burning of the NG at the powers plants, and also the pipelines to the residences where families use the NG to heat the homes or cook. Every step of the journey leaks mass amounts of methane into the air which is a huge contributor to Climate Change. Below is several studies that prove this point. Climate change will change the Delaware river and the surrounding land. This will not be a good change. Thank you for allowing me to comment on this important issue.

<http://thehill.com/images/stories/blogs/energy/howarth.pdf>

<http://catskillcitizens.org/learnmore/Caultonetal.%202014.pdf>

<http://catskillcitizens.org/learnmore/ventingandleakinghowarth.pdf><https://>

[www.nytimes.com/2015/08/05/science/methane-leaks-may-greatly-exceed-estimates-report-says.html?action=click&contentCollection=Science&module=RelatedCoverage&region=EndOfArticle&pgtype=article](http://www.nytimes.com/2015/08/05/science/methane-leaks-may-greatly-exceed-estimates-report-says.html?action=click&contentCollection=Science&module=RelatedCoverage&region=EndOfArticle&pgtype=article)

Kathleen M Bowers

Sincerely,  
Kathleen Bowers  
751 Basket Rd  
Long Eddy, NY 12760

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Comments on DRBC fracking rules and proposed ban  
Topic; Economic benefit lies

When discussing the economic benefits of Fracking you only need to look at where fracking has already happened to see that what the industry tells us is not true. They claim that fracking will bring a huge amount of money to the area. This couldn't be farther from the truth. Of course the large land owners may make money but studies have shown that many of these people move away due to the impacts of the fracking like water, air and land contamination. The industry makes money too but the surrounding communities experience a different impact. Real estate, agriculture and tourism have been devastated. no one wants to live near drilling or visit the area. Land and water become contaminated. States take on the economic burden of fixing the roads even though the industry promises to cover those costs. therefore the tax payers get stuck with the cost. Tax payers pay for the health cost associated with fracking as well as the environmental damage. see article;  
[http://catskillcitizens.org/barth/unanswered\\_questions.pdf](http://catskillcitizens.org/barth/unanswered_questions.pdf)

Thank you for allowing the residences on and near the Delaware River to comment on this important issue.

Kathleen M Bowers

Sincerely,  
Kathleen Bowers  
751 Basket Rd  
Long Eddy, NY 12760

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

2/23/18 Hydraulic fracturing and its byproducts are a predictable, preventable ecological disaster already adversely affecting many area of the United States. Fracking and associated activities pollute the environment, destroy natural resources and wildlife habitats, and wreak economic havoc on taxpayers who more often than not, are left to pay for the futile efforts to clean up the mess left behind. History is replete with examples of the devastating aftereffects of such pollution disasters as the dumping of PCBs in the Hudson River (GE-decades in "clean up" and still not done), the chemical poisoning of Love Canal, NY (Hooker Chemical Company, massive Superfund cleanup site listed Sept.1984-September 2004 and still not safe or remediated), the horrific oil spills in Prince William Sound (Exxon,3/24/89, 10.8 million gallons of crude oil, declared one of the most devastating, human-caused environmental disasters in recorded history)and British Petroleum's Deep Water Horizon, (April 20, 2010, 210million gallons and still leaking.) There have been numerous environmental disasters wherever fracking activity has been allowed, in neighboring Pennsylvania and other states across the Nation. In all of these areas the chemical companies in charge have sworn there was no danger to human or animal life, and if problems should occur they would be cleaned up and the areas restored immediately.

If we have learned anything from these false assurances it is that there is no undo button for pollution. Once the air, land and ground water are poisoned, either by accident, idiocy or design, there is no way to reverse it. The only way to prevent pollution is to stop it before it happens. Therefor I call on the DRBC to permanently ban any fracking or other pollution related activities in or around the Delaware River Basin. Thank you for doing your job to protect the river, the environment, and the people and animals who depend on clean air, water and land to live. Star Hesse

Sincerely,  
Star Hesse  
7698 State Route 52  
Narrowsburg, New York 12764

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

The companies and corporations involved with fracking have proven themselves over and over again to care nothing for the environment, nor for the communities they invade, and they trample local control under the banner of "Energy Independence" and "Clean Natural Gas." Its not clean, its not natural, it pollutes our water, our air, and this industry doesn't play nice. They don't respect our politicians, local controls, or local citizens' concerns about their dirty practices. Do not allow energy companies conducting fracking operations to access the water of the Delaware River Basin. Do not allow them to dump their "produced water" into our watersheds. We can do better. We must do better. Water is life. Mni Wichoni. Our indigenous First Peoples know this. God fearing and God loving Christians know this. We knew this thousands of years ago. Act on this wisdom today.

"It will come about that every living creature which swarms in every place where the river goes, will live. And there will be very many fish, for these waters go there and the others become fresh; so everything will live where the river goes." Ezekiel 47:9

Thank you.

