

OUT18/17112

Keith Ng
Transport Assessments
NSW Department of Planning and Environment

Keith.Ng@planning.nsw.gov.au

Dear Mr Ng

**F6 Extension Stage 1 (17_8931)
EIS Exhibition**

I refer to your email of 2 November 2018 to the Department of Industry (DoI) in respect to the above matter. Comment has been sought from relevant branches of Lands & Water and Department of Primary Industries. Any further referrals to Department of Industry can be sent by email to landuse.enquiries@dpi.nsw.gov.au.

The department provides the following comments and recommendations for consideration in assessment of the proposal.

DoI – Water and Natural Resources Access Regulator

- DoI Water requests a meeting with the proponent's groundwater consultants and modellers to discuss water issues and required model review.
- Detailed justification of why additional rock grouting and sealing is not being proposed to seal the undrained tunnel sections to less than 1 litre per second per kilometre. The department has concerns with the Rockdale tunnel access decline as it is proposed to be 2L/sec/km.
- A series of detailed geological cross sections and long sections of the F6 tunnel extension stage 1 is required for the purpose of both groundwater flow and groundwater modelling.
- A revision of the conceptual and numerical groundwater models and report will be required.
- Any works undertaken within watercourses or waterfront lands should be done so in accordance with the Department of Industry – Lands and Water's Guidelines for Controlled Activities <https://www.industry.nsw.gov.au/water/licensing-trade/approvals/controlled-activities>
- The following plans are to be developed in consultation with DoI Water:
 - Construction soil and water management plan;
 - Erosion and sediment control plan;
 - Operational environmental monitoring plan.

DPI Fisheries

- DPI Fisheries considers that this proposal would have minimal impact on key fish habitat provided that the following mitigation measures are implemented: B3-4; SC1; SC4-5; SC7; SWF1-2; SWF7-8.
- Although the wetland within Bicentennial Park is not listed as key fish habitat, the water quality and level within the wetland should be the same as existing or improved following construction.
- DPI Fisheries requests the opportunity to review and provide comment on the:
 - Construction Flora and Fauna Management Plan;
 - Construction Soil and Water Management Plan; and
 - Acid Sulphate Soil Management Plan.

Yours sincerely

A handwritten signature in blue ink, appearing to read 'Liz Rogers', with a stylized, cursive script.

Liz Rogers
Manager, Assessments
Lands and Water - Strategy and Policy
6 February 2019