

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

10/9/14

North Connex Application Number: SSI 13_6136

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

We state that we object to the project as described in the EIS.

We have a high level of concern regarding the following issues and request that these be considered by North Connex and the Department of Planning. In regards to the North Connex tunnel:

1. I am concerned about Placement of the northern ventilation stack in the centre of a densely populated residential area in Wahroonga, where 9,300 school children, as well as multiple aged care facilities, hospitals, businesses and residential homes will be exposed to increased levels of vehicle pollutants for 24 hours per day.
2. I am highly concerned about the multiple large scale research studies that suggest the impacts of air pollutants on health are serious. These include increased 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. These studies confirm air pollutants have prothrombotic and inflammatory effects on humans which cause the above health problems.

To address our concerns I request that the following **prudent** actions are undertaken:

1. Due to the significant health concerns of the current project design, I request the department of planning does not approve the project in it's current form.
2. I also request that alternative transport options to ease congestion on Pennant Hills Rd be considered such as an orbital surface route
3. I also request that any alternatives including modifications to that proposed in the current EIS which pose the potential for an increase in existing levels of pollutants where any residential areas are impacted, be strictly controlled and managed through at least the following measures; an effective filtration system targeting PM 2.5 particles and smaller, NOx and volatiles; such filtration to be operational 24 hours per day for the life of the tunnel and that such filtration be monitored and alarmed by a third party and that fines **and** operational shutdowns be legislated where levels for each pollutant exceed those currently measurable in the vicinity of any future outlet.
4. Finally, Options that provide for greater dissipation over the length of the tunnel must be considered subject to 3) above.

Cost over the potential for impacts on human lives and long term health must not be the priority.

Daniele Candotti & Sandi van der Plaats
4 Chunooma Road
North Wahroonga, NSW 2076