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15 May 2017

Attention: Executive Director  
Resource Assessments  
Department of Planning and Environment  
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This is a submission to the Narrabri Gas EIS.

There are so many issues one could talk about in response to the Santos EIS: water, stars, forest, economics, wildlife, air, life. I will leave it to those with a relevant degree to address those issues from a scientific perspective.

Based on personal experience (5 trips up to the Queensland gas fields and twice visiting the Pilliga, Coonabarabran and Narrabri) and monitoring activities in Queensland over a 5 year period, there is more than sufficient evidence of - well leaks; flaring toxic chemicals; spills; water contamination; health impacts on children and adults etc for me to believe that approval to Santos to drill upward of 850 wells in an ecologically sensitive environment would be a licence to destroy the environment, especially the Great Artesian Basin.

I object to this project and believe it should be rejected. My concerns include:

- \* 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.
- \* 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 studies world wide.

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