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20160482.1/2208A/R2/BW

22/08/2016

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**HDBP Estate Speculative Industrial/Warehouse Facility 2 (SSD 7564) -
Acoustic Response to Comments**

This letter confirms that an acoustic review of the comments received from NSW Planning and Environment regarding the HDBP Estate Speculative Industrial/Warehouse Facility 2 project. The letter includes the information regarding surrounding receivers and required acoustic treatments and controls for noise levels to be complaint at these locations.

This letter is an addendum to the 'Noise and Vibration Impact Assessment' Ref: 20160482.1/0704A/R1/BW and dated 23/05/2016.

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The acoustic assessment has been undertaken to ensure compliance at all surrounding residential receivers including the following:

1. Residences approximately 405m to the West of the site located at 1489 The Horsley Drive.
2. The noise impact assessment has been undertaken to the residential receiver to the north of the site at 2614 Cowpasture Road, Horsey Park, as detailed in the figure below.



The recommended acoustic treatments and controls within the Noise and Vibration Impact Assessment (Ref: 20160482.1/0704A/R1/BW) include those required to ensure all noise levels at surrounding receivers comply with the relevant criteria, including the residential receiver at 2614 Cowpasture Road, Horsey Park.

The relevant noise level criteria at the residential receivers includes the following:

Type of Receiver	Time of day	Recommended Acceptable Noise Level dB(A) L_{eq} period
Residential (Urban)	Day	56
	Evening	50
	Night	45

The predicted noise levels from the aforementioned noise sources are presented in the following Table.

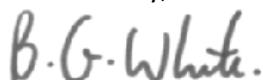
Table 1 – Predicted Noise Levels

Noise Source	Time of Day	Receiver	Predicted Noise Level, dB(A) L_{eq} 15min	Noise Criteria dB(A) L_{eq} 15min	Complies
- Cars entering / exiting - Trucks entering / exiting - Forklift in loading dock area - Internal warehouse/industrial operations	Day	West Residence	<35	56	Yes
		Northern Residence	<40	56	Yes
	Evening	West Residence	<35	50	Yes
		Northern Residence	<40	50	Yes
	Night	West Residence	<30	45	Yes
		Northern Residence	<40	45	Yes

Noise criteria for the day has been based off the INP intrusiveness criteria and the evening and night have been assessed against the amenity criteria. Based on the assessment noise levels will comply with the relevant noise level criteria at all surrounding receivers including 1489 The Horsley Drive and 2614 Cowpasture Road, Horsey Park.

We trust this information is satisfactory. Please contact us should you have any further queries.

Yours faithfully,



Acoustic Logic Consultancy Pty Ltd
Ben White