

Department of Planning and Environment

Simon Cooper
Project Director – WestConnex
Transport for NSW
20-44 Ennis Road
Milsons Point NSW 2061

31/03/2022

Dear Simon

WestConnex – M4-M5 Link - Stage 3A Mainline Tunnels (SSI 7485)
Approval of Ventilation Outlet Emission Monitoring, Special Method 1: continuous solid particles monitoring (condition E19A)

I refer to your request dated 11 March 2022 seeking the Secretary's approval of a special method to undertake continuous monitoring of solid particles as required by condition E19A of SSI 7485.

I have reviewed the supporting technical information and note the Environment Protection Authority's (EPA) correspondence, dated 3 March 2021, indicating that USEPA Performance Specification 11 (PS-11) – *Specifications and Test Procedures for Particulate Matter Continuous Emission Monitoring Systems at Stationary Sources* is considered appropriate for continuous monitoring of solid particles.

In addition, the EPA requires that once the tunnel is operational, the Project must:

- demonstrate initial and ongoing sampling method performance through successful correlation tests against a reference gravimetric sampling method, in accordance with USEPA Performance Specification 11; and
- develop and implement robust QA/QC programs and procedures in accordance with appropriate guidelines such as USEPA Procedure 2 - *Quality Assurance Requirements for Particulate Matter Continuous Emission Monitoring Systems Used at Stationary Sources*.

Accordingly, as nominee of the Planning Secretary, I approve USEPA Performance Specification 11 as the method to continuously monitor solid particles from ventilation outlet emissions under condition E19A.

I remind you that under condition E19A ventilation outlet emissions monitoring is required to be undertaken at commencement of and throughout operation and the monitoring equipment must be verified by an independent auditor who is expert in tunnel ventilation outlet design prior to the commencement of monitoring.

If you wish to discuss the matter further, please contact Sam Heaton at Samuel.Heaton@dpie.nsw.gov.au.

Yours sincerely

A handwritten signature in black ink, appearing to read 'M. Todd-Jones'.

Matthew Todd-Jones
A/Director
Infrastructure Management

As nominee of the Planning Secretary