

19 September 2024

SLR Ref No.: 810.V3459-L02-v1.0-20240911.docx

**SAL Land Limited**  
58 College Hill, Freemans Bay,  
Auckland, 1010

**RE: Ararimu Cleanfill Operations**  
**Acoustic Response to the Request for Further Information**

---

## Introduction

SLR prepared an acoustic assessment (**SLR Report**, 710.30459-R01-v1.0, dated 21 August 2024) to support the resource consent application for the establishment and operation of a managed fill facility at 1618 Ararimu Road in Hunua, Auckland. SLR also provide a response to a requested for further information, relating to the SLR Report, via a letter dated 6 December 2023 (BUN60425181 – DIS60425182, LUC60425183, LUS60425184).

Since then Council have requested additional points for clarification which are addressed below.

## Council Request

*Anomalies regarding the number of truck movements per day/ hour need to be addressed.*

*The Noise Assessment is based on an average of 7 truck movements per hour with a maximum of 100 per day. It is noted that the average of 100 per day over a 12 hour day is 8.3.*

*The Traffic Assessment calculation of Trip Generation is 58-87 trucks per working day (10 hours), which equates to 6-9 trucks each hour or 12-18 truck movements each hour.*

*A higher number of truck movements per hour would increase predicted noise levels at R4. It is also likely that there would be above average truck movements in some hours of the day and this needs consideration.*

*Please update the Acoustic assessment in regard to hourly truck movements to be consistent with the revised expectations regarding fill rate and timeframes, and the predicted truck movements used for the traffic assessment.*

## SLR Response

After issue of the SLR Report the potential number of trucks accessing the site was refined in the Section 92 response by the project Traffic Consultants. Consequently, the acoustic model has now been updated based on the latest truck movements. The AUP daytime assessment period is from 7:00 am to 10:00 pm, a period of 15 hours (Rule E25.6.5).

The updated results are presented in **Table 1** below:

- Up to 87 trucks could access (arrive and depart) the site over the busiest day, with up to 9 trucks accessing the site in the peak hour (18 movements in the peak hour). This equates to an average of 6 trucks over the 15-hour daytime assessment period (a duration adjustment of 4 dB in accordance with NZS 6802).

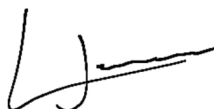
**Table 1 Updated Predicted Operational Noise Rating Levels, dB LAeq**

Receiver	AUP Daytime Noise Limit (7:00am to 10:00pm)	Predicted Noise Rating Level	Expected Outcome
R1	55	52	Compliance
R2	55	44	Compliance
R3	55	44	Compliance
R4	55	55	Compliance
R5	55	52	Compliance

The predicted noise rating levels representative of the typical operations, comply with the AUP daytime noise limit at surrounding receivers.

We trust the above serves to supply the information required, should you have any queries please do not hesitate to contact us.

**SLR Consulting New Zealand**



**LJ Jansen**  
Associate – Acoustics & Vibration  
ljansen@slrconsulting.com



**Peter Runcie**  
Technical Director – Acoustics & Vibration  
pruncie@slrconsulting.com



**From:** Lodewyk (LJ) Jansen <ljansen@slrconsulting.com>  
**Sent:** Friday, 4 April 2025 12:01 PM  
**To:** Andrew Gordon  
**Subject:** RE: BUN60425181 - Ararimu Road Managed fill - Council comments on s92 response provided 17-2-25

Hi Andrew,

Great catching up over the phone.

In our latest response, the noise rating level represents the busiest day onsite (87 trucks entering and existing the site over the daytime assessment period.

As indicated in the original assessment (810.V30459-R01-v1.0 21 August 2023) Section 5.1, the fifth bullet point on page 5, a duration adjustment was applied to the managed fill equipment (excavator, dozer and compactor), based on the assumption that the equipment would not be on continuously. This duration adjustment of 4 dB was calculated based on the managed fill equipment would operate approximately for 50% of the time (being up to 6 hours based on the site operating from 7am to 7pm) and applied over the AUP daytime assessment period's 15hours.

The receiver that is exposed to the highest noise levels is 1628A Ararimu Road (referred to R4 in the results table) with the predicted noise rating level of 55 dB LAeq.

