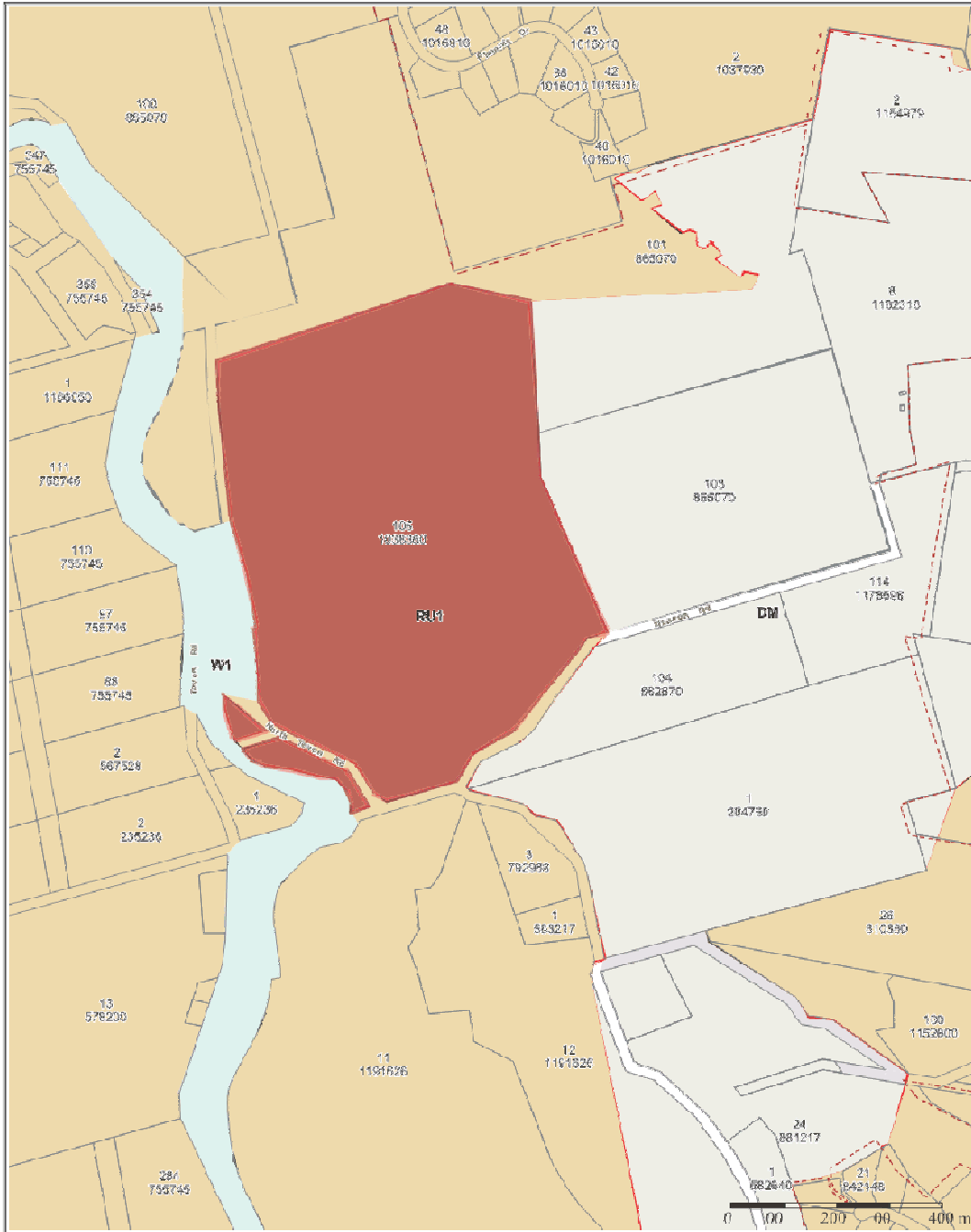


8.1 **DA 1995/292 Section 96 - Boral North Teven Road Quarry.DOC**



Ballina Shire Council
 43 Cherry Street
 BALLINA NSW 2478
 PO Box 450
 BALLINA NSW 2475
 DR 5686 4444
 Council@ballina.nsw.gov.au
 www.ballina.nsw.gov.au



**DA 1995/292, NO. 348 North Teven Road, Teven
 (Lot 105 DP 1038360)**

ballina shire council
 geographical information system

Project No: 673444 / DMA zone 56
 Date: 31/10/2016

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**DM & GH Perkins
444 North Teven Road
Teven NSW 2478**

23-06-2016

Mr Anthony Peters
Ballina Shire Council

Re: DA 1995/292 Section 96 Application to Modify Consent

We, Denis & Gayl Perkins, have lived at 444 North Teven Road for over 30 years. Our property is on both the North and East boundaries of the Boral Quarry at Teven.