Sincerely,  
Heather Baines  
4109 Niblick Dr  
Longmont, CO 80503

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Radioactive materials, including radium, are in the wastewater produced by fracking, as reported by DRBC themselves. A study by Duke University of treated wastewater from fracking shows that radium concentrations in a Pennsylvania creek downstream of a frack wastewater facility were roughly 200 times higher than background levels. Radium 226 has a half-life of 1600 years and is linked to cancer. The removal of radium is expensive and difficult and the final residue would need to be handled similar to nuclear waste. (Vengosh et al, Environ. Sci. Technol., 2013, 47 (20), DOI: 10.1021/es402165b, pp 11849-11857, 2013). The DRBC must not allow any potential for the Watershed's residents and environment to be exposed to these levels of radioactivity; banning it is the only responsible course of action.

Sincerely,  
Maria Millar  
PO Box 231571  
New York, NY 10023

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

-- Radioactive materials, including radium, are in the wastewater produced by fracking, as reported by DRBC themselves. A study by Duke University of treated wastewater from fracking shows that radium concentrations in a Pennsylvania creek downstream of a frack wastewater facility were roughly 200 times higher than background levels. Radium 226 has a half-life of 1600 years and is linked to cancer. The removal of radium is expensive and difficult and the final residue would need to be handled similar to nuclear waste. (Vengosh et al, Environ. Sci. Technol., 2013, 47 (20), DOI: 10.1021/es402165b, pp 11849-11857, 2013). The DRBC must not allow any potential for the Watershed's residents and environment to be exposed to these levels of radioactivity; banning it is the only responsible course of action.

Sincerely,  
Jacinta Vine  
25 Anthony Crescent  
Kingswood, NSW 2747

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Consider the harm over the monetary profits!!! Money is printed, but we can not reprint an ecosystem!!!!

Sincerely,  
Deserie Quiñones  
800 S. Plain St. #1408  
Ithaca, NY 14850

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I live near the Neversink River in Godeffroy, NY. I believe it is very important to ban all use of fracking water anywhere within the Delaware River watershed. We must protect our fresh water resource in our community. Thank you.

Sincerely,  
Burton Thelander  
PO Box 15  
Godeffroy, NY 12729

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

As an avid user of the Delaware River, I urge you to protect it from fracking waste.

Sincerely,  
Denise Shapiro  
24 Camp Drive  
Selden, New York 11784

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Protecting our waters is vital and ensures a healthy future!

Sincerely,  
Kathryn Zumstein  
17 Laurel Shore Dr  
Harpwell, Maine 4079

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Given all the research that has been done regarding Fracking and the toxicity of the process, you would think the DRBC would be able to understand that the Delaware River Basin - the watershed - is not an appropriate location for siting a fracked water treatment plant. This watershed is an important dining water source and while the exact chemicals that are used in the fracking process are proprietary, enough is known about the wastewater and its toxic pollutants to know that such toxics, if leached, would eliminate the watershed as a drinking water source. Is this a risk the DRBC wants to take? Is this a risk the DRBC wants to inflict on the millions that rely on this watershed? Does the DRBC have the right to jeopardize such an element so critical to life? I think NOT.

Therefore, all Fracking related activities as well as any by-product must not be permitted but, instead, must be BANNED!!!

Sincerely,  
Naomi Zurcher  
161 Columbia Hts  
Brooklyn, NY 11201-2154

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

No Fracking in the Delaware River Basin!! I rely on clean water for my family.

Sincerely,  
Jessie Flores  
7516 Kiesel Terrace  
North Bergen , NJ 7047

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Please SAY NO to fracking anywhere within Delaware river watershed

Sincerely,  
Melissa Saunders  
57 Stonicker Dr  
Lawrenceville, NJ 8648

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

What will we do when there is NO clean water anywhere?

Sincerely,  
Mary Khalil  
3 Prospect St #2F  
New Rochelle, NY 10805

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

PLEASE DO NOT ALLOW fracking wastewater to be dumped into the Delaware River basin. My family spends many weekends kayaking and rafting down this beautiful river. We swim in the surrounding lake that is fed by the basin. We marvel at all the natural beauty and wildlife. It's the best way for me to maintain my sanity and optimism in this sometimes challenging world! PLEASE HELP!

Sincerely,  
Marc Kube  
248 Lakeview Drive  
Highland Lake, NY 12743

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Clean water is essential to life. It is that simple. Contamination of our water shed will affect the health of thousands of people.

Sincerely,  
Martha Scoppa  
32 Cold Spring Road  
Liberty, NY 12754

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I don't think anyone should have to deal with wastewater from fracking, plus all the rest of the damage done by fracking - we don't need more CO2 in the air.

