

Narda Botha

From: Rewa Satory <rs@aeservices.co.nz>
Sent: Wednesday, 21 February 2024 10:01 am
To: Henderson, Andrew
Cc: Online Resource Consent Applications
Subject: [EXTERNAL] RE: RC235522: Burnham 2020 Quarry - further info received

Hi Andrew

Thanks for sending that through – that's helpful.

We don't have any further questions and could prepare our review from here, what is the timeframe?

You mentioned arranging a site visit, has there been any progress on that?

Kind Regards
Rewa

Rewa Satory

BE (Mech), MASNZ

Associate Acoustic Engineer



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From: Henderson, Andrew <Andrew.Henderson@jacobs.com>
Sent: Tuesday, 20 February 2024 9:54 am
To: Rewa Satory <rs@aeservices.co.nz>
Cc: Online Resource Consent Applications <Online.ResourceConsentApplications@selwyn.govt.nz>
Subject: RC235522: Burnham 2020 Quarry - further info received

Hi Rewa – response below.

Andrew Henderson | MNZPI, MRRP (Dist), BA | [Jacobs](http://jacobs.com) | Principal Planner | Technical Lead | Planning and Environmental Approvals ANZ
M:+64 022 544 5874 | andrew.henderson@jacobs.com
2/47 Hereford Street | Christchurch | New Zealand

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From: Claire Kelly <claire.kelly@boffamiskell.co.nz>
Sent: Tuesday, February 20, 2024 8:57 AM
To: Henderson, Andrew <Andrew.Henderson@jacobs.com>
Cc: Online Resource Consent Applications <Online.ResourceConsentApplications@selwyn.govt.nz>; Dan McGregor (Winstone Aggregates) <Dan.McGregor@winstoneaggregates.co.nz>
Subject: [EXTERNAL] RE: Burnham 2020 Quarry - further info received

Good morning,

The answer to the acoustic experts question is that we do not intend to apply the noise limits at the site boundary. Furthermore, the POSDP contains the following rule to manage reverse sensitivity effects:

GRUZ-REQ11: Sensitive Activity Setback From Mineral Extraction

1. Any sensitive activity established after 19 August 2023 shall be set back from any lawfully established, authorised or operational mine or quarry, or any operational mine or quarry located on any property listed in GRUZ-SCHED1 at least:

- a. 200m to any authorised excavation associated with mining, extracting or winning aggregate
- b. 500m to any authorised processing or aggregate recovery; and
- c. 500m to any authorised activity that involves blasting.

Notes:

1. The establishment of residential units, or minor residential units on the same site as the mine or quarry are exempt from this rule requirement.
2. Existing residential units or minor residential units within the specified setback that are rebuilt on their existing site but no closer to the mine or quarry are exempt from this requirement.

Kind regards
Claire.

Claire Kelly | Planner | Senior Principal | Full Member, New Zealand Planning Institute

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From: Henderson, Andrew <Andrew.Henderson@jacobs.com>
Sent: Monday, February 19, 2024 3:31 PM
To: Claire Kelly <claire.kelly@boffamiskell.co.nz>
Cc: Online Resource Consent Applications <Online.ResourceConsentApplications@selwyn.govt.nz>
Subject: FW: Burnham 2020 Quarry - further info received

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Regards

Andrew

Andrew Henderson | MNZPI, MRRP (Dist), BA | [Jacobs](#) | Principal Planner | Technical Lead | Planning and Environmental Approvals ANZ

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From: Rewa Satory <rs@aeservices.co.nz>
Sent: Monday, February 19, 2024 2:19 PM
To: Henderson, Andrew <Andrew.Henderson@jacobs.com>; Jeremy Trevathan <jt@aeservices.co.nz>
Cc: Online Resource Consent Applications <Online.ResourceConsentApplications@selwyn.govt.nz>
Subject: [EXTERNAL] RE: Burnham 2020 Quarry - further info received

Hi Andrew

Thanks for sending through that response. I think the Planner may have misunderstood the question.

The proposed noise limits and the POSDP standards are all measured at the notional boundaries of the nearest dwellings. In this situation the modelling indicates that compliance is expected at all existing notional boundaries. However, the predicted noise levels exceed 55 dB L_{Aeq} at the site boundaries of some properties. If a dwelling were built close to the locations where noise of over 55 dB L_{Aeq} is expected, would the Applicant modify their activity to comply with the notional boundary limit of the new dwelling, or would existing use rights apply (in which case there may be a Reverse Sensitivity effect which should be being considered as part of this process)?

It is correct that the expected noise levels comply with the 55 dB L_{Aeq} limit at all existing notional boundaries. We note that at some properties, particularly those to the northwest on Kivers Road the expected noise levels are well below the proposed limits, which would allow for a higher level of activity than has been applied for. As we stated below a previous application for a large quarry in Selwyn had the noise limits apply at the site boundary with a relaxation in the vicinity of the site entrance, which allows for easier monitoring and removes the reverse sensitivity issue for future dwellings.

Perhaps the question could be forwarded to MDA as they are very familiar with the issue underlying the question (the quote in italics in our 2/2/24 email below was from a different recent MDA quarry report).