Boral have always been good neighbours of ours & have always sought to work with the whole community in the Teven Valley to provide a harmonious relationship between Boral & the neighbours.

The resources provided by Boral from this quarry are vital to the future development needs & roads infrastructure, not only in the Ballina Council area but the whole North Coast.

It is with no hesitation that we support the Boral Application to Modify Consent as requested.

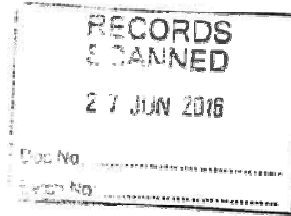
With kind regards,

Yours sincerely



Denis & Gayl Perkins

M and D Latham,
P.O. Box 567
Ballina 2478
24 June 2016



The Shire Clerk,
Ballina Shire Council.

Attn Kerri Watts, Acting Group Manager, Development and Environmental Health Group.

Re DA 1995/292, Boral resources (Country) Pty Ltd, Lot105DP1038360, 348 North Teven Road.
Application to modify consent.

Dear Sir,

We have lived at 505 North Teven Road, about 1½ Km west of the quarry for about 25 years. I know that your approval for this is a foregone conclusion, but after 20 years of enduring such an obtrusive neighbour I would like you to consider some of the problems that have been forced on us and the wildlife which share Maguires Creek.

The approval given in 1996 contained many conditions. Not all of the conditions have been complied with or enforced by Council.

The reasons given for the conditions were:-

"3. to protect the existing and likely future amenity of the locality.

4. to ensure traffic efficiency and safety."

The operation of the quarry HAS diminished the amenity, quality of life and the safety of nearby residents. In the following ways.

Dust and noise.

Quarry workers are protected by Health and Safety rules regarding dust and noise. Neighbours of the quarry are not. Clouds of dust are regularly seen above both quarries (Holcim quarry is just across the creek, about 2Km away from the Boral quarry.) The dust is carried up the valley by the wind and is deposited on every surface of houses, sheds, cars and machinery. After rain the mud from quarry truck tyres is deposited on the bitumen road for up to a kilometre. When it dries it becomes dust and is stirred up by the wind or other trucks and blows up the valley.

Noise of quarry operations, excavators, reversing buzzers, crushers and explosions are loud enough to annoy residents in what was once a quiet area.

Noise from the hundreds of trucks is another annoyance. While the majority of drivers are considerate, there are some that seem to delight in making noise. Some appear to have modified exhausts or operate their exhaust brakes unnecessarily. Not all of the trucks are owned by Boral. We have never seen any trucks being stopped for inspection.

Some trucks have to pass our house twice. Once on the North Teven road and again on the Teven road as we live beside the creek and the two roads are only about 50 metres apart.

Times of operation.

Trucks often leave before 7AM. This is especially annoying during "daylight saving". There is always an excuse offered but the action is repeated when it suits. Just another annoyance. I'm sure Council never checks and complaining is unpleasant for both parties. (This item was raised in 1996 and the quarry manager said he would "look into it")

Water runoff.

No one can accurately predict how much rain will fall but Ballina area is known to be a high rainfall area. The original application for expansion of the quarry indicated that there would never be more than 75mm of rain to deal with. Has anybody in authority ever questioned this untruth? Rainwater is often seen spilling out the quarry gate across the road toward the creek.

Our raingauge registered 280mm on 4th June this year and there have been many occasions in the last 20 years that 200mm has been exceeded. The road either side of the quarry was damaged twice by water erosion in the last month by runoff from other parts of the quarry

Wildlife.

In the last 20 years we have witnessed the disappearance of many local species. In the 1990s we were entertained by up to a dozen platypus in the creek. We have not seen any in the last 2 years. Brolga we have not seen since 1999. Swamp wallabies and Lace monitors were once abundant are now rarely seen. It is now rare to see a large River Dragon lizard.