I can confirm that the contribution from the managed fill equipment is 44 dB LAeq and the noise received at this receiver is controlled by truck movement, with a contribution of 54 dB LAeq.

## **Lodewyk (LJ) Jansen**

Associate - Acoustics & Vibration

**O** +64 7 444 5009

**M** +64 29 122 7053

**E** ljansen@slrconsulting.com

SLR Consulting New Zealand Limited a subsidiary of SLR Holdings NZ Limited  
Level 2, 214 Collingwood Street, Hamilton Lake, Hamilton, New Zealand 3204



This e-mail is intended only for the addressee. Its use is limited to that intended by the author at the time and it is not to be distributed without the author's consent. Unless otherwise stated, SLR accepts no liability for the contents of this e-mail except where subsequently confirmed in writing. The opinions expressed in this e-mail are those of the author and do not necessarily represent the views of SLR. This e-mail may be subject to a claim of legal privilege.

SLR is committed to the responsible and ethical use of relevant technologies including artificial intelligence (AI). If you have any questions or concerns, please contact us directly.

If you have received this e-mail in error, please notify the author and delete this message immediately.

---

**From:** Andrew Gordon <Andrew.Gordon@aucklandcouncil.govt.nz>  
**Sent:** Friday, 4 April 2025 11:14 am  
**To:** Lodewyk (LJ) Jansen <ljansen@slrconsulting.com>  
**Subject:** RE: BUN60425181 - Ararimu Road Managed fill - Council comments on s92 response provided 17-2-25

Sorry had to step out, your free now?

**From:** [Marian Whitehead](#)  
**To:** [Marian Whitehead](#)  
**Subject:** FW: Ararimu Managed Fill - noise clarification  
**Date:** Thursday, 7 August 2025 9:21:48 am  
**Attachments:** [image001.png](#)  
[image002.png](#)  
**Importance:** High

---

**From:** Lodewyk (LJ) Jansen <[ljansen@slrconsulting.com](mailto:ljansen@slrconsulting.com)>  
**Sent:** Thursday, 17 July 2025 9:14 am  
**To:** Marian Whitehead <[Marian.Whitehead@aucklandcouncil.govt.nz](mailto:Marian.Whitehead@aucklandcouncil.govt.nz)>  
**Cc:** Laila Alkamil <[laila.alkamil@wwla.kiwi](mailto:laila.alkamil@wwla.kiwi)>; Alistair <[alistair@sbcivil.nz](mailto:alistair@sbcivil.nz)>  
**Subject:** RE: Ararimu Managed Fill - noise  
**Importance:** High

Hi Marian,

The minimum setback distance at which the six-hour operational limit for equipment may apply is 160 metres from a dwelling based on all earth moving equipment operating within that distance.

Most surrounding receivers are located more than 160 metres from the managed fill site, with the exception of 1628B Ararimu Road (R5 in the SLR assessment). At other assessment locations where the predicted noise levels approach the limit of 55 dB LAeq, these levels are primarily influenced by vehicle movements rather than large earth moving equipment and so the location of the earth moving equipment is less critical.

### Lodewyk (LJ) Jansen

Associate - Acoustics & Vibration

**O** [+64 7 444 5009](tel:+6474445009)

**M** [+64 29 122 7053](tel:+64291227053)

**E** [ljansen@slrconsulting.com](mailto:ljansen@slrconsulting.com)

SLR Consulting New Zealand Limited a subsidiary of SLR Holdings NZ Limited  
Level 2, 214 Collingwood Street, Hamilton Lake, Hamilton, New Zealand 3204



Follow us  
on LinkedIn

This e-mail is intended only for the addressee. Its use is limited to that intended by the author at the time and it is not to be distributed without the author's consent. Unless otherwise stated, SLR accepts no liability for the contents of this e-mail except where subsequently confirmed in writing. The opinions expressed in this e-mail are those of the author and do not necessarily represent the views of SLR. This e-mail may be subject to a claim of legal privilege.

SLR is committed to the responsible and ethical use of relevant technologies including artificial intelligence (AI). If you have any questions or concerns, please contact us directly.

If you have received this e-mail in error, please notify the author and delete this message immediately.