Sincerely,  
Wanda Ballentine  
1181 Edgcumbe Rd. 314  
St. Paul, MN 55105

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Keep fracking wastewater out of the basin. No treatment. No discharge. Period.

Sincerely,  
Elena Wood  
186 Billy Hamlin Rd  
Cold Brook, New York 13324

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

As you reported yourselves, radioactive materials, including radium, are in the wastewater produced by fracking. A study by Duke University of treated wastewater from fracking shows that radium concentrations in a Pennsylvania creek downstream of a frack wastewater facility were roughly 200 times higher than background levels. Radium 226 has a half-life of 1600 years and is linked to cancer. You are actually considering allowing this radioactive poisoning of the land and water in the Delaware Basin. Do you really understand what you are saying? Have you ever heard of good results from putting radioactive water into our streams and people? Is this the legacy you want to leave because no matter what else the DRBC does for good they will be remembered for poisoning our water, our land, our children. Good luck with that.

Sincerely,  
Ken Dolsky  
21 Winfield Drive  
Parsippany, NJ 7054

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Human life and the earth is far superior to profit?

Sincerely,  
Mary Sullivan  
40 Ryerson Ave.  
Caldwell, NJ 7006

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

--The Delaware River Basin Commission's (DRBC) proposal to allow Centralized Waste Treatment facilities that would import into the Basin wastewater produced by fracking containing toxic and radioactive substances jeopardizes the water quality of the Delaware River Basin. DRBC themselves says that disposal of frack wastewater poses 'significant risk' if the wastewater is not properly managed. Spills at these fracking facilities are unavoidable and, according to the US Environmental Protection Agency (EPA) and DRBC, can pollute both surface and groundwater resources. EPA reports that in Pennsylvania spills have caused pollution outside the basin where fracking is occurring and that 457 fracking related spills occurred between January 2006 and April 2012 in eleven states due to equipment failure, human error, failure of container integrity, and other causes. DRBC does not even have an enforcement division; CWTs must be prohibited from accepting wastewater produced by fracking to prevent spill pollution.

-- Radioactive materials, including radium, are in the wastewater produced by fracking, as reported by DRBC themselves. A study by Duke University of treated wastewater from fracking shows that radium concentrations in a Pennsylvania creek downstream of a frack wastewater facility were roughly 200 times higher than background levels. Radium 226 has a half-life of 1600 years and is linked to cancer. The removal of radium is expensive and difficult and the final residue would need to be handled similar to nuclear waste. (Vengosh et al, Environ. Sci. Technol., 2013, 47 (20), DOI: 10.1021/es402165b, pp 11849-11857, 2013). The DRBC must not allow any potential for the Watershed's residents and environment to be exposed to these levels of radioactivity; banning it is the only responsible course of action.

-- There's no national set of standards that guides this treatment process. The EPA notes that the Clean Water Act's guidelines were developed before fracking even existed so no federal treatment or design standards have been adopted by the federal government to establish uniform effective treatment. Scientists have conducted relatively little assessment of the wastewater to ensure it is safe after being treated. In fact, evidence of the lack of the effective removal of pollutants by

frack wastewater treatment plants is found in reports that measure contaminants in sediments and surface water below frack treatment plants such as high chloride concentrations in Pennsylvania waterways. It is known that chloride is difficult to remove at high concentrations, toxic to fish and negatively impacts water quality. (Olmstead et al, PNAS Vol. 110, No. 13, PP 4962-4967, 2013). It is not safe to risk this contamination; it must be banned.

Sincerely,  
John and Janice Hahn  
159 West Shore Road  
Shohola, PA 18458

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Please seek alternative route! Fresh water is way too precious of a resource to risk it with chemicals that we have NO long term research on with human contact!

Sincerely,  
Ankit Gandhi  
19 1/2 FLOYD ST  
BILLERICA, MA 1821

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

How can you regulate what you don't know? Fracking companies do not have to disclose all of the chemicals in their fracking fluid. So you don't know what is in the flowback and in produced water. What we DO know is concerning enough to completely justify prohibiting fracking waste. Radioactive materials, including radium, are in the wastewater produced by fracking, as reported by DRBC themselves. A study by Duke University of treated wastewater from fracking shows that radium concentrations in a Pennsylvania creek downstream of a frack wastewater facility were roughly 200 times higher than background levels. Radium 226 has a half-life of 1600 years and is linked to cancer. The removal of radium is expensive and difficult and the final residue would need to be handled similar to nuclear waste. There is no national set of standards that guides this treatment process. The EPA notes that the Clean Water Act's guidelines were developed before fracking even existed so no federal treatment or design standards have been adopted by the federal government to establish uniform effective treatment. Scientists have conducted relatively little assessment of the wastewater to ensure it is safe after being treated. In fact, evidence of the lack of the effective removal of pollutants by frack wastewater treatment plants is found in reports that measure contaminants in sediments and surface water below frack treatment plants such as high chloride concentrations in Pennsylvania waterways. It is known that chloride is difficult to remove at high concentrations, toxic to fish and negatively impacts water quality.

