

19 February 2018

I am submitting the following written testimony for your hearing on Senate Bill 103 "An Act Concerning Hydraulic Fracturing Waste in CT" as I will be unable to attend in person.

The hazardous wastes being produced or released as a result of this mining/extraction method present us with too many dangers to accept.

Let us first remember that the current "high volume horizontal hydraulic fracturing" technology only began industrial use in 2006 - now only 12 years later we have health and water safety emergencies in many places both in the fracking areas and elsewhere.

As a reference I mention that DDT was only released to public sale in 1945 in the United States - the impacts of this pesticide led to a 1972 ban in the US for use of this chemical for agricultural purposes. Twenty seven years later. (eventually it was internationally by some countries, banned in 2001 only by the Stockholm Convention.)

The wastes generated from the very beginning by the drill cutting removed, which from the Marcellus shale, that would be the source of most if not all of the waste destined to CT, is contaminated with naturally occurring toxins such as arsenic, lead, strontium 90, radium 226 plus others and this could be sold as landfill and could eventually leak or migrate into wells, aquifers, streams or other places as well as being a danger by simple contact to it by contractors or the general public or our pets etc. Let me further mention that this component of "fracking waste" was not included in the previously not passed legislation before our legislature. Many many other unacceptable wastes are not included in the current moratorium and this should be as strong a bill as possible.

This is only the beginning of the dangers. Although we cannot stop transport across our state the danger imposed by leads from transport vehicles or from accidents involving transport vehicles will be only

more hazardous for us if there is more traffic due to permitting storage or "processing" here. - Not to mention the wear and tare on our highways and additional road congestion.

There is also the possibility of the chemically and toxic produced water, or brine, yielded in the process being used here also. It has been sold for de-icing roads in some places with no regard for the public health consideration nor water contamination due to road run off during the process.

Yale University and others have done studies linking fracking to carcinogens that can be travel through air or water so the health hazards are well documented even if the fracking is not actually accomplished in CT. - But we do get polluted air traveling from Pennsylvania going east due to the jet stream.

And of course all of this poses a threat to the important agricultural segment of our state economy.

I could go on and on about all the dangers but I will stop here but I ask that you ban all fracking wastes from arriving in our state. There is no place for them here. And I ask that as much as possible we regulate for safe transport if they must move through the state.

Let us not set ourselves up to have a bunch of "Love Canals" as we go through this century.

Sincerely

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