

*The following are only Draft Paragraphs to use as a Guide to send in a submission on Air Quality -Use as a Guide only and add your own words to mix it up so its does not look like a form letter. - Ask your fellow School Parents, Grandparents, Neighbours, Family Members, Friends etc to put in a submission for our community, our kids, our people.*

*Draft paragraphs on other issues will be added soon*

## **Guide Submission # ONE - ON NO FILTRATION**

**Re the EIS for the Western Harbour Tunnel -Jan 2020**

**I STRONGLY OBJECT STRONGLY TO THE LACK OF FILTRATION IN THE EXHAUST STACKS FOR THE WESTERN HARBOUR TUNNEL & BEACHES LINK.**

I have seen the Scoping Report /EIS and all the comments that have been submitted.

I am stunned that there is no Filtration of the Stacks.

The most frequent issue raised by the community was the Air Quality and the Unfiltered Stacks and this has not been addressed in any real way.

This can be easily addressed by banning diesel vehicles in these Tunnels like many other countries do, or by installing Filtration in the Exhaust Stacks as has been done in many overseas Countries worldwide- this is a mature & reliable Technology!

I urge the Government /Department Of Planning to reject this proposal as it stands and instal Filtration.

## **Guide Submission # 2- Another Air Quality Topic Submission on AQ -**

**Re the EIS for the Western Harbour Tunnel -Jan 2020**

**I TOTALLY OBJECT TO THE LACK OF FILTRATION IN THE EXHAUST STACKS FOR THE WESTERN HARBOUR TUNNEL & BEACHES LINK.**

Cammeray will be getting 2x 7kms long Tunnels meeting here with 4 Stacks - 2 at each exit = 4 in all in a Valley! The worst pollution will be closest to the Stack.

- The worst pollution will be from Particulate Matter which according to Respiratory Specialists, embeds in the lung tissue & has an immediate effect which is CUMULATIVE- the impact of the damage will be like smoking was in the early 21st century. This Particulate Matter causes asthma, strokes, arrhythmia, vascular diseases, dementia, in kids 8-15 years it causes permanent reduction in lung growth which does not reduce if the child moves away. This P/Matter will disperse but it will land on the ground and get disturbed again with lawn mowing, wind etc and impact on more people.
- The Stats are that you get 60 tonnes of Particulate matter p.a. from 6 Stacks
- The catchment area where this carcinogenic particulate matter & other pollution will reach 1.2-3 kms away
- The Stacks will not be tall enough at 30m to disperse pollution & will impact on Tall buildings in the catchment area

I urge the Planners to reconsider this proposal as it stands and instal Filtration.

### **Guide Submission Paragraphs # 3- Air Quality**

**Re the EIS for the Western Harbour Tunnel -Jan 2020**

**I STRONGLY OBJECT TO THE LACK OF FILTRATION IN THE EXHAUST STACKS FOR THE WESTERN HARBOUR TUNNEL & BEACHES LINK.**

**Unfiltered Pollution Stacks at tunnel exit points:**There are expected to be 3 pollution stacks in the North Sydney area alone, which is the largest education district in the state (there are 21 schools within the North Sydney council area). Anzac Park Public school (APPS) is already next to a 10 lane freeway. I estimate that the school is currently impacted by the pollution of a 375m stretch of those 10 lanes (from the Ernest St overpass to the Miller St overpass). So currently (pre-stacks) about 3.75km of polluting road.

The two pollution stacks that are expected to be built for the Northern Beaches tunnel and the Western Harbour tunnel will pump out 7km x 3 lanes each. They will both be located (per Roads and Maritime Services advice) within the 500m impact zone. (See the attached picture, Impact Zone schools)

So that means an additional 42km of polluting road impacting the school directly. In other words, there will be more than 12 times the current pollution impacting these children. Or put another way, the school might as well be next to a 120 lane freeway! And you can see all of the other schools and number of children in the diagram too.

Cammeray Public school is in the impact zone of one of the stacks. They might as well be next to a 60 lane freeway. Same for our new local high school, Cammeraygal.

I as a member of this community **OBJECT** to this lack of safety & planning. I urge the Government /Department Of Planning to reject this proposal as it stands and instal Filtration.

### **Draft Guide Submission # 4- Air Quality**

**“Re the EIS for the Western Harbour Tunnel -Jan 2020**

**I STRONGLY OBJECT TO THE LACK OF FILTRATION IN THE EXHAUST STACKS FOR THE WESTERN HARBOUR TUNNEL & BEACHES LINK.**

**Children expected to die:** Some of our Public School parents were told at a P&C meeting that the increased child morbidity rate was **only** 0.2 per year. So, that means that **only** 1 child's death will be caused every 5 years at for example, Rozelle Public school alone. And there are at least 100 schools impacted by the new tunnel stacks being built. But the RMS (Roads & Maritime Services) have advised that their policy is not to filter, despite the Australian

government putting a figure on a statistical life, which would enable the RMS to calculate the benefit of filtering (ie. Lives not lost and no public health expense) against the cost to filter.

According to an Australian Federal Government paper regarding the economic cost of air pollution: "Researchers have identified several health effects of air pollution on both adults and children. However, because children's physiological responses to air pollution are quite different from that of adults, they are more susceptible to the effects of air pollution. Children differ from adults in their activities, their rate of breathing, their lung anatomy and physiology, and their organ maturity. For example, children take in more air per unit body weight at a given level of exertion than do adults. In a comparable activity children may take in 20-50 per cent more air, and hence more air pollution, than an adult. The air pollutants that are of special concern for children include airborne particles, carbon monoxide, ozone, nitrogen oxides, sulfur dioxide, and acid aerosols (Mathieu- Nolf 2002).

Children are more vulnerable to ambient air pollutants due to greater relative exposure. While adults typically spend 5-15 per cent of their time outdoors, children may spend more than 20 percent of their time outdoors. There are definite health benefits to having children participate in outdoor activities. However, scientific evidence suggests that air pollution exposures can injure children's lungs and other organs during their physiological growth period (Kleinman 2000)."

**I, as a member of this community OBJECT to this lack of safety & planning.  
I urge the Government /Department Of Planning to reject this proposal as it stands and instal  
Filtration."**