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## Coral Sea Park – Site Dust Controls Review

### Introduction

EDP Consultants Pty Ltd was engaged by Randwick City Council (RCC) (the client), to provide consultancy services for the works located at Coral Sea Park. The objective of this letter is to summarise the effectiveness of the environmental controls and monitoring in place at the site in relation to dust management.

EDP have reviewed the project management plan (PMP) for the site, produced by Statewide Civil Pty Ltd (Principal Contractor) in August 2022. At the request of RCC, EDP attended the site on 22 December 2022 to observe the dust mitigation measures.

### Observations and Findings

During EDP's site attendance, EDP observed the following dust control measures as required by the PMP were operational:

- The presence of a water cart which had been recently active at the site.
- Geotextile coverings over stockpiles
- An automated water misting system which was fixed to the western perimeter downgradient fences
- Stationary outdoor air quality monitoring instrument for dust (PM10 and PM2.5) in 2 static locations along the western boundary of the site (observed to be in the downgradient wind direction).

EDP also observed endeavours by Statewide Civil and RCC to provide additional dust mitigation protocols by applying geotextile to flat surfaces within the site to further minimise wind generated dust. The following specific observations, anecdotal evidence or findings from document reviews were made regarding the dust control measures:

#### Onsite water cart

- EDP understands that the water cart drives over the working area two times/day and sprays down the ground surface. Additionally, the cart is used on an 'as-needed' basis in other areas of the site when earthworks are occurring.

#### Placement of geotextile and stockpile management

- EDP understands that in addition to stockpiles, flat surfaces recently covered with dgb and sand base material were compacted, and then covered and weighted down with geofabric. EDP understands this measure was an additional precaution to minimise dust during site standdown over Christmas.
- Semi-permanent stockpiles at the site were noted to have been purposeful seeded to create a grass cover. This was observed specifically in the southeast elevation of the site with grass covering the majority of exposed soil and effectively removing the opportunity for wind borne dust generation.

#### Stationary outdoor air quality monitoring

- This monitoring has been undertaken by Sydney Environmental Group since 10<sup>th</sup> November 2022, and the 4 monitoring reports provided on RCC's website indicate that all monitoring results since then have been below the adopted site assessment criteria.

#### Airborne asbestos monitoring (AAM)

- EDP observed AAM in 4 static locations surrounding the working area of the park. EDP understands that there is no active asbestos risk or asbestos removal works at the site, however AAM is continuing so as to demonstrate that any current risk at the site with regard to asbestos is negligible. A register of all AAM results is provided on Randwick City Councils website showing concentrations below the asbestos detection limit.

#### Installation of temporary irrigation system

- EDP observed 4 sprinklers on site which produce a water curtain four times / day for 30 minutes.

#### Closure

Based on EDP's observations of the site, adherence to communicated dust management protocols by Statewide Civil, RCC and the PMP, and evidence of effective dust management following review of available dust and AAM reports, EDP can confirm that the controls being implemented at the site are more than satisfactory in relation to management of any potential dust generation at the site. EDP makes no recommendations for additional dust controls.

Please contact the undersigned should you require any further assistance.

**Yours sincerely**



**Lizzy Gibney**  
**Environmental Consultant**

