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Dear Ms Scott

### **Sydney Gateway Road Project EIS Exhibition**

I refer to your email of 21 November 2019 to the Department of Planning, Industry and Environment (DPIE) Water and the Natural Resources Access Regulator (NRAR) about the above matter.

The following advice for you to consider is from DPIE Water. Please note the Department of Primary Industries (DPI) and Crown Lands now provide a separate response.

#### Post Approval

- A Construction Groundwater Management Plan should be developed following finalisation of the detailed design and planning stage. This should include all developed and existing criteria for minimising impacts to and from the intersection of groundwater for the different site activities. The Groundwater Management Plan should be forwarded to DPIE Water for review prior to the commencement of development activities.
- Update groundwater take estimates after the detailed design and planning is finalised and present in the Groundwater Management Plan as a component of the water balance model. This should be used as a measurable criteria for assessment of impacts of each activity that is predicted to intersect groundwater.
- Continue groundwater monitoring during the detailed design phase and through the construction phase.
- During construction, monitor and record actual volumes of groundwater inflow and pumped extraction during each excavation activity, so these volumes can be compared to the estimated volumes modelled at the final design and planning stage.
- Undertake regular assessment of accumulated data against criteria for minimising impacts for each site activity that encounters groundwater.
- Continue monitoring post-construction for up to 12 months at any sites that encounter contamination to verify plumes distribution and minimal impact criteria are satisfied.
- Future updates to the model during detailed design and planning stage should include a 24-hour constant rate pump tests (with associated monitoring bores). Please note this is the DPIE-Water preferred standard for determining hydrogeological parameters.

Any further referrals to DPIE – NRAR & Water can be sent by email to:  
[landuse.enquiries@dpi.nsw.gov.au](mailto:landuse.enquiries@dpi.nsw.gov.au).

Any further referrals to DPI & Crown Lands can be sent by email to: [dpi.cabinet@dpi.nsw.gov.au](mailto:dpi.cabinet@dpi.nsw.gov.au)  
& [lands.ministerials@industry.nsw.gov.au](mailto:lands.ministerials@industry.nsw.gov.au) respectively.

Yours sincerely

A handwritten signature in blue ink that reads "Liz Rogers". The signature is written in a cursive, flowing style.

Liz Rogers  
Manager, Assessments  
**Water – Strategic Relations**  
9 January 2020