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January 19, 2024

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**Re: Response to Peer Review Comments – Land Use Compatibility/Mitigation Study (Noise)  
Burnside Bridge Road  
RWDI Reference No. 2202279**

Dear David & Debbie,

This letter summarizes RWDI AIR Inc. (RWDI) comments regarding the SLR Consulting (Canada) Ltd. (SLR) report titled "Environmental Noise & Vibration Assessment, Parry Sound Area Planning Board Consent Application B46/2021 (McDougall) – (Sim Consent)" dated October 25, 2023. SLR's report was prepared for Hall Construction Inc. to assess the potential noise impacts from their Georgian Rock Company quarry (Quarry) operations on the proposed severance of the Sims lands. Any comparisons to work completed by RWDI has been done against RWDI's report titled "Burnside Bridge Road Municipality of McDougall, Ontario Land Use Compatibility / Mitigation Study (Noise)" dated December 24, 2021.

1. Equipment sound levels and operating assumptions by SLR and RWDI are similar.
2. SLR modelled additional operating scenarios that RWDI did not. as that information was not known at the time of preparing RWDI's report.
3. Site is approved for future aggregates, ready-mix concrete, and asphalt plants. Aggregate operations were assessed by RWDI but not ready-mix or asphalt. These activities are not present in current satellite imagery of the site.
4. SLR's sound level contour figures generally show results similar to RWDI's despite differences in Quarry assumptions. Both sets of figures show sound level exceedances (i.e. sound levels in excess of NPC-300 default sound level limits) along the northern portions of the lots. Exceedances are also shown during different Quarry operating scenarios, but the figures also illustrate that compliance can be achieved at the rear of the severed lots (at the south end). This has not been discussed.
5. Quarry cross-section plans indicate that as extraction proceeds, the working face will form a natural barrier which will reduce the operations' sound levels. This can be as high as 30 m in some areas facing the proposed severance. It appears that only current on-site terrain elevations were used in SLR's assessment. This does not account for future elevations as extraction continues. Based on the cross-section plans, sound levels are likely to be reduced in the future as extraction continues.
6. Extraction activities have been modelled by SLR along the southern portion of the Quarry which would represent the worst-case scenario for the proposed severed lots. It appears that as extraction continues, the equipment (i.e. sources of noise) that has been modelled by SLR will move on site and eventually end up along the rest of the site's perimeter. Noting this, there are





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closer existing residences along the western and norther perimeters that will be exposed to similar, or higher sound levels, than what is predicted by SLR's report at the proposed severed lands. The municipality should evaluate this case and consider the difference in sound levels that the proposed severed lots could be exposed to, and what the existing lots are already exposed to. Sound levels might be similar.

7. Although exceedances are shown at each of the lots, conservative assumptions were made in terms of where houses can be built on each of the lots, as well as the direction that sensitive-space windows are facing (i.e. bedroom windows). There are cases of municipalities approving housing designs where sensitive spaces are facing away from adjacent industrial activities. In this case, bedroom windows can be located on the southern façades with the houses acting as barriers. Depending on the housing locations and layouts, bedroom windows could also face east and west with the houses acting as partial barriers.

Yours truly,

A handwritten signature in black ink, appearing to be 'SG' with a stylized flourish.

Slavi Grozev, P.Eng.  
Senior Engineer – Noise and Vibration  
RWDI

January 19, 2024



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## STATEMENT OF LIMITATIONS

This letter entitled "Response to Peer Review Comments – Land Use Compatibility/Mitigation Study (Noise)" was prepared by RWDI AIR Inc. ("RWDI") for David & Debbie Sim ("Client"). The findings and conclusions presented in this report have been prepared for the Client and are specific to the project described herein ("Project"). The conclusions and recommendations contained in this report are based on the information available to RWDI when this report was prepared. Because the contents of this report may not reflect changes made to the facility and/or the operations therein after the date of this report, RWDI recommends that it be retained by Client in the event such changes are contemplated/implemented in order to verify that the results and recommendations provided in this report are still applicable for such changes.

The conclusions and recommendations contained in this report have also been made for the specific purpose(s) set out herein. Should the Client or any other third party utilize the report and/or implement the conclusions and recommendations contained therein for any other purpose or project without the involvement of RWDI, the Client or such third party assumes any and all risk of any and all consequences arising from such use and RWDI accepts no responsibility for any liability, loss, or damage of any kind suffered by Client or any other third party arising therefrom.

Finally, it is imperative that the Client and/or any party relying on the conclusions and recommendations in this report carefully review the stated assumptions contained herein to understand the different factors which may impact the conclusions and recommendations provided.