Australian Grebe, Royal Spoonbill, Nankeen Heron and other visitors never come anymore.

I believe the noise and vibration from the explosions and the hundreds of trucks have made them seek quieter habitats. I hope they are not becoming locally extinct.

With the increased traffic there has been an increase in roadside rubbish which is then pulverised by a Council slasher and the small pieces wash into drains and into the creek.

Traffic Danger

Many cyclists now share the road with large trucks and faster traffic. The danger should be obvious. The entrance to our property is not far from a bend in the road and we often have to react quickly when a vehicle travelling at 80?kmh appears when we are entering or leaving.

Drivers of all vehicles seem to have difficulty with the sharp turns at both ends of the new Emigrant Creek bridge.

Perhaps Council could reconsider speed limits in the area from the Tintenbar road to the sawmill on Teven Road?

Pedestrians.


Our farm is split by the 30m wide creek. Once a pleasant 1km walk by the road it is now fraught with danger on the road bridges across Houlaghans Creek and Maguires Creek without any separate pedestrian walkways. Fast moving traffic combine with slower loaded trucks with trailers.

Schoolchildren also have to share the bridges. Walkways have been built on almost all other bridges. Why not Teven.

There was once talk of a bus shelter being built for schoolchildren near the Emigrant Creek bridges.

We hope that these concerns will be addressed before approval is given

Yours Sincerely



for M and D Latham

The General Manager
Ballina Shire Council
PO Box 450
BALLINA NSW 2478
Email: council@ballina.nsw.gov.au

22 August 2016

Dear General Manager,

Re: Boral Teven Quarry - Development Application 1995/292

We are residents of 293 North Teven Road. Collectively, we have been representatives on Boral Teven Quarry's Community Consultative Committee over the last four years.

As a neighboring property well within the minimum buffer distance of 1km, we did not receive a letter regarding Boral's DA application. It was later confirmed by Council's customer service staff that a letter was not mailed to our address. However, we thank Council Planner, Andrew Smith for giving us an opportunity to provide feedback on proposed modifications to Boral Teven Quarry's consent.

After careful consideration of the modifications and as detailed at Boral's various Community Consultative Committee and whole-of-community meetings, our feedback is not to make any changes to operating hours or include the use of mobile crushing.

The reasons for this are:

- When mobile crushers were used over the past few years (not part of the current consent) they have produced significant noise and dust pollution.
- Boral recently indicated that it had ceased use of mobile crushers as a result of community complaints. This has significantly reduced noise and dust.
- Full cladding of the site fixed plant has significantly reduced noise and dust. The re-introduction of mobile crushing will increase dust and noise.
- The full cladding of the fixed plant was completed only in the last two years even though it was an activity included in Boral's Environment Management Plan from 1995/96 and despite the Ballina community and Boral's business growing over the years.
- At various community meetings, Boral had made a proposal for the exchange of Saturday crushing for an extra hour Monday to Friday (7am-6pm) plus mobile crushing up to 150 work days per year, which we believe is not a fair exchange and is a *significant change to the current consent* and deserves a new development application.
- At a recent community meeting, Boral indicated that dust and noise will increase

as a result of mobile crushing. Our preference is for Boral to look at ways of minimising dust and noise, not the opposite.

We personally have participated at various community meetings and as such, understand that our request for reduced dust and noise is not only our request but also the Teven community's. We hope this will be the case.

A letter with the above rationale was also emailed to Boral on the 29 June 2016.

- Additionally, the proposal to exchange Saturday crushing for an extra hour daily plus mobile crushing would still include Saturday activities of trucking from the site. The projected volume of these traffic movements has not been clearly explained and we are concerned that this will result in significant traffic movements, therefore continued noise and dust on a weekend.

Again, thanks for the opportunity to provide feedback. If you need to contact us, we are available on 0400 111 575 / 0413 131 175.

