



## Department of Primary Industries

OUT16/49093

Leanne Grove  
Industry, Key Sites & Priority Projects  
NSW Department of Planning and Environment  
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SYDNEY NSW 2001

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Dear Ms Grove,

### **Frazer Park Quarry Resource Recovery Facility (SSD 6518) Comment on the Environmental Impact Statement**

I refer to the email of 15 November 2016 to the Department of Primary Industries (DPI) in respect to the above matter. Comment has been sought from relevant divisions of DPI. Views were also sought from NSW Department of Industry - Lands that are now a division of the broader Department and no longer within NSW DPI.

Any further referrals to DPI can be sent by email to [landuse.enquiries@dpi.nsw.gov.au](mailto:landuse.enquiries@dpi.nsw.gov.au).

DPI provides the following recommendations for consideration in the final assessment of the proposal, with detailed comments at **Attachment A**.

#### **Recommendations prior to project approval**

- Clarification is requested on water security for the project as the water balance modelling for a dry year indicates the north and south pit will have periods of zero water availability.
- Clarification is requested on whether the existing pits intercept groundwater. If groundwater take is confirmed the proponent will need to ensure sufficient water entitlement can be held within the relevant water source for both during operations and for any ongoing take post closure.
- Proponent to construct a sufficient number of clustered monitoring bores to gain an understanding about the hydrogeology of the site.
- Proponent to provide and present all available hydrogeological data including borehole logs in a hydrogeology report prepared by a suitably qualified hydrogeologist.
- Proponent to provide several cross-sections through the site depicting the hydrogeology of the site

#### **Recommendations post project approval**

- Proponent to describe all surface water courses in the vicinity of the site, including describing coastal swamps evident downstream.

- Proponents to perform quarterly water quality testing and to include a comprehensive suite of water samples from the areas potentially impacted by “Tip and Sort area” contamination source.
- Proponent to perform a comprehensive suite of quarterly water quality testing and include all surface water expressions including the dams on site; water courses and coastal swamps off site to establish baseline conditions.
- At approximately 6 monthly intervals or minimum twice yearly for the first two years of operations and annual thereafter the proponent sample for a full suite of analytes including heavy metals in groundwater at the monitoring bores (which are yet to be installed). Results are to be reported within the Annual Reporting document showing an assessment against the baseline results and ANZECC guidelines.
- Proponent to install liners to mitigate impacts to groundwater at the “Tip and Sort Area” and downstream dams that may potentially receive contaminated water.
- Proponent to provide detail on adequate Trigger Action Response Plans (TARP) and measures for dealing with exceedances of contamination occurrence in groundwater or surface water.
- Proponent to monitor water levels in the dams.
- Proponent's Groundwater Consultant to liaise with DPI Water Hydrogeologists who will be made available for a meeting to discuss the existing issues and recommendations.

Yours sincerely



Mitchell Isaacs

**Director, Planning Policy & Assessment Advice**

14 December 2016

*DPI appreciates your help to improve our advice to you. Please complete this three minute survey about the advice we have provided to you, here:*

<https://goo.gl/o8TXWz>