



3 November 2020

Lauren Rose  
Major Planning Projects  
Department of Planning, Industry & Environment

Dear Ms Rose,

**M12 Motorway (SSI-9364): Comments from Nepean Blue Mountains Local Health District for Public Consultations**

Thank you for providing the opportunity for comment on the proposed State Significant Infrastructure.

The following comments apply to the proposed development of the M12 Motorway (SSI-9364):

The proposed M12 Motorway is approximately 16 kilometres long and to be constructed between the M7 Motorway, Cecil Hills and The Northern Road, Luddenham, which in part falls within Nepean Blue Mountains Local Health District.

Nepean Blue Mountains Local Health District does not have any requirements for this development but would make the following comments regarding the public health of affected local residents:

**Noise and Other Disturbances**

Chapter 6.7 Noise and vibration of the M12 Motorway Amendment Report indicates that there will be an increase in residential receivers due to the construction of the M12 Motorway. In particular, it is noted that residential areas in Mount Vernon and Kemps Creek will be highly affected by construction noise. The amendment report also states that additional working hours will be required, including evening work, Sundays and public holidays, which has the potential to cause sleep disturbances among affected residents.

During the construction and operation of the M12 Motorway, the appropriate mitigation measures described in the EIS should be taken to ensure that residents of the Penrith Local Government Area are not subjected to excessive noise, dust, vibration or other disturbances which may affect Public Health.

**Water Quality of Surface Water and Groundwater**

Chapter 6.9 Surface water quality and hydrology and Chapter 6.10 Groundwater quality and hydrology of the M12 Motorway Amendment Report identifies that during construction activities there is the potential for local waterways and groundwater to be contaminated by pollutants

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including sediments, nutrients, hydrocarbons, metal contaminants and other chemicals. It is noted that affected waterbodies within the construction footprint are 'mixed-use rural' and 'predominantly urban' and therefore can be used for primary and secondary contact recreation, irrigation and homestead water supply, which in turn has the potential to impact human health of local residents.

During the construction of the M12 Motorway, the appropriate mitigation measures described in the EIS should be taken and a surface water and groundwater water quality monitoring program should be implemented to ensure that residents of the Penrith Local Government Area are not subjected to poor water quality, whether through direct or indirect means, which may affect public health.

### **Air Quality**

Chapter 6.12 Air quality of the M12 Motorway Amendment Report specifies that there will be a 10% increase in annual particulate concentrations overall, particularly due to dust impacts from construction works.

During the construction of the M12 Motorway, the appropriate mitigation measures described in the EIS should be taken and the Construction Air Quality Management Plan (CAQMP) should be followed to ensure that residents of the Penrith Local Government Area are minimally impacted by poor air quality and excessive construction dust which may affect public health.

### **Additional Comments**

It is noted in the EIS that there is the potential for construction overlap between further road upgrades in Western Sydney and the M12 Motorway development, which may result in additional noise disturbances, water quality issues and poor air quality. It is recommended that a further assessment into the potential impacts of additional concurrent construction work is undertaken to ensure that the current suggested mitigation strategies implemented continue to be appropriate to reduce the human health effects on residents within the Penrith Local Government Area.

These comments would be in support of the ongoing Public Health of residents of the Penrith Local Government Area.

Should you have any queries regarding the comments in this letter, please contact James Plant, Manager Environmental Health on (02) 4734 2022.

Yours sincerely,



**Dr Victor Carey**  
**Director Public Health**  
**Nepean Blue Mountains Local Health District**