

Dear Fracking Inquiry Panel,  
30/4/4/2017

It was so lovely to meet some of you at the consultation meeting I attended. It really was. I know you have loads to read and consider so I'll do my very best to avoid obtuse verbosity, and in return I do so hope you'll take my views into strong consideration. Thank-you in advance.

**Please recommend to the NT Government that fracking be permanently banned and enshrined in law.**

Reason #1

I don't want it. This place is my home and I know shale gas extraction will change it in so many ways I abhor.

Reason #2

Climate Change is terrifying.<sup>1</sup> We are presently headed for a seven degree rise in average annual global temperatures. There is no way it will be pretty.

It has been calculated that a one-degree increase would eliminate fresh water from a third of the world's land and Greenland will tip into irreversible melt once global temperatures rise past a mere 1.2C, which won't be long now. The ensuing sea-level rise will be noticeable to put it nicely: sea levels at the end of the last ice age shot up by a metre every 20 years for four centuries. So more than that. By the time global temperatures reach two degrees of warming, more than a third of all living species will face extinction, many of my absolute favourites, and maybe yours too.. Beyond two degrees, preventing mass starvation will be as easy as halting the cycles of the moon. First millions, then billions, of people will face an increasingly tough battle to survive. Do you know that grain yields decline by 10% for every degree of heat above 30C, and at 40C they are zero? A three-degree increase in global temperature would throw the carbon cycle into reverse. Instead of absorbing carbon dioxide, vegetation and soils start to release it, another amplifying feedback. Oh and you've heard there has been mass extinctions in the past? Dinosaurs and like 95% of species became extinct? Well it was 4 to 6 degrees hotter... That 95% would include us: we are talking fungi and micro-organism dominance here.

We know two degrees will be a disaster zone; not because of corals or cyclones or droughts or wildfire. What we are looking at is runaway positive feedback loops after two degrees are reached. And we can't avoid passing two unless we slam on the breaks right now! and quit our dire addiction to all - ALL - fossil fuels. Yes, well done, that means an immediate ban to shale gas fracking (it is a potent cause of climate pollution).

Too many decision-makers are still ignoring the fact that we are in an emergency. A climate emergency. Please be my heroes and understand that we simply MUST ban shale gas fracking in the NT.

Oh and if you are still not convinced, please work harder on informing yourselves about what we need to do to avoid runaway climate change. I've attached a few easy to read morsels for your enlightenment. Thankyou.

Did you hear that on April 18, Earth passed 410 ppm CO2 levels for the first time in human history? Woops! Let's demonstrate we are sentient beings who can control our actions. Please.

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<sup>1</sup><http://www.sciencealert.com/scientists-say-it-could-already-be-game-over-for-climate-change>  
<http://globalwarming.berrens.nl/globalwarming.htm>  
<http://energy.unimelb.edu.au/articles/a-review-of-current-and-future-methane-emissions>

genuinely,

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