Sincerely,  
Elizabeth Kelley  
91 Central Park West  
New York, NY 10023

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

As a nurse I am acutely aware of the relationship between clean water and good health. The dramatic rise in childhood cancers and in adults as well, should indicate the absolute necessity of untainted water. If a foreign power were threatening our water resource, our defense would be immediate. So too should you defend our water source in this case.

Sincerely,  
Carol Ann Brady, R.N.  
Box 57  
Valley Forge, Pa. 19481-0057

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Please do not poison our future. Water is life.

Sincerely,  
Meg Newman  
854 Cooley Rd.  
Parksville, NY 12768

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Proposed Draft Regulations Addressing Hydraulic Fracturing and Additional Clarifying Amendments

2/25/18 I urgently ask the DRBC to permanently ban any fracking, and/or related fracking activities (like the dumping of toxic fracked waste water), from anywhere in the Delaware River Basin and surrounding areas. Reams of factual, scientific data have established that activities related to the extraction, use, transportation and/or disposal of fossil fuels and waste constitute a ticking, but wholly preventable, environmental time bomb, that threatens to irrevocably poison our air, water, land and environment. The DRBC has the authority and the moral imperative to prevent this corrosive and deadly pollution, by permanently banning any fracking activities in the Delaware River Basin.

There is no undo button for pollution. The only way to prevent it is to stop pollution before it happens. Therefore I call on the DRBC to act in their regulatory capacity, to safeguard and protect our health, our land, air and water by issuing a permanent ban on all fracking and fracking related activities in the Delaware River Basin and surrounding areas.

The DRBC is charged with the responsibility to protect people, the river, and the environment. Please use your authority to permanently ban fracking activities in the river basin corridor. This will save lives, save money, protect the environment, and it is the right thing to do. Thank you for acting on this request to permanently ban fracking from the Delaware River Basin. Star Hesse

Sincerely,  
Star Hesse  
7698 State Route 52  
Narrowsburg, New York 12764

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Keep the Delaware River Basin clean, keep fracking waste water out! The clean up that WILL be necessary sooner or later will turn out to be IMPOSSIBLE!

Sincerely,  
Tanja israel  
67 deerhavren road  
mahwah, NJ 7430

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Where there is concern over the safety of such a long-lasting contamination to the watershed there ought to be extreme caution used. Once contamination from spills takes place, there is no turning back, and any short term gain is outweighed by a future risk of pollution to the watershed that will effect many generations to come. Fracking waste water, with presence of radioactive materials and high chloride concentrations, (Vengosh et al, Environ. Sci. Technol., 2013, 47 (20), DOI: 10.1021/es402165b, pp 11849-11857, 2013) and (Olmstead et al, PNAS Vol. 110, No. 13, PP 4962-4967, 2013), means there is a risk to human health and to wildlife. The lack of an enforcement division of the DRBC for overseeing the proposed waste water facility is very troubling and means the proposal should not be permitted; CWTs must be prohibited from accepting wastewater produced by fracking to prevent spill pollution.

Sincerely,  
Rachel Bacon  
130 East End Avenue Apt 17A  
New York, NY 10028

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

keep our water clean, please

Sincerely,  
Robert Kennedy  
200 CABRINI BLVD  
NEW YORK, NY 10033-1120

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Ban fracking in the Delaware river basin

Sincerely,  
Nia Hamilton  
P.O. box 892  
Livingston Manor, NY 12758

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

This is our water, we depend on the river for clean drinking water. The safety record of the fracking industry speaks for itself. One leak, one spill can compromise the river for millions of people. Protect the river and the people who depend on it -- don't allow withdrawal or discharge of fracking wastewater into the Delaware.

Sincerely,  
Jean MacFarlane  
102 Grayling Avenue  
Narberth, Pennsylvania 19072

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Irene Talley PhD, ret. Educator/Professor  
1919 Shipley Rd, Wilmington DE 19803  
Phone H: 302-654-9222, Email: talleyirene1@gmail.com  
2-26-18

Would you draw a clean tub of water in your house and set it aside because your drinking water is temporarily unavailable, and you want your family to have some clean water till the repairs are done? Then have all members of your family defecate and urinate in a pail for several days because you can't use the toilets till the water is fixed? Think about that.

Two waters: 1. a tub full of clean for drinking, 2. a pail full of urine and poop., maybe even vomit?

Then someone combines the two waters and feeds it to your family. You know it looks bad, smells bad, but you need water to survive, so you drink it all. You cook with it, wash with it, bathe in it.

