

12 September 2014

Director - Infrastructure Projects  
Department of Planning and Environment  
Number: SSI 13\_6136  
Major Projects Assessment  
GPO Box 39  
SYDNEY NSW 2001

Via online form:

[http://majorprojects.planning.nsw.gov.au/index.pl?action=view\\_job&job\\_id=6136](http://majorprojects.planning.nsw.gov.au/index.pl?action=view_job&job_id=6136)

**NorthConnex Application Number: SSI 13\_6136**

Please find below our submission in response to the exhibition of the EIS for NorthConnex.

Firstly we would like to state we **object** to the project as described in the EIS. Whilst we do not object to the construction of a tunnel and recognize the necessity of ventilations stacks.

We have a high level of concern regarding the following issues and request that these be considered by NorthConnex and the Department of Planning. In regards to the NorthConnex tunnel, I am concerned about:

1. Placement of the northern ventilation stack in a residential area, where the emissions will affect multiple local residents, schools and community facilities (schools etc)
2. The placement of the northern ventilation stack in a valley in where the often low wind speeds, will result in poor dispersion and exposure to community to high levels of tunnel emission.
3. We are highly concerned about the multiple large scale research studies that suggest the impacts of diesel particulates on health are serious. With recorded impacts including, but not limited to: death from heart disease, increased risks of lung cancer, stroke, poor lung growth in children, increased asthma, and recent research suggesting low birth weight for pregnant women, increased autism, and congenital heart defects.
4. We are concerned about the large amount of diesel emissions which will be emitted from the NorthConnex tunnel, as it is being designed for heavy freight to bypass Pennant Hills Rd. Diesel emissions have been classified as carcinogenic by the World Health Organisation, and also contain a larger number of fine particles which penetrate deep into lung tissue and remain there causing inflammation.
5. I am concerned that the justification for not providing filtration for the stacks wherever sited, is unconvincing and is simply a short term cost saving measure.

## **NorthConnex EIS Submission**

To address my/our concerns I request that the following actions are undertaken:

1. The air quality and human health impact assessment need to be revised to address the issues raised above.
2. An independent options assessment process should be undertaken to assess alternative locations for the ventilation stack and portals.
3. To undertake a Life Cycle Analysis and assessment for the provision of filtration
4. A long term health study on children and residents in areas impacted by stack discharges be included as part of the conditions of approval.
5. A comprehensive air quality monitoring program is developed and implemented.
6. An independent review of the ventilation system is undertaken to ensure that NorthConnex's claim of no portal emissions is justified.
7. The Submissions Report/Preferred Project be exhibited to allow the community to respond to the revised information contained in the report.
8. The Department does not approve the project in its current form as it clearly does not meet the principles of Ecologically Sustainable Development as required by the Environmental Planning and Assessment Act.

**James and Jo Toomey**

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