Yours sincerely,
Rajee and Sam Henderson

Build something great™



19 October 2016

Boral Property Group
Clunies Ross St, Prospect 2148
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F: +31 (02) 9033 5305

www.boral.com.au

The General Manager
Ballina Shire Council
BALLINA NSW 2478

Attention to: Anthony Peters
Emailed to: Anthony.Peters@ballina.nsw.gov.au

Dear Mr Peters,

**Response to submissions
Modification to Teven Quarry Modification 2 (DA1995/292)**

1. Introduction

This letter report has been prepared in response to submissions received during the public exhibition of the Statement of Environmental Effects for the modification to the Teven Quarry's development consent (DA 1995/292). The exhibition period occurred between 25 May 2016 and 24 June 2016.

The modification seeks:

- to provide for a consent termination date of 27 June 2026;
- include contemporary environmental performance criteria for noise and air quality;
- permit operation of a mobile crushing plant in addition to the existing fixed crushing and screening plant; and
- amend the approved hours of operation in Condition 8 to allow processing between 7.00 am and 6.00 pm Monday to Friday and prohibit processing on Saturdays.

A summary of the submissions received is as follows:

- Comments from Ballina Shire Council dated 5 August 2016;
- Letter comments from the Environment Protection Authority (EPA) dated 16 June 2016;
- Letter of support from the Perkins dated 23 June 2016;
- Letter comments from the Latham's dated 24 June 2016; and
- Letter comments from the Hendersons dated 22 August 2016.

2. Response to Submissions

Comments from Ballina Shire Council and the Environment Protection Authority (EPA) have been reproduced in bold italics. Boral's responses are provided in plain text.

Submissions by members of the local community have been not been reproduced and been addressed on an issue basis.

2.1 Ballina Shire Council

Operational noise

Although the submitted Statement of Environmental Effects (SEE) and Noise Impact Assessment (NIA), prepared by EMM dated April 2016 outline all reasonable and feasible noise mitigation measures are and will be implemented, the NIA results indicate a substantial exceedance of the Project Specific Noise Level. It is noted that if approved the proposed modification will increase the life of the quarry by 10 years (June 2026).

To reduce the potential noise impacts on sensitive receivers from existing quarry operations and the use of a mobile crusher, it is requested that an additional noise assessment and noise mitigation measures be submitted to Council in accordance with EPA's recommendations and the NSW Industrial Noise Policy.

Comment

This matter is addressed in the response to the EPA submission on noise below.

2.2 Environment Protection Authority

Water

It is noted within the SEE that a number of springs are located in the lower portion of the CW1 catchment. The springs are apparently known to flow year round. A clean drainage line currently diverts waters from the springs and the CW1 catchment through the quarry floor (running east to west) towards an existing watercourse. This drainage line as it stands cannot be defined as a clean drainage line as the waters being diverted may come into contact with exposed areas of the quarry face and operational areas of the premises.

It is recommended that the clean drainage line is diverted around the exposed areas of the quarry to ensure sediment loading within the drainage line does not occur. If the drainage line cannot be diverted around the exposed areas, further controls will need to be implemented around areas where sediment laden water could enter the drainage line to mitigate any potential sediment distribution off-site.

It was also stated within the SEE, that Dam 3 within DW2 currently overflows approximately 3-4 times per year due to limited capacity. EPA notes that Boral is currently investigating potential solutions to the issue at present. A solution must be implemented at the site in accordance with the Managing Urban Stormwater - Soils and Construction: Volume- 2E Mines and Quarries. EPA requests Boral to provide a date in which Boral anticipate these works to be completed.

Within the Teven Quarry- Surface Water Assessment- March 2016, prepared by Royal Haskoning DHV on behalf of Boral Resources (Country) Pty Ltd, it appears that discharge water from the wedge pit within catchment area DW2 is discharged offsite after being diverted through an oil and grease separator.

Dirty water exposed to the stockpiled materials may be diverted to the wedge pit, causing sediment laden water to be discharged off-site. EPA recommends that water captured within this pit and processed through the oil and grease separator is diverted to the main dam for treatment before being discharged offsite.

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Comment

Boral is currently preparing an updated Water Management Plan for the site in consultation with the EPA, to improve stormwater management on site. This is being undertaken via an agreed Pollution Reduction Program (PRP) through the sites environment protection licence, with the relevant actions being completed by April 2017. The PRP requires:

- a review of the sites sediment and erosion control measures in line with *Managing Urban Stormwater: Soils and Construction: Volume 1 and Managing Urban Stormwater Volume 2E Mines and Quarries*;
- installation of proposed improvements; and
- consult with Ballina Shire Council in relation to downstream infrastructure.