That's analogous to putting the Delaware River water in one bucket and in a second one dumping fracking chemicals, radioactive materials, radium, oil, and salts.

Carcinogenic stuff! Analyze the fracking refuse water to come up with more contaminants. Don't believe they have 'cleaned the fracking refuse water up!' \_ Someone combines the two waters: Delaware River & Carcinogenic stuff, and feeds them to the thousands of people who need water. You know it looks bad, smells bad, but you need water to survive, so you drink it'| all of it. You cook with it, wash with it, bathe in it.

DON'T allow the Delaware River Basin Commission to dump fracking water into our Delaware River unless you would also allow the befouled bucket of water to be added to the clean water in the tub, in YOUR HOUSE. Is someone crossing the palms of the Commission with silver, to allow this dumping? Find out WHY they said: 'Yes, you can dump.' \_ Would everyone on the Commission allow this water to be piped to their houses for consumption FIRST? To their families?

Don't you remember how we befouled the Christiana River in Wilmington, Delaware? Are you going to allow the same to happen to the Delaware River? Did we NOT learn our lesson? When we boated 30 years ago with young-uns in the Christiana River, we had to tell the kids, 'close your mouth if you go under, so that

you don't drink the water.' \_ It can make you sick. The sewerage and chemicals are still being dumped there, by the way. You can't eat the fish out of the Christina River. Didn't Delaware learn our lesson yet?

Delaware's water table extends into Pennsylvania and into New Jersey. Any fracking refuse dumped in the water belonging to those two states will affect Delaware's drinking water and the water table. Write your congressmen/women and write to 'dockets.drbc.commentinput.com.' \_ and letters @delawareonline.com.

'Those who fail to learn from History are doomed to repeat it.' \_

Sincerely,  
irene talley  
1919 Shipley Rd  
Wilmington, DE 19803

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

The DRBC proposal to allow Centralized Waste Treatment facilities that would import into the Basin wastewater produced by fracking containing toxic and radioactive substances would have serious deleterious effects on the Delaware River Valley and watershed. It is unacceptable to risk these precious water ways and the health and recreational areas of millions of residents and visitors across multiple states. The responsibility to protect us from these cancer causing agents being introduced into our water supply is on you and you must ban this dangerous proposal and protect and serve the public's interest.

Sincerely,  
Peggy Bost  
121 Deerhaven Road  
Mahwah, NJ 7430

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

--The Delaware River Basin Commission's (DRBC) proposal to allow Centralized Waste Treatment facilities that would import into the Basin wastewater produced by fracking containing toxic and radioactive substances jeopardizes the water quality of the Delaware River Basin. DRBC themselves says that disposal of frack wastewater poses 'significant risk' if the wastewater is not properly managed. Spills at these fracking facilities are unavoidable and, according to the US Environmental Protection Agency (EPA) and DRBC, can pollute both surface and groundwater resources. EPA reports that in Pennsylvania spills have caused pollution outside the basin where fracking is occurring and that 457 fracking related spills occurred between January 2006 and April 2012 in eleven states due to equipment failure, human error, failure of container integrity, and other causes. DRBC does not even have an enforcement division; CWTs must be prohibited from accepting wastewater produced by fracking to prevent spill pollution.

-- Radioactive materials, including radium, are in the wastewater produced by fracking, as reported by DRBC themselves. A study by Duke University of treated wastewater from fracking shows that radium concentrations in a Pennsylvania creek downstream of a frack wastewater facility were roughly 200 times higher than background levels. Radium 226 has a half-life of 1600 years and is linked to cancer. The removal of radium is expensive and difficult and the final residue would need to be handled similar to nuclear waste. (Vengosh et al, Environ. Sci. Technol., 2013, 47 (20), DOI: 10.1021/es402165b, pp 11849-11857, 2013). The DRBC must not allow any potential for the Watershed's residents and environment to be exposed to these levels of radioactivity; banning it is the only responsible course of action.

-- There's no national set of standards that guides this treatment process. The EPA notes that the Clean Water Act's guidelines were developed before fracking even existed so no federal treatment or design standards have been adopted by the federal government to establish uniform effective treatment. Scientists have conducted relatively little assessment of the wastewater to ensure it is safe after

being treated. In fact, evidence of the lack of the effective removal of pollutants by frack wastewater treatment plants is found in reports that measure contaminants in sediments and surface water below frack treatment plants such as high chloride concentrations in Pennsylvania waterways. It is known that chloride is difficult to remove at high concentrations, toxic to fish and negatively impacts water quality. (Olmstead et al, PNAS Vol. 110, No. 13, PP 4962-4967, 2013). It is not safe to risk this contamination; it must be banned.

