

**LINWOOD QUARRY –
HALLETT COVE & MARINO JOINT WORKING GROUP
MEETING MINUTES 20TH MAY 2009**

Present: Forty-eight people registered their attendance **at the meeting.**

Apologies: Mr and Mrs Craven and Mr McKenzie

Agenda Item	Topic of Discussion	Actions
1	Welcome and Introductions	
	<ul style="list-style-type: none"> • Tony Ward (TW) welcomed all to the first joint Hallett Cove & Marino Working Group meeting and introduced Boral representatives present. 	
2	Review of last meeting – 22 October 2008	
	<ul style="list-style-type: none"> • TW went through the minutes of the last meeting and acknowledged that the meeting venue had been brought back to the Baptist Church community centre in response to concerns raised at the last meeting. 	
	<ul style="list-style-type: none"> • TW advised that Blasting and Information and Communication items raised at the last meeting would be discussed as items on this meeting agenda. 	
	<ul style="list-style-type: none"> • TW confirmed that the minutes of the last meeting were for the Hallett Cove Working Group only and did not include the Marino Working Group. 	
3	Blasting – Results Summary and Explanation	
	<ul style="list-style-type: none"> • TW gave a power point presentation on the blasting monitoring results taken over the last 6 months and opened the floor to comments and questions. <u>A summary of the questions and key comments are noted below:</u> • Clarification was sought on the reason for any extra loud blasts • TW confirmed that Boral do their own monitoring and use their own equipment. • A query regarding whether government agencies do any monitoring was raised. PIRSA advised that they do occasional monitoring and EPA has done noise monitoring on a resident's request. The EPA has undertaken numerous noise monitoring programs related to general site noise, not related specifically to blasting. • The EPA advised that under Schedule 1 (8) of the Environment Protection (Noise) Policy 2007, noise relating to blasting is exempt from the policy. • TW advised that Boral will arrange blasting noise monitoring on request. • Two residents advised that they wanted noise monitoring on their properties. • A query regarding time limits of blasting was raised. TW advised that 	Residents to liaise with Rodney from Boral re: monitoring

<p>while there were no limits, Boral currently restrict blasting times to between 11am and 3pm.</p> <ul style="list-style-type: none"> • One resident believed that at 3pm on the 4th May the blasting exceeded acceptable levels and had lodged a complaint. Rodney acknowledged that a complaint had been received at 3.01pm on the 4th May and the air blasting noise reading was noted as being 108.6, which is below the exceedance level. • A concern was expressed that the number of firings had not been reduced as promised in mid 2008, to between 1 and 2 blastings weekly. • A request was made to reduce the number of blastings to 20 a year; however TW advised that this reduction would not be feasible. • Concerns were raised that the deeper excavation the greater the vibration levels. One resident believed that recent vibrations have been 'massive' and had caused some opening and closing of cracks in their property at Marino. • A Perry Barr Road resident raised concerns that noise monitoring was no longer occurring at his property. TW explained that Boral had undertaken monitoring at the property for nine months and that the equipment was needed to undertake monitoring in other areas. • A number of concerns were raised about the extent of the quarry going further south. Residents wanted an assurance that the quarry could not go further south than its current location. • TW advised that Boral could theoretically go a further 50 metres south to Perry Barr Road, however with the current technology; there are no plans to do so. • Some residents raised the Marion South Plan and wanted to know why Council did not proceed with this plan. John Valentine from City of Marion advised that in 2003 the southern extension of the quarry was part of a bigger picture for the area and reliant on re-zoning of land. This wasn't supported so did not proceed. • Several people supported the view residents would be up in arms if further extension of the quarry south was allowed. • A query regarding any proposal by Boral I to extend the quarry further east and whether Council had seen any plans was raised. TW advised that while Boral was reviewing options of extending quarry operations further east into the future, it was too early to go to Council with any plans. • Further concerns regarding loss of the buffer zone if new housing was allowed to occur further east were raised. Being the Hills Face zone, it was noted that this land can't be developed for residential purposes under the current zoning regulations. • A request was made for Boral to put in writing that they would not further impinge on the 300 metre buffer zone with the quarry operations. TW stated he did not have the authority to do this, but would take resident concerns and this request to the Board. • A Marino resident asked about the timeframe for the extraction licence and whether the process had been started. TW advised that that the process would take between 3 – 5 years and had not started. The land was not owned by Boral and an extensive consultation process would need to be undertaken. • A query was raised, as to why Boral quoted that they met Australian Standards since the Mine Operating Plan was adopted in October 2008, since they didn't have to comply with this. TW commented that 	<p>TW to take resident concerns / request re: buffer zone to the Board.</p>
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	while Boral didn't have to comply they still strived to meet these standards, which was seen as a positive initiative.	
4	Dust – Results Summary and Explanation	
	<ul style="list-style-type: none"> • The type of dust monitor used by Boral was queried. EPA advised that the dust track monitors used by Boral were acceptable, but Boral shouldn't compare the results against PM10 levels. • In response to a query, EPA advised that the closest dust measurements they have taken have been Christies Beach and Netley. • Some residents raised concerns that EPA isn't monitoring dust generated by the quarry and expressed a desire for this to occur. • A number of dust concerns were raised from residents living close to Perry Barr Road and on Beeches Road. Concern that there is still dust generation from the quarry despite damper conditions was also raised. Increased truck movements on Beeches Road was noted and there were perceptions that more dust was being generated from the southern