

# LINWOOD QUARRY



## Hallett Cove and Marino Joint Working Group

Minutes of Meeting (Microsoft Teams)

15 April 2021

Attendees: Andy Baker (Boral), Roger Ward (Boral), Susan Lewis (Boral), Fran Southern (Marino), Beryl Hall (Marino), Mark Stewart (DEM), David Daminato (EPA), Rachel Colella (EPA), Trish RobJohns (EPA)

Apologies: Peter Bond (EPA)

Agenda Item	Topic of Discussion
1	<b>Previous Meeting, matters arising and apologies</b>
	<ul style="list-style-type: none"><li>All apologies were made for those that were unable to attend the meeting.</li><li>Susan Lewis chaired the meeting in the absence of Anna Whybird.</li><li>Anna Whybird (Stakeholder Relations Manager) has resigned from Boral and Susan has temporarily taken over her duties until a replacement is found.</li><li>Question asked about what the ADF Firing related to. It was how Defence Force firing from the proof range had been thought to have been pit blasts.</li></ul>
2	<b>Quarry Operations Update</b>
	<p><b>Personnel Update</b></p> <ul style="list-style-type: none"><li>Scott Retallick left Boral in January 2021, replaced by Roger Ward</li><li>Lynton Nitschke has been promoted to site supervisor</li><li>Wayne Barker has received an internal promotion and is now the Para Hills Quarry Manager.</li></ul> <p><b>Market conditions</b></p> <ul style="list-style-type: none"><li>Sales at the quarry have increased on the previous year, with no impact from COVID-19</li><li>Supplying the Regency Road to Pym Street project with sand. Asphalt aggregates are also busy.</li></ul> <p><b>Marino Concrete Plant Upgrade</b></p> <ul style="list-style-type: none"><li>Structural Improvements</li><li>Energy Efficient.</li></ul> <p><b>Tree Planting</b></p> <ul style="list-style-type: none"><li>Perry Barr Road tree planting was undertaken in June 2019</li><li>Additional tree planting adjacent to Ocean Boulevard has also been undertaken.</li></ul> <p><i>Comments from the Working Group:</i></p> <p><i>Concrete Plant:</i></p> <ul style="list-style-type: none"><li><i>Does cement dust get emitted from plant?</i><ul style="list-style-type: none"><li>No. Cement is delivered in tankers and pumped into a silo. Silo feeds mixing plant where it is mixed with stone, sand and water to make cement. This is then loaded into Cement Agitator trucks and despatched.</li></ul></li><li><i>Does the Concrete Plant operate during the night?</i><ul style="list-style-type: none"><li>No. The source of the unknown sound at night has still not been determined. None of the Boral plant / equipment is thought to be the source.</li><li>Roger has spoken to the groundskeeper of the golf course who has indicated they have a tank and pump house adjacent the quarry entrance road that pumps water</li></ul></li></ul>

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	<p>up to their top tank. This likely operates at night time (to back up supply to their sprinklers).</p> <p><i>NBN</i></p> <ul style="list-style-type: none"> <li>○ <i>Is the quarry responsible for the NBN technicians working around the top of Jervois Terrace?</i> <ul style="list-style-type: none"> <li>● This work is being undertaken by the NBN (contractors), although it is to update the network for the quarry.</li> </ul> </li> </ul>
3	<b>Planning Update</b>
<b>Access Road Relocation</b>	
<ul style="list-style-type: none"> <li>● Work on the entrance road relocation project commenced on Friday 29 January 2021 when the Premier of South Australia, the Honourable Steven Marshall and the Minister for Environment and Water, the Honourable David Speirs officially 'turned the sod' onsite.</li> <li>● Work on the new signalised intersection at the junction of Ocean Boulevard and Majors Road commenced on Wednesday 7 April 2021. This intersection is an essential element of this project as it will enable traffic from the Linwood Quarry to be diverted away from Brighton Road.</li> </ul>	
<i>Comments from the Working Group:</i>	
<ul style="list-style-type: none"> <li>○ <i>Bunding / Shielding the road from Ocean Boulevard?</i> <ul style="list-style-type: none"> <li>● The project will include bunding along the side of the road to shield the view and diminish noise.</li> <li>● Topsoil has been stockpiled separately to enable revegetation of the disturbed areas</li> </ul> </li> <li>○ <i>How much of the new road will be asphalt?</i> <ul style="list-style-type: none"> <li>● The intersection at Majors Road will be asphalted (to minimise impact of truck turning).</li> <li>● The rest of the road down to the quarry will be a bituminous spray seal.</li> </ul> </li> <li>○ <i>Will there be adequate space for vehicles to pull over / park up?</i> <ul style="list-style-type: none"> <li>● Yes. This has been included in the design as well as allowing vehicles to turn around after the weighbridge and return to the quarry (e.g. if they are overloaded).</li> </ul> </li> </ul>	
<b>Future Eastern Development</b>	
<ul style="list-style-type: none"> <li>● Boral's application for a Mineral Claim (MC) 4439 was approved in December 2017</li> <li>● The Mining Lease Proposal (MLP) was submitted in April 2019; currently waiting for final approval from DEM</li> <li>● Next stage is approval of the MOP/PEPR for the whole site. Boral continues to work with consultants Groundwork Plus to complete the document; currently 50% completed and anticipated July 2021 submission.</li> </ul>	