Sincerely,  
Joseph Quirk  
147 Avenue A #2R  
New York, New York 10009

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Fracking wastewater cannot be imported into, treated, or regulated in the watershed--it must be banned.

Sincerely,  
Jennifer Falsetta  
503 W121st St.  
New York, NY 10027

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

NO FRACKING WAY!

Sincerely,  
Michael Gary  
80 Van Cortlandt Pk. S.  
Bx., NY 10463

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

--The Delaware River Basin Commission's (DRBC) proposal to allow Centralized Waste Treatment facilities that would import into the Basin wastewater produced by fracking containing toxic and radioactive substances jeopardizes the water quality of the Delaware River Basin. DRBC themselves says that disposal of frack wastewater poses 'significant risk' if the wastewater is not properly managed. Spills at these fracking facilities are unavoidable and, according to the US Environmental Protection Agency (EPA) and DRBC, can pollute both surface and groundwater resources. EPA reports that in Pennsylvania spills have caused pollution outside the basin where fracking is occurring and that 457 fracking related spills occurred between January 2006 and April 2012 in eleven states due to equipment failure, human error, failure of container integrity, and other causes. DRBC does not even have an enforcement division; CWTs must be prohibited from accepting wastewater produced by fracking to prevent spill pollution.

-- Radioactive materials, including radium, are in the wastewater produced by fracking, as reported by DRBC themselves. A study by Duke University of treated wastewater from fracking shows that radium concentrations in a Pennsylvania creek downstream of a frack wastewater facility were roughly 200 times higher than background levels. Radium 226 has a half-life of 1600 years and is linked to cancer. The removal of radium is expensive and difficult and the final residue would need to be handled similar to nuclear waste. (Vengosh et al, Environ. Sci. Technol., 2013, 47 (20), DOI: 10.1021/es402165b, pp 11849-11857, 2013). The DRBC must not allow any potential for the Watershed's residents and environment to be exposed to these levels of radioactivity; banning it is the only responsible course of action.

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frack wastewater treatment plants is found in reports that measure contaminants in sediments and surface water below frack treatment plants such as high chloride concentrations in Pennsylvania waterways. It is known that chloride is difficult to remove at high concentrations, toxic to fish and negatively impacts water quality. (Olmstead et al, PNAS Vol. 110, No. 13, PP 4962-4967, 2013). It is not safe to risk this contamination; it must be banned.

Sincerely,  
Mary McGeary  
129 Baltic St  
Brooklyn, NY 11201

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

The Delaware River Basin Commission's (DRBC) proposal to allow Centralized Waste Treatment facilities that would import into the Basin wastewater produced by fracking containing toxic and radioactive substances jeopardizes the water quality of the Delaware River Basin. The DRBC itself says that disposal of frack wastewater poses 'significant risk' if the wastewater is not properly managed. Spills at these fracking facilities are unavoidable and, according to the U.S. Environmental Protection Agency (EPA) and DRBC, can pollute both surface and groundwater resources. EPA reports that in Pennsylvania spills have caused pollution outside the basin where fracking is occurring and that 457 fracking related spills occurred between January 2006 and April 2012 in 11 states due to equipment failure, human error, failure of container integrity, and other causes. DRBC does not even have an enforcement division; CWTs must be prohibited from accepting wastewater produced by fracking to prevent spill pollution.

Sincerely,  
Joe Pfister  
50 Sherman Street, Apt. 1  
Brooklyn, NY 11215

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Fracking is an assault to the earth and a threat to our overall environment. We owe our children far better. Stop this terrible fracking. STOP IT NOW.

Sincerely,  
Louise Fitzgerald  
330 E. 38 St.  
New York, NY 10016

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

stop all fracking

Sincerely,  
r k  
3 w 101  
ny, ny 10025

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Please do not allow contamination of this precious waterway!

Sincerely,  
Michael Rosenberg  
32 WEST 83RD STREET  
Manhattan New York, NY 10024

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Clean water is a right, not a privilege.

Sincerely,  
Gregory V.  
215 Adams St  
Brooklyn, New York 11201

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Please do not allow fracking and associated waste water to pollute our drinking water! Water will become the most valuable resource in the coming decades after fossil fuels become less and less feasible.

The Delaware River Basin Commission's (DRBC) proposal to allow Centralized Waste Treatment facilities that would import into the Basin wastewater produced by fracking containing toxic and radioactive substances jeopardizes the water quality of the Delaware River Basin. DRBC themselves says that disposal of frack wastewater poses 'significant risk' if the wastewater is not properly managed. Spills at these fracking facilities are unavoidable and, according to the US Environmental Protection Agency (EPA) and DRBC, can pollute both surface and groundwater resources. EPA reports that in Pennsylvania spills have caused pollution outside the basin where fracking is occurring and that 457 fracking related spills occurred between January 2006 and April 2012 in eleven states due to equipment failure, human error, failure of container integrity, and other causes. DRBC does not even have an enforcement division; CWTs must be prohibited from accepting wastewater produced by fracking to prevent spill pollution.

