





NSW GOVERNMENT  
**Department of Planning**

Contact: Lisa Mitchell  
Phone: (02) 9228 6354  
Mobile: 0438 027 284  
Fax: (02) 9228 6355  
Email: [lisa.mitchell@planning.nsw.gov.au](mailto:lisa.mitchell@planning.nsw.gov.au)

Mr Phil Gallagher  
General Manager  
Motorway Maintenance and Coordination  
Roads and Traffic Authority  
PO Box 3035  
PARRAMATTA NSW 2124

File: 2006-08-24 EA requirements.doc

Dear Mr Gallagher

**Subject: M5 East Air Quality Management Plan**

I refer to the meeting of Tuesday 15 August 2006 attended by representatives of the Roads and Traffic Authority, Department of Planning, Department of Environment and Conservation (DEC) and NSW Health regarding the M5 East Air Quality Management Plan as announced by the Minister for Roads on 16 June 2006 and the anticipated request to modify the Minister for Planning's approval for the M5 East.

At that meeting DEC and NSW Health advised that they would provide recommended requirements to be addressed in the environmental assessment to accompany the request for modification. Under Section 75W(3) of the Act, the Director-General may notify the proponent of environmental assessment requirements with respect to the proposed modification that the proponent must comply with before the matter will be considered by the Minister.

I have attached a copy of the environmental assessment requirements for the proposed request for modification. If you have any enquiries about these requirements, please contact Lisa Mitchell, Manager, Transport on 02 9228 6354.

Yours sincerely

2.9.06

Chris Wilson  
Executive Director

# Environmental Assessment Requirements

## Section 75W(3) of the *Environmental Planning and Assessment Act 1979*

- **In-tunnel air quality:** The assessment should adopt expected flow rates to determine and justify expected improvements in in-tunnel air quality.
- **Portal emissions:** The assessment report should include appropriate modelling to determine potential impacts on sensitive receivers from all relevant pollutants due to regular portal emissions from each of the Marsh Street and Bexley Road portals. In particular, the pollutants as identified in Table 1 should be modelled for the periods identified:

	Pollutant	Modelling Period
	Nitrogen Dioxide (NO <sub>2</sub> )	1-hour
		Annual
	Carbon Monoxide	15 minute <sup>1</sup>
		1 hour <sup>1</sup>
		8 hour
Particulates	PM <sub>10</sub>	24 hour
		Annual
	PM <sub>2.5</sub>	24 hour
		Annual
Volatile Organic Compounds	Benzene	Annual average
	Acetaldehyde	Annual average
	Formaldehyde	3 hour
		24 hour
	Benzo(a)pyrene	Annual average

- **Stack emissions:** Changes in levels of stack emissions should be specified and justified.
- **Implications of timing:** The supporting documentation should include an assessment of the implications (if any) of using portal emissions as an air quality management tool prior to the commissioning of the filtration system as well as the impacts once both systems are in operation.
- **Monitoring and Reporting:** a comprehensive operation, monitoring and reporting plan for all relevant pollutants should be prepared. This should include:
  - the operating conditions under which the proposed portal emissions are to occur to ensure that there are no adverse impacts on sensitive receivers from any relevant pollutants due to regular portal emissions;
  - stack and portal outflow rates (in absolute values and as a proportion of maximum flow), intake rates from portals and intake system, and time periods of proposed operation;
  - monitoring locations and parameters; and

<sup>1</sup> 15 minute and 1 hour modelling periods for carbon monoxide are intended to consider the impacts of short to medium term exposure in ambient conditions and are consistent with World Health Organisation goals.

## **Proposed Modification to the Minister for Planning's approval for the M5 East Motorway**

- public access to monitoring data.
- **Greenhouse Gas Emission Rates:** an evaluation of the greenhouse gas impacts (in relation to energy requirements) of each proposed option/operating scenario should be included.