Kind Regards
Rewa

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From: Henderson, Andrew <Andrew.Henderson@jacobs.com>
Sent: Monday, 19 February 2024 9:15 am
To: Jeremy Trevathan <jt@aeservices.co.nz>; Rewa Satory <rs@aeservices.co.nz>
Cc: Online Resource Consent Applications <Online.ResourceConsentApplications@selwyn.govt.nz>
Subject: FW: Burnham 2020 Quarry - further info received

Good morning – please find attached the reply from MDA for the outstanding question on the Burnham 2020 quarry.

Kind regards

Andrew

Andrew Henderson | MNZPI, MRRP (Dist), BA | [Jacobs](#) | Principal Planner | Technical Lead | Planning and Environmental Approvals ANZ
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From: Claire Kelly <claire.kelly@boffamiskell.co.nz>

Sent: Monday, February 19, 2024 8:45 AM

To: Henderson, Andrew <Andrew.Henderson@jacobs.com>; Dan McGregor (Winstone Aggregates) <Dan.McGregor@winstoneaggregates.co.nz>

Subject: [EXTERNAL] RE: Burnham 2020 Quarry - further info received

Good morning,

Sorry for the delayed response but in reply to the email from AES, we advise that:

The noise limits in the POSDP are 55dB LAEQ (15 mins) between 7.00am and 10pm and 45dB LAEQ (15 mins) between 10pm and 7am.

Marshall Day has assessed that all activities within the Site will always meet these standards. In fact, 'noise levels are likely to be well within the proposed limits and therefore no adverse noise effects will arise from activities undertaken within the Site.' As such, the noise limits will also be met at the notional boundary of any future dwellings. So, we are unsure why AES considers that 'noise limits as proposed would also enable noise emissions considerably in excess of what have been predicted or assessment in the MDA report.'

Regarding, noise within the road corridor. This is Permitted by Rule NOISE-R1 (3) Activity status: PER: Traffic and rail noise generated within a land transport corridor.

However, MDA took a precautionary approach as the quarry is a discretionary activity and assessed noise generated by quarry trucks in the transport corridor.

We hope that assists,

Kind regards

Claire.

Claire Kelly | Planner | Senior Principal | Full Member, New Zealand Planning Institute

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From: Henderson, Andrew <Andrew.Henderson@jacobs.com>

Sent: Thursday, February 8, 2024 12:46 PM

To: Dan McGregor (Winstone Aggregates) <Dan.McGregor@winstoneaggregates.co.nz>; Claire Kelly <claire.kelly@boffamiskell.co.nz>

Subject: FW: Burnham 2020 Quarry - further info recieved

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Regards

Andrew

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I work flexibly at Jacobs. I'm sending this message now because it suits me. I don't expect you to read, action or respond out of normal work hours.

From: Rewa Satory <rs@aeservices.co.nz>

Sent: Friday, February 2, 2024 1:34 PM

To: Henderson, Andrew <Andrew.Henderson@jacobs.com>

Cc: Jeremy Trevathan <jt@aeservices.co.nz>

Subject: [EXTERNAL] RE: Burnham 2020 Quarry - further info recieved

Hi Andrew

Thanks for sending that through. We don't have any further queries with regard to those responses.

However, we do have one further question about the noise limit Condition suggested in section 13.0 of the Marshall Day report. MDA propose noise limits which would apply within the notional boundary of any dwelling. This leaves a loose end around the situation for future dwellings – would the Consent Holder need to modify their operation to comply at these new noise receivers, or have 'existing use rights' and so not modify their operation – but in doing so create a possible reverse sensitivity effect? For a recent similar large scale quarry the noise limits were applied at the site boundary (with a relaxation in the vicinity of the site entrance), as *"it is simpler from a noise monitoring or enforcement perspective as access to private land is not required. It also provides certainty for both [the applicant] and their neighbours in that the "noise footprint" of the site is clearly defined, irrespective of any future development around the quarry."*

Is there a reason for the departure from that previous approach in this case? We note that the noise limits as proposed would also enable noise emissions considerably in excess of what have been predicted or assessment in the MDA report.

Kind Regards

Rewa

Rewa Satory

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From: Henderson, Andrew <Andrew.Henderson@jacobs.com>
Sent: Friday, 26 January 2024 2:21 pm
To: Jeremy Trevathan <jt@aeservices.co.nz>; Andy Carr <andy.carr@carriageway.co.nz>
Subject: Burnham 2020 Quarry - further info recieved

Hi both – answers to your respective s92 Questions attached. Can you please let me know if there are any residual matters? I will carry on with preparing the notification report. We will likely organise a site visit in the next month or so – I'll let you know a range of dates.

Thanks

Regards

Andrew

Andrew Henderson | MNZPI, MRRP (Dist), BA | [Jacobs](https://www.jacobs.com) | Principal Planner | Technical Lead | Planning and Environmental Approvals ANZ
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From: Dan McGregor (Winstone Aggregates) <Dan.McGregor@winstoneaggregates.co.nz>
Sent: Friday, January 26, 2024 1:03 PM
To: Henderson, Andrew <Andrew.Henderson@jacobs.com>
Cc: Claire Kelly <Claire.Kelly@boffamiskell.co.nz>
Subject: [EXTERNAL] Burnham - s92 Response

Hi Andrew,

Please find attached our response to your s92 request for further information.

Regards

Dan

Dan McGregor
Senior Project & Resource Advisor
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