There's no national set of standards that guides this treatment process. The EPA notes that the Clean Water Act's guidelines were developed before fracking even existed so no federal treatment or design standards have been adopted by the federal government to establish uniform effective treatment. Scientists have conducted relatively little assessment of the wastewater to ensure it is safe after being treated. In fact, evidence of the lack of the effective removal of pollutants by frack wastewater treatment plants is found in reports that measure contaminants in sediments and surface water below frack treatment plants such as high chloride concentrations in Pennsylvania waterways. It is known that chloride is difficult to remove at high concentrations, toxic to fish and negatively impacts water quality. (Olmstead et al, PNAS Vol. 110, No. 13, PP 4962-4967, 2013). It is not safe to risk this contamination; it must be banned.

Sincerely,

Robert Hott  
611 Broadway Suite 311  
New York City, New York 10012

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Ban fracking near or in Delaware River Basin! This is the only solution.

Sincerely,  
Regina Cummings  
7235 112 street  
Forest hills, NY 11375

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Once our water goes, it's all over - for us and for our kids. Please act accordingly.

Sincerely,  
Peter DePasquale  
47 Hicks St.  
BROOKLYN, NY 11201

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

It is impossible to contain the negative effects of fracking, from the frack waste leftover to the health problems it causes. Why create such an unfixable mess when we could be protecting our water, our people, our planet, and supporting renewable, safe, clean energy instead?

Sincerely,  
Lena Greenberg  
1789 Bedford Avenue 3L  
Brooklyn, NY 11225

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

15 million people rely on the Delaware River Basin for drinking water. The DRBC cannot allow corporate polluters to haul fracking waste into our watershed for treatment and discharge. The commission must ban fracking wastewater in the basin to protect our health and our environment.

Sincerely,  
art shervs  
302 windsor pl  
brooklyn, ny 11218

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Gas for a day in exchange for poison forever.

Sincerely,  
Andre Mirabelli  
70 Wooster Street  
New York, NY 10012

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

No Fracking!!

Sincerely,  
Katherine Fitzer  
415 Beverley Road  
Brooklyn, NY 11218

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Fracking has been shown to be extremely detrimental...pollution, health issues, contamination of croplands and crops, and it has been shown to create earthquakes. There is a fault line that runs just under Indian Point...do you really want to be held responsible for lack of due diligence when New York is poisoned and burned by an irresponsible decision that benefits only the few?

Sincerely,  
Anne Gayler  
148 Prospect Road  
Monroe, NY 10950

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

The DRBC needs to ban fracking, water withdrawals for fracking, and wastewater storage and disposal to protect our families' health and keep our water clean. Don't allow fracking in the Delaware River Basin!!

Sincerely,  
gregory oconnor  
50 Stewart Avenue  
Huntington, New York 11743

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Stop fucking up the Earth. You live here, too.

Sincerely,  
Laura Caseley  
23-85 Crescent St.  
Astoria, NY 11105

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

There is no historical evidence that fracking waste can be handled properly 100% of the time, and allowing it to be released into the watershed takes an unacceptable risk to our communities' health. Please ban it completely!

Sincerely,  
Ross Pinkerton  
1635 Lexington Ave 4C  
New York, NY 10029

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I have been very active in protecting water in New York and I have not let go. I was looking into Tibbets Brook plans for Van Cortlandt Park February 26th, 2018 and some plans are not the right plan. It sounds like rejecting bad plans is appropriate enough to urge projects to address environmental justice resolutions NOW! Please deny the pollution and damage to native lands and turn over a new leaf for the sake of health of water, soil, air, and the environments fro plants and animals.

Sincerely,  
Roseanne Andrade  
990 Bronx Park South  
Bronx, NY 10460

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Please don't let this happen!

Sincerely,  
Miriam Warwick  
336 Convent Ave #2B  
NY, NY 10031

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Ban fracking! This is a dangerous slippery slope.

Sincerely,  
Michael Nelson  
122 West Street, Apt 2M  
Brooklyn, NY 11222

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

These are super important issues. The protection of our water supplies is critical.

Sincerely,  
Bill Stasiulatis  
520 W 19th Street  
New York, NY 10011

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

--The Delaware River Basin Commission's (DRBC) proposal to allow Centralized Waste Treatment facilities that would import into the Basin wastewater produced by fracking containing toxic and radioactive substances jeopardizes the water quality of the Delaware River Basin. DRBC themselves says that disposal of frack wastewater poses 'significant risk' if the wastewater is not properly managed. Spills at these fracking facilities are unavoidable and, according to the US Environmental Protection Agency (EPA) and DRBC, can pollute both surface and groundwater resources. EPA reports that in Pennsylvania spills have caused pollution outside the basin where fracking is occurring and that 457 fracking related spills occurred between January 2006 and April 2012 in eleven states due to equipment failure, human error, failure of container integrity, and other causes. DRBC does not even have an enforcement division; CWTs must be prohibited from accepting wastewater produced by fracking to prevent spill pollution.

