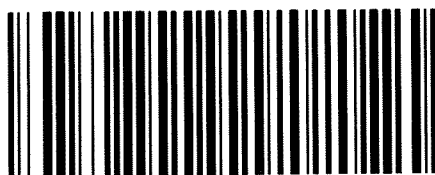


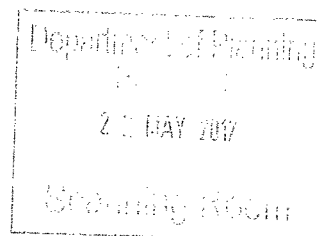
INGRID CATTLEY

5 May 2017



PCU070892

Attn: Executive Director,
Resource Assessments
Department of Planning and Environment
GPO Box 39
Sydney NSW 2001



Re: This is a submission to the Narrabri Gas EIS.

I object to this project and believe it should be rejected.

- It is very important that your Department take into consideration the consequences of fracking being experienced in North America. This includes:
 - Many earthquakes being triggered by fracking
(I note in this regard research by the University of Texas
<https://news.utexas.edu/2017/03/30/why-is-texas-shaking>).
 - Contamination of aquifers and ground water particularly with micro organisms and heavy metals.
 - Frequent leaking of coal seam gases into the atmosphere and into river systems
- It will extract over 35 billion litres of toxic groundwater, much of it in the first five years. This water will be treated and in the early years will generate tens of thousands of tonnes of salt, for which there is no safe disposal plan.
- It will clear close to 1,000 hectares of the Pilliga Forest, fragmenting the largest temperate woodland in New South Wales, home to unique wildlife.
- It will cause significant diversion of water from a recharge aquifer of the Great Artesian Basin, which is a water resource relied upon by rural communities across western NSW.

Woodcote Park
284 Galston Road
Galston NSW 2159
Australia

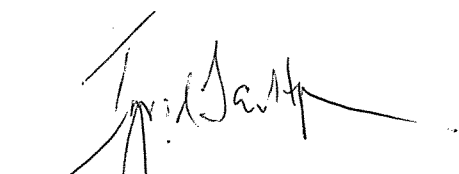
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- It will lead to large deliberate and fugitive emissions of methane, adding to climate change.
- It will cause more trauma to the regional Aboriginal community because the area of impact is crucially important to the spiritual, cultural and social life of Gamilaraay people.
- It is not justified: Santos' own coal seam gas export activities in Queensland have caused gas prices to rise and supply to become unpredictable. NSW should respond to this by investing in more reliable and ultimately cheaper renewable energy, not by letting Santos inflict more environmental, social and economic harm.
- It will cause economic upheaval in Narrabri and put agricultural industries at risk, as well as causing light pollution that will ruin the dark night sky needed by the internationally renowned Siding Spring Observatory.
- Coal seam gas is harmful to health. Neither the NSW Government nor Santos have investigated or dealt with the serious health effects of coal seam gas now appearing in peer-reviewed research in the United States.

I urge the Government to reject this project and make the Great Artesian Basin recharge off limits to gas mining

Thank you for considering the matters raised in the submission.

Yours Faithfully



Ingrid Cattley