The updated Water Management Plan and PRP encompasses the comments made in the EPA's submission and will be completed by April 2017. Boral therefore proposes these measures be included as a condition in a modified consent, as follows:

'The applicant shall update the Water Management Plan within the Environmental Management Plan in accordance with the requirements of the agreed Pollution Reduction Program between Boral and the EPA for Environment Protection Licence 2261.'

Noise

EPA notes that the SEE determines a project specific noise level (PSNL) of Leq, 1s min, 36 dB(A). It appears that within Table 6.3 of the Teven Quarry- Noise Impact Assessment - April 2016 prepared by EMM Consulting on behalf of Boral Resources (Country) Pty Ltd ("the NIA") that approximately 20 exceedances of the PSNL have occurred at sensitive receptors within the noise monitoring period. It was stated within the NIA that these exceedances would reduce to 12 if the Draft Industrial Noise Guidelines (Draft ING) Rating Background Level (RBL) values were utilised.

As the ING is currently in Draft form, the Industrial Noise Policy (INP) minimum RBL values must be applied to the development at this stage. It is noted that Boral is committed to reducing noise impact on amenity and residences within the vicinity of the quarry which has been proven by implementing the full cladding enclosure of the crushing and screening plant and the careful positioning and shielding of the proposed mobile crushing plant.

However, as depicted from table 6.3, the amount of PSNL exceedances trigger the need for further mitigation measures to be implemented at the site to prevent potential noise impacts from the proposed operations and quarrying activities at sensitive receptors. EPA recommends conducting further noise assessments on the use of the mobile plant and its impacts on amenity and residents or alternatively contacting residents identified within the NIA to flesh out the potential for negotiated individual noise criteria agreements.

Comment

As stated, Boral has undertaken all reasonable and feasible measures to reduce noise levels from the fixed processing plant at Teven Quarry. This has reduced noise levels by up to 10 dB in the near field, and made a significant noise reduction at nearby sensitive receivers. Feedback received from these receivers during Community Consultative Committee meetings, has indicated that it is

often not possible to determine whether the processing plant is running at all. This noise reduction of the fixed plant means the noise sources detectable on site are likely to be mobile plant.

To further minimise site noise levels, Boral has now fitted all site mobile equipment with low tonal broadband reversing alarms (non-beeping) and constructed a new bund (4.8 metres high) on the southern boundary of the processing and stockpile area to shield noise and visually screen receivers to the south. Completion of the upgraded bund (10 metres high) between the basalt pit and Beacons Road which shields noise for receivers to the east, is almost complete (see Figure 1). This bund was formerly design at a height of 4 metres.

