



30<sup>th</sup> September 2021

Ms Sheelagh Laguna  
A/Team Leader  
Industry Assessments  
Department of Planning, Industry and Environment  
Locked Bag 5022  
Parramatta NSW 2124

For lodgement: NSW Major Projects Portal

Dear Ms Laguna,

***Re: Request for Additional Information – Air Quality and Noise & Vibration Impact Assessments – Kariong Sand and Soil Supplies – SSD8660***

Thankyou for your assistance in relation to the assessment of the Kariong Sand and Soil Supplies development, proposed for 90 Gindurra Rd, Somersby (SSD8660).

Please see attached the further requested information to assist the Department finalise the assessment of the Air Quality and Noise & Vibration Impact Assessments. A summary of the documentation attached to this letter is provided below.

Additional information – Air Quality Impact Assessment

Thankyou for your email dated 16<sup>th</sup> March 2021 seeking feedback on a peer review conducted by Todoroski Air Sciences (dated 11/03/21) on the Air Quality Impact Assessment Addendum Report (the Addendum Report) prepared by Northstar Air Quality Pty Ltd (dated 15/02/21).

The addendum report prepared by Northstar Air Quality Pty Ltd that was subject to a peer review process was in response to agency comments on the EIS prepared for Kariong Sand and Soil Supplies (SSD 8660).

Our air impact assessment specialist, Northstar Air Quality, has carefully considered comments made by Todoroski Air Sciences on the Addendum Report. This response is provided in a letter given in Attachment 1.

We also attach a letter of advice from an independent air quality expert engaged to review the adequacy of the Air Quality Impact Assessment by Northstar Air Quality, including an objective assessment of comments from Todoroski and Northstar Air Quality's response. The review (referred to as the ERM review) was completed by Ms Jane Barnett, Partner – Air Quality, ERM.

Ms Barnett is a leading air quality scientist with more than 25 years' experience in air quality modelling, emissions estimation and assessment. The letter of advice is provided in Attachment 2.

The ERM review noted that based on the air quality impact assessment, the development will be well managed, with best practice mitigation measures in place to ensure emissions are kept to a minimum. Emission estimates are reasonable and have applied appropriate controls where relevant.

The monitoring data used to represent the background conditions at the site are appropriate. Furthermore, there is also commitment to monitor background concentrations and meteorology which will remove the potential uncertainties around these data inputs in the modelling.

Finally, the ERM review found the predictions made using accepted modelling methodology, appropriately conservative emission estimates and representative background data, show that there are no adverse impacts expected at nearby receptors due to the Project.

#### Additional information – Noise and Vibration Impact Assessment

Thankyou for your email dated 8<sup>th</sup> April 2021 with additional questions in relation to the Noise and Vibration Impact Assessment provided by an internal DPIE reviewer. The following additional information has been attached to this letter relating to details to finalise the assessment:

- Attachment 3 – Addendum Report #2 (addressing seven DPIE questions)
- Attachment 4 – Addendum Report #3 (addressing five DPIE questions)
- Attachment 5 – Additional Advice letter (remodelling of noise with additional controls)
- Attachment 6 – Updated Noise and Vibration Impact Assessment.

We trust that this advice now resolves all air quality and noise & vibration matters in relation to the Kariong Sand and Soil Supplies development application.

Please let me know if you need anything further.

Yours sincerely,



**Dr Mark Jackson** B.Sc. (Hons), PhD, Grad. Cert. Mgmt., Exec. Masters Public Admin. (USYD)

Director

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**Attachments:**

1. Air quality – Northstar Air Quality response (dated 01/04/21)
2. Air quality – Peer review report by ERM (dated 01/04/21)
3. Noise and vibration – Waves Addendum report #2 (dated 11/05/21)
4. Noise and vibration – Waves Addendum report #3 (dated 25/05/21)
5. Noise and vibration – Waves Additional advice letter (dated 25/06/21)
6. Noise and vibration – Updated Noise and Vibration Impact Assessment (dated 23/07/21)