

10 September 2014

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

NorthConnex Application Number: SSI 13_6136

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

Firstly I would like to state I object to the project as described in the EIS.

My name is [REDACTED]. I am 11yrs old and currently attend the Bush School. [Wahroonga Public]
I object to the location of the northern ventilation on the corner of Bareena and Woonona Ave, Wahroonga.

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

Firstly I would like to state I object to the project as described in the EIS.

- I am concerned about the health impacts that the stack will have for the many children attending schools within 2km of the pollution stack.
- I am concerned that the stack will impact conservation of heritage areas/houses in Wahroonga.
- I am 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.

- I am concerned about the multiple flaws in the air quality modeling of the northern stack in the EIS. These include:
 - The use of meteorological data from other weather stations, which do not reflect the local meteorology, local topography, and the valley location.
 - The use of a coarse topographical model
 - The failure to consider polluted intake air from the Pennant Hills/M2 interchange as part of the project contribution to air quality at Wahroonga
 - The background air quality being based on air quality at Lindfield and Prospect and the lack of any actual data on PM_{2.5}

- I am concerned that a full and transparent options assessment process was not undertaken to assess alternative designs for the project. Unlike other tunnel projects in Sydney there are alternatives for locating the stack and portals in non-residential areas.

- I am concerned that the justification for not providing filtration for the stacks is not convincing.

- **To address my/our concerns I request that the following actions are undertaken:**
 - The OEH does NOT approve this project in its current design as the northern stack location will have a devastating impact on heritage listed houses and conservation areas.
 - The air quality and human health impact assessment need to be revised to address the issues raised above.
 - An independent options assessment process should be undertaken to assess alternative locations for the ventilation stack and portals.
 - To undertake a Life Cycle Analysis and assessment for the provision of filtration
 - A long-term RECENT health study on children and residents in areas impacted by stack discharges be included as part of the conditions of approval.

- A comprehensive air quality-monitoring program is developed and implemented.
- 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.

Warm Regards