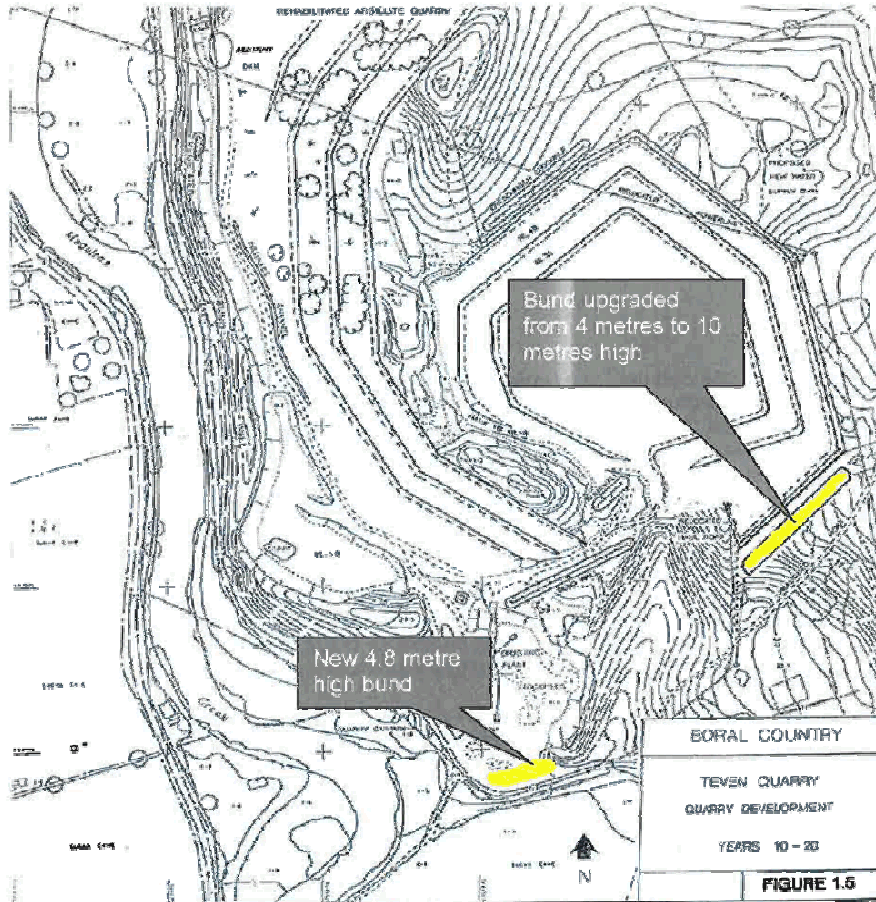


Figure 1: New and upgraded vegetated bunds

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Boral has undertaken an assessment of the mobile equipment (haul trucks and front end loaders) on site and the cost / benefit of retro fitting noise mitigation equipment. In short, the costs are prohibitive for the level of noise reduction that could be achieved at nearby sensitive receivers. This is mainly due to the age of mobile equipment on site and the close proximity of receivers.

However, when mobile equipment is needed to be replaced on site, Boral will replace it with mobile equipment with a lower sound power level. Over time, this will reduce overall site noise from mobile equipment.

Noise modelling is inherently conservative, and assumes that all plant and equipment will be operating simultaneously, which is rarely the case. If noise exceedances of the PSNL occur, Boral will further assess and implement reasonable and feasible mitigation measures to mobile plant, to further reduce site operational noise.

Accordingly, it is proposed that this commitment be included as a condition of a modified consent, as a Noise Mitigation Strategy, to be prepared and incorporated into the updated Environmental Management Plan.

The proposed condition is as follows:

The Applicant will commission a suitably qualified noise consultant to undertake attended noise monitoring at nearby sensitive receivers and provide a written report to Council by 30 June 2017, in order to determine the quarry's compliance with the PSNL's under the relevant INP or ING (whichever is in force).

If the relevant PSNL's are determined to be exceeded by the quarry operations, the Applicant will prepare and implement a Noise Mitigation Strategy, to the satisfaction of Council and the EPA, that:

- *identifies the mobile plant noise sources at the quarry;*
- *investigates reasonable and feasible mitigation measures to reduce mobile plant noise;*
- *proposes a timetable to implement the proposed measures.*

The Noise Mitigation Strategy will be submitted to Council for approval within 6 months of the exceedances being detected.

Air

EPA notes Boral's commitment to reduce potential dust emissions associated with the current and proposed operational activities at the premises as explained within the Air Quality Impact Assessment - Teven Quarry - April 2016 ("the AQIA") prepared by Ram boil Environ on behalf of Boral Resources (Country) Pty Ltd. The housed processing and screening plant is an example of a mitigation strategy that assists in mitigating dust emissions from the premises.

At this stage, the EPA has no identified concerns with the proposed mitigation measures in place at the premises as stated within the AQIA and has no further comment. However, if EPA were to receive any complaints relating to excessive dust from the premises, the EPA may need to reconsider its position on the matter.

Comment

Noted

Licensing

Boral acknowledges that a licence variation may be required, and will prepare the variation once a modified consent is issued.

2.3 Community

Perkins submission

This letter of support is acknowledged and is greatly appreciated.

Latham submission

This submission has made comment on noise, dust, operating hours, water runoff, wildlife, traffic and pedestrian access. More specifically, it states that during the 25 years they have lived near the quarry that amenity has reduced in a once quiet area.

During the last 6 years, and particularly in the last 2 years, Boral has made significant improvements to the quarry in all of these areas, which has improved the local amenity for adjoining neighbours. These improvements have regularly been communicated through website updates (www.boral.com.au/tevenquarry), newsletters, Community Consultative Committee meetings (twice per year), whole of community meetings (every 2 years) and letterbox drops. The feedback Boral has received from other neighbours in the last two years since the enclosure of the fixed plant has been extremely positive, and that it is greatly improved. The other submissions received validate this.

