

To Whom It May Concern

I am writing in regard to the Northconnex tunnel. I object to the project as described in the EIS. (SSI 13_6136).

The proposed tunnel would not be my family's first choice, we strongly recommend a proper world-class orbital loop road, connecting Dean Park with the M1 (between Mt White and Berowra). We still believe a proper Sydney Orbital route would be the far better future-proofing option and also strongly believe that most heavy vehicles do not need to pass through the geographic centre of greater Sydney, as happens with the proposed 'Northconnex' tunnel.

In regard to the stop-gap measure of a tunnel beneath Pennant Hills Road we feel that we must write regarding the proposed exhaust stacks and exhaust system at each end of this very long tunnel.

This issue is extremely important to all people who will have daily repeated exposure to the air pollutants.

Cars and trucks produce very large amounts of particulates (including unburned long-string hydrocarbons), PAH's oxides of nitrogen, ground level ozone and other short-term, localised pollutants that can be very easily be traced to their source.

These pollutants are known to be harmful to humans, animals, plants and fungi at very low concentrations.

The World Health Organisation has, on the 25 March 2014, released an important research document on the extraordinarily high number of deaths directly attributable to air pollution. Of particular importance is the section on Ambient Air Pollution, I commend this report to you (<http://www.who.int/en/>)

The objective of this letter is to assist the state government to drive the air quality standards, around this tunnels infrastructure, to a level that would be acceptable to the community, that is the people and the ecosystem that will have direct daily exposure. We would consider it completely indecent to progress with this well-funded project without applying proper air pollution control strategies.

We seek this objective without compromise.

While we recognise that we live now with the ambient air pollution of Pennant Hills Road this does not make it acceptable to concentrate the pollutants and then simply dump them back onto the community around the tunnel entrance/exit points and exhaust stacks. The building of this tunnel singularly provides the government with the opportunity to clean (or Scrub or filter) the air and thus not only make improvements in traffic flow but also substantial improvements in the greater Sydney metropolitan areas air pollution. This is already an extremely polluted area of Sydney. We, as a community, have borne the brunt of the nations and Western Sydney's growth and expansion for far too long through exposure to this negative externality.

It is impossible to believe that a project of 2.65billion cannot apply the necessary technology needed to provide this assurance to communities. This tunnel will be the longest road tunnel in Australia and one of the longest in the world, We appeal to you to make it state-of-the-art and sensible for all involved. The residents around the Lane Cover Tunnel were not considered on this important topic and now, sometimes tragically, live with the consequences of unfiltered (unscrubbed) pollution spewing from stacks at 1000 cubic meters per second – and this road is not

as heavily used as Pennant Hills Road, nor does it carry the extraordinary number of diesel burning heavy vehicles.

Thus it is imperative that public health is protected throughout this project, both in its construction and its outcome.

It is without a doubt one of the most important objectives of this project that the construction and outcome must eliminate, or reduce to a minimum, the air pollutants that are hazardous to human health. That is, reducing the level of exposure to ambient air pollutants to level, or a level below, which no adverse effects can be expected.

This request is technologically feasible, it is economically feasible and is considered to be culturally required. If this approach cannot be adopted then the tunnel **MUST NOT PROCEED**. Due to the significant health concerns of the current project design, I recommend that the department of planning does not approve the project in its current form.

Yours sincerely,

Carolyn Crossman (B.Soc.Sci., M.Soc.Sci.)

Carolyn Crossman
16 Normanhurst Road
Normanhurst NSW 2076

PH: 02 9489 5526