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sediments and surface water below frack treatment plants such as high chloride concentrations in Pennsylvania waterways. It is known that chloride is difficult to remove at high concentrations, toxic to fish and negatively impacts water quality. (Olmstead et al, PNAS Vol. 110, No. 13, PP 4962-4967, 2013). It is not safe to risk this contamination; it must be banned.

Sincerely,  
Sheila Kolodny  
98 Riverside Dr.  
NEW YORK, NY 10024

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

15 million people rely on the Delaware River Basin for drinking water. The DRBC cannot allow corporate polluters to haul fracking waste into our watershed for treatment and discharge. The commission must ban fracking wastewater in the basin to protect our health and our environment.

Sincerely,  
R Martire  
201 E 17  
New York, NY 10003

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I lived in PA for May years and still have family and friends there. The lovely Delaware river runs through it providing fresh water for fishing, swimming and boating. Besides it's a most scenic area bordered with many little cottages. Why frack upstream and destroy the greatness of this river and its environs?!! Time to start thinking about future generations!

Sincerely,  
Carol K. Rusk  
326 Sixth Avenue  
Brooklyn, NY 11215-2938

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Testing of treated wastewater from fracking shows that it contains high levels of radioactive radium, along with chloride and bromide. We do not need these elements in our drinking water or in our bodies.

Sincerely,  
Robin Spiegelman  
8230 233 St  
Queens Village, NY 11427

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

I agree with the above statement.

Sincerely,  
William Kane  
520 West 110 Street apt #4B  
New York, NY 10025

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

The possibility of fracking waste-water contaminating any waterway is horrendous, but the idea of exposing our Delaware Watershed is criminal! New York's prize-winning drinking water is needlessly at risk; restoration is nearly impossible. The only way to insure clean water for drinking, maintaining wildlife and protect our environment is to prevent this travesty at the start!

Sincerely,  
Marlene Rosenberg  
2630 Cropsey Ave 6-H  
Brooklyn, NY 11214

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Fracking must be kept away from all shores/oceans---have mercy for our oceanic animals/seabirds and all lives that exist on the oceans---ISN'T THIS HUGE EARTH ENOUGH FOR ALL YOU MONEY HUNGRY FOR MORE OIL MONEY...YOU DELIBERATELY FORGET ALL THE OIL SPILL ON THE OCEANS AND HOW THE POOR SEA ANIMALS/ FISHES/BIRDS SUFFERED--HAVE FEELINGS /MERCY FOR ALL OTHER LIVES--AND ARE AS IMPORTANT AS YOUR AND YOUR FAMILY LIVES.

Sincerely,  
tera nethu  
725 4th st  
brooklyn, NY 11232

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

The Delaware River Basin Commission's (DRBC) proposal to allow Centralized Waste Treatment facilities that would import into the Basin wastewater produced by fracking--water that contains not merely toxic but radioactive substances--jeopardizes the water quality of the entire Delaware River Basin. DRBC itself says that disposal of frack wastewater poses 'significant risk' if the wastewater is not properly managed.

Surely there is no sane reason why this risk is necessary. We have no national treatment standards adequate to dealing with such wastewater. Introducing radioactive materials could have lethal results when Radium 226 is not only linked to cancer but has a half-life of 1600 years!

If it's about money--please. Money has already corrupted our democratic processes and policies. When it comes to clean water, further corruption just equals further pollution.

The only sane response is to ban fracked wastewater altogether.

Sincerely,  
Signe Hammer  
306 E 91 St #5C  
New York, New York 10128

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

Please prohibit fracking wastewater from being transported into and treated within the Delaware River Basin!

Sincerely,  
Mark Molloy  
34 Butler Pl  
Brooklyn, NY 11238

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

NO FRACKING ANYMORE! It's imperative that we GREEN & CLEAN our environment IMMEDIATELY and switch to renewable, sustainable clean energy options which we already have! Fossil fuel is DEAD.

Sincerely,  
Valerie Gilbert  
345 East 56th St  
New York, NY 10022

Delaware River Basin Commissioners  
25 Cosey Road  
P.O. Box 7360  
West Trenton, NJ 08628-0360

March 26, 2018

**Re: Proposed regulations regarding hydraulic fracturing activities in the Delaware River Basin**

Dear Commissioners:

No fracking water!

Sincerely,  
Roxanne Flornoy  
1240 Park Ave  
New York, NY 10128