The Teven Quarry Manager will contact the Latham's to follow up their concerns and provide contact details for future queries and feedback. They will also be encouraged to take an interest in the information that Boral distributes about site activities and get involved in the consultation opportunities on offer for members of the community.

Henderson submission

This submission focusses on the use of mobile crushing proposed and the reduction in operating hours.

The use of mobile crushers at Teven Quarry has not occurred for approximately the last 2 years. It was ceased due to feedback from local residents at the time. This was also at a time prior to the fixed plant being enclosed, therefore overall site noise would have been higher. Boral made a commitment to the local community that it would not use mobile crushers again until it had sought approval for use under specific circumstances, and more appropriately located.

This modification is now seeking the specific use of mobile crushers for project work and during fixed plant failure under strict operating conditions to protect the amenity of local neighbours. This has also been proposed while offering to cease processing on Saturdays, which has also been put forward directly in response to feedback from local neighbours. The use of a mobile crushing plant would result in up to a 2dB increase in noise levels at nearby residences, which is almost imperceptible to most people.

The noise levels from mobile crushing would be validated by the noise monitoring condition proposed earlier, as well as any noise mitigation in the event there are noise exceedances.

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In relation to the transportation of quarry products on Saturdays, no changes to this have been proposed under the modification.

3. Closure

This response to submissions has responded to matters raised by Ballina Shire Council, the EPA and three submissions from the local community, two which provided feedback, and one which was a letter of support.

There is a sound justification for the proposed modification. It will allow Boral to continue extraction of a valuable hard rock resource that is consented for extraction, production and despatch. It will also allow Boral to continue to supply the local and regional market and the upgrade of the Pacific Highway as well as maintaining healthy competition in the local and regional market.

The continued operation of the quarry will also secure the continued employment for 11 full time employees, and 15 contractors that service the quarry. This also extends to the many local suppliers and support industries that provide services to the quarry. If the modification is not approved, these direct and indirect jobs will be lost.

Boral's management of the quarry has resulted in improved community consultation, environmental performance and local amenity in recent years. The proposed operation of the site for the next 10 years with proposed modified consent conditions, will see further improvements made.

The proposed modification is considered to be in the public interest and is recommended for approval.

I trust that the information provided in this letter report has addressed all of the relevant areas in the submissions received. Please contact me if you require any further information or clarification.

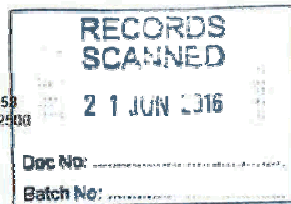
Yours sincerely

A handwritten signature in blue ink, appearing to read "Rod Wallace".

Rod Wallace
Planning & Development Manager (NSW/ACT)



Our Reference: DOC16/273006-02; EF14/24659
 Contact: Dominic Cuggan – (02) 6643 2939
 Date: 16 June 2016



The General Manager
 Ballina Shire Council
 PO Box 450
 Ballina NSW 2478

16 JUN 2016

Attn: Ms Kerri Watts

Dear Ms Watts,

Section 96AA Application to Modify Consent – DA 1995/292 - Boral Resources (Country) Pty Limited – Teven Quarry – Lot 105 DP 1038360, 348 North Teven Road, Teven NSW 2478

I refer to Ballina Shire Council's ("Council") letter received by the Environment Protection Authority (EPA) on 2 June 2016 regarding a Section 96AA application to modify development consent (DA 1995/292) for the Boral Resources (Country) Pty Limited – Teven Quarry located at Lot 105 DP 1038360, 348 North Teven Road, Teven NSW 2478 ("the premises"). The premises is currently licensed by the EPA under Environment Protection Licence (EPL) No. 2281.

We understand that the proposed modification to DA 1995/92 involves:

- The operation of a mobile crushing plant at the premises for project work and peak demand requirements
- Modification to the hours of operation at the premises
- Setting of a termination date for the consent to 27 June 2026
- Implementation of updated noise and air quality environmental performance criteria.