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<i>No comments from the Working Group.</i>	
4	<b>Environmental Update</b>
<p><b>Dust Monitoring Results</b></p> <ul style="list-style-type: none"> <li>• Graph 1 - PM2.5 Jan-Mar 2021</li> <li>• Graph 2 – PM10 Jan-Mar 2021</li> <li>• Graph 3 – PM10 Boral TEOMs vs Christies Beach EPA data</li> </ul> <p><i>Comments from the Working Group:</i></p> <ul style="list-style-type: none"> <li>○ <i>25 January 2021 – all monitors, both PM2.5 and PM10 had exceedances.</i> <ul style="list-style-type: none"> <li>• This was due to bushfire smoke and affected the Hallett Cove EPA meters as well</li> <li>• Comparison to Christies Beach EPA data shows Station A and Station E follow the same trends as Christies, i.e. they are not significantly affected by the sites dust. Station D has significant outliers</li> <li>• The site needs to focus on Dust Control Measures that directly affect Station D and those activities at the northern end of the site.</li> </ul> </li> </ul> <p><b>Dust Improvement Initiatives</b></p> <ul style="list-style-type: none"> <li>• Reinstate water suppressions: product discharge bins, sprinklers</li> <li>• Trial Vital Bon-Matt commenced 9 March 2021 – focus on the weighbridge area</li> <li>• Further trials proposed</li> <li>• Atomisers for Primary crusher tip chute approved</li> <li>• Further opportunities are being explored</li> <li>• EPA – Marino Dust study.</li> </ul> <p><b>Boral Update:</b></p> <ul style="list-style-type: none"> <li>• The dust suppression trial (polymer based liquid) on the road leading into the pit from the weighbridge had limited success and potentially contributed to the drag out issue on Clubhouse Road.</li> <li>• In the next couple of weeks another trial will be undertaken: <ul style="list-style-type: none"> <li>– Different suppressant (Erizon)</li> <li>– Focus on those open areas in the Marino end of the pit that are vacant and rarely used. They tend to dry out and are wind affected which directly impacts Station D.</li> <li>– Suppressant will hold the material together better and not be worn away by frequent traffic</li> </ul> </li> <li>• Atomisers to be installed on the Primary tipping pit <ul style="list-style-type: none"> <li>– Primary tipping pit quite high (dust blows out of the pit), has water sprays but atomisers would be more effective</li> <li>– Should be undertaken in next 4 -6 weeks.</li> </ul> </li> </ul>	

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<p><b>Marino Dust Study</b></p> <ul style="list-style-type: none"> <li>• Marino Dust Study by EPA has commenced seeking expressions of interest</li> <li>• Has already received a lot of interest, 8 volunteers already and reaching out to other potential interested parties</li> <li>• Will be a great opportunity to inform the greater community on dust types and the associated risks (PM2.5 vs PM10; Insidious Dust vs Nuisance Dust)</li> <li>• Boral keen to be involved</li> <li>• Andy Baker to be invited to community working group meeting.</li> </ul> <p><b>Blast Monitoring Results</b></p> <ul style="list-style-type: none"> <li>• Graph 1 – Maximum Vibration Recorded Q1 2021</li> <li>• Graph 2 – Maximum Recorded Air-Blast Q1 2021</li> </ul> <p>Boral Update:</p> <ul style="list-style-type: none"> <li>• There were no exceedances for either measure during the period</li> <li>• As the pit heads east and blast pressures change consideration will should be given to the installation of a monitoring station in Marino.</li> </ul>			
<p><b>OTHER BUSINESS</b></p> <ul style="list-style-type: none"> <li>• <i>Can the new Boral contact list be distributed to all Joint Working Group members?</i></li> <li>• <i>Can Rachel Colella receive a copy of the JWG PowerPoint presentation?</i></li> </ul>			
<p><b>ACTIONS</b></p>			
	<b>ACTION</b>	<b>RESPONSIBILITY</b>	<b>DUE DATE</b>
	Continue to investigate to identify the source of the night time sound	Roger Ward	16/5/21
	Distribute an updated Boral Contact List to all JWG members	Susan Lewis	16/5/21
	Email the JWG PowerPoint presentation to Rachel Colella	Susan Lewis	16/5/21
	Send an invitation to the next Community Working Group of the Marino Dust Study to Andy Baker	Rachel Colella	30/4/21
	Undertake the Erizon Dust Trial	Roger Ward	30/4/21
	Install the Primary Tipping Pit Atomisers	Andy Baker	18/6/21
<p><b>NEXT MEETING</b></p> <ul style="list-style-type: none"> <li>• To be advised.</li> </ul>			

