



Submission For Review Team

dAn tHe mAn to: csg.review@chiefscientist.nsw.gov.au

24/04/2013 10:46 PM

Please respond to dAn tHe mAn

History:

This message has been replied to and forwarded.

Dear Sir/Madam

Please find attached my submission for the 'Review of coal seam gas activities in NSW'.

I would appreciate if you could please acknowledge receipt of my submission.

Yours sincerely



Dan Hamilton Submission to NSW CSG Review.pdf

To: The Chief Scientist & Engineer's Review Team
csg.review@chiefscientist.nsw.gov.au

From: Dan Hamilton
PO Box 352
Lismore NSW 2480
Daniel.hamilton@yahoo.com

April 24th, 2013

Re: Review Of Coal Seam Gas Activities In NSW

Dear Review Team

I have written numerous submissions to the NSW Government regarding the environmental and health impacts of CSG mining.

Do you intend to review any of the submissions previously made to other inquiries, that have addressed the environmental and health impacts of CSG mining? I ask this question as I have never received a response to my submissions to acknowledge that those issues have been addressed. You can see one of my submissions at

<http://www.parliament.nsw.gov.au/Prod/parlment/committee.nsf/0/7A548A51F0F2E3E6CA2579BF0082F0E9>.

I am confident that most of the environmental and health impacts of CSG mining will be brought to your attention, however there are two issues that I find particularly disturbing.

I am at a loss to believe that the activity has been approved in Queensland and I want to know if it has been approved in NSW.

The activity involves the disposal of contaminated 'produced' water from CSG mining operations by spraying it with water trucks onto unsealed public roads and other areas.

Here is a link to a video of this practice as undertaken in the Chinchilla/Tara gas-field areas in Queensland: <http://youtu.be/K04taMEqlac>.

Would I be wrong in assuming that the toxins in this produced water will remain once the water has evaporated? And if so, will it become airborne with the dust from the road caused by vehicles driving on the road, to be breathed in by road users, pedestrians, stock or property owners and their families who live near the road?

Alternatively, if it rains, would this 'produced' water, either mixed with the dust or in its liquid form should it have been sprayed out and it rained during or shortly afterwards, not end up in the local waterways and subsequently contaminating the environment?

The other issue that has come to my attention more recently is the increasing incidence of fracking causing minor earthquakes and the impact natural earthquakes might have on CSG mining operations.

As far as I am aware, there are no regulations in place in NSW to monitor when this occurs and how to assess the impact even a minor earthquake may have on well integrity, especially the potential for it to cause on-going fugitive emissions after well abandonment or to pollute aquifers during the operational period.

Here is a link to one of many articles to be found with the google search 'csg earthquakes':

<http://www.popsci.com.au/science/future-of-the-environment/fracking-caused-earthquakes-says-british-study>

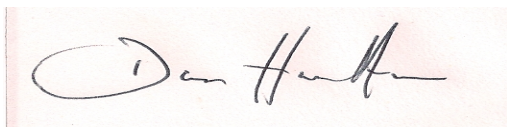
"A study by a group of geologists, commissioned by the company-under-scrutiny [Cuadrilla](#) and based on technical reports from a variety of survey companies, found that the fluids likely caused the pre-existing division between the rocks to lubricate. This allowed the rock formations to slide against each other more easily, causing the 2.3 and 1.5 magnitude quakes."

There are also numerous videos on the same topic on Youtube. Here is one for reference: <http://youtu.be/mPn0gOQg7IA>.

Furthermore, the practice of pumping 'produced' water back into the ground would present the risk of leakage into aquifers in the event of an earthquake opening up fissures in the underground storage areas.

Are my concerns valid or unfounded?

Yours Sincerely

A handwritten signature in black ink on a light-colored background. The signature is written in a cursive style and appears to read "Dan Hamilton".

Dan Hamilton