EPA has reviewed the documentation supplied with the modification proposal, including the *Statement of Environmental Effects - Modification to Development Consent – Teven Quarry – April 2016* ("the SEE") prepared by EMM Consulting on behalf of Boral Resources (Country) Pty Ltd and associated Environmental Assessments. EPA's comments on the proposed modifications to DA 1995/92 are provided below.

Water

It is noted within the SEE that a number of springs are located in the lower portion of the CW1 catchment. The springs are apparently known to flow year round. A clean drainage line currently diverts waters from the springs and the CW1 catchment through the quarry floor (running east to west) towards an existing watercourse. This drainage line as it stands cannot be defined as a clean drainage line as the waters being diverted may come into contact with exposed areas of the quarry face and operational areas of the premises.

It is recommended that the clean drainage line is diverted around the exposed areas of the quarry to ensure sediment loading within the drainage line does not occur. If the drainage line cannot be diverted around the exposed areas, further controls will need to be implemented around areas

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where sediment laden water could enter the drainage line to mitigate any potential sediment distribution off-site.

It was also stated within the SEE, that Dam 3 within DW2 currently overflows approximately 3-4 times per year due to limited capacity. EPA notes that Boral is currently investigating potential solutions to the issue at present. A solution must be implemented at the site in accordance with the *Managing Urban Stormwater – Soils and Construction: Volume – 2E Mines and Quarries*. EPA requests Boral to provide a date in which Boral anticipate these works to be completed.

Within the *Teven Quarry - Surface Water Assessment – March 2016*, prepared by Royal Haskoning DHV on behalf of Boral Resources (Country) Pty Ltd, it appears that discharge water from the wedge pit within catchment area DW2 is discharged offsite after being diverted through an oil and grease separator.

Dirty water exposed to the stockpiled materials may be diverted to the wedge pit, causing sediment laden water to be discharged off-site. EPA recommends that water captured within this pit and processed through the oil and grease separator is diverted to the main dam for treatment before being discharged offsite.

Noise

EPA notes that the SEE determines a project specific noise level (PSNL) of $L_{eq, 15 \text{ min}}, 36 \text{ dB(A)}$. It appears that within Table 6.3 of the *Teven Quarry – Noise Impact Assessment – April 2016* prepared by EMM Consulting on behalf of Boral Resources (Country) Pty Ltd ("the NIA") that approximately 20 exceedances of the PSNL have occurred at sensitive receptors within the noise monitoring period. It was stated within the NIA that these exceedances would reduce to 12 if the Draft Industrial Noise Guidelines (Draft ING) Rating Background Level (RBL) values were utilised.

As the ING is currently in Draft form, the Industrial Noise Policy (INP) minimum RBL values must be applied to the development at this stage. It is noted that Boral is committed to reducing noise impact on amenity and residences within the vicinity of the quarry which has been proven by implementing the full cladding enclosure of the crushing and screening plant and the careful positioning and shielding of the proposed mobile crushing plant.

However, as depicted from table 6.3, the amount of PSNL exceedances trigger the need for further mitigation measures to be implemented at the site to prevent potential noise impacts from the proposed operations and quarrying activities at sensitive receptors. EPA recommends conducting further noise assessments on the use of the mobile plant and its impacts on amenity and residents or alternatively contacting residents identified within the NIA to flesh out the potential for negotiated individual noise criteria agreements.

Air

EPA notes Boral's commitment to reduce potential dust emissions associated with the current and proposed operational activities at the premises as explained within the *Air Quality Impact Assessment – Teven Quarry – April 2016* ("the AQIA") prepared by Ramboll Environ on behalf of Boral Resources (Country) Pty Ltd. The housed processing and screening plant is an example of a mitigation strategy that assists in mitigating dust emissions from the premises.

At this stage, the EPA has no identified concerns with the proposed mitigation measures in place at the premises as stated within the AQIA and has no further comment. However, if EPA were to receive any complaints relating to excessive dust from the premises, the EPA may need to reconsider its position on the matter.

If the proposed modifications to consent are granted, the proponent will need to complete a licence variation application to incorporate the new consent conditions into EPL 2261. Licence variation application forms are available at the following web address:
<http://www.epa.nsw.gov.au/licensing/licenceforms.htm>

If you have any questions regarding the above, please contact Dominic Duggan on (02) 6640 2500.

Yours sincerely



Robert Donohoe
Acting Head, Environmental Management Unit – North Coast
Environment Protection Authority