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Project 5413
29 October 2021

Kimbriki Environmental Enterprises Pty Ltd
Attention: Mr Stuart Dever
Locked Bag 6
TERREY HILLS NSW 2084

Email: Stuart.Dever@kimbriki.com
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Dear Mr Dever

Modification of Development Consent DA96/371 for the Kimbriki Resource Recovery Centre (Mod 2021/0238) to reconfigure the approved Clean Water Diversion System (Mod 2020/0349) – Review of Noise Impacts

A noise and vibration assessment was conducted for the proposed Clean Water Diversion System (Mod 2020/0349) at Kimbriki Centre by Wilkinson Murray Pty Ltd, being report number 20036 Version B dated April 2020. That report was prepared by the author of this letter, Brian Clarke.

Since the preparation of the report a modification of the Clean Water Diversion System has been proposed which consists of modification of the drain design. The only change is the drainage channel arrangement on the Eastern Diversion Drain (Ch 0 – Ch 380) and the Western Diversion Drain (Ch 0 – Ch 1230), where it is intended to construct the channel with no grated section (See attached documentation).

The location and methodology of drain construction are to remain the same as previously proposed, and therefore the noise and vibration predictions, along with findings and recommendations, will also remain the same as that contained in the referenced noise and vibration assessment that was prepared by myself (in April 2020). Those findings were:

- The proposed construction will cause minor exceedances of the site-specific noise criteria at residences on Kamber Road (by up to 4 dBA) and Kimbriki Road (1-2 dBA) and during some periods when rock breakers are used. The noise emissions will progress along the drain route as construction progresses so that predicted exposure will not occur at any one receiver for the entire project. When rockbreakers are not operational no exceedances are predicted;
- no exceedances of noise criteria are predicted at the major suburban area of Terrey Hills;
- management of noise emissions is recommended. Measures to address the potential exceedances should be included in the Construction Environmental Management Plan;
- vibration from construction activities should not cause any adverse impact on residences due to the relatively large distances to receivers; and
- operational noise is predicted to be below the site-specific noise criteria and existing ambient background noise levels.

I trust that the above information is of assistance. Please do not hesitate to contact us on 02 9908 1270 should you require more information.

Yours Faithfully

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Brian Clarke

Senior Associate, BE(Mech)


Document	Revision	Date	Prepared	Checked	Approved
5413L001.BC.211025	Revision 0	25 October 2021	BC	RH	RH
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Figure 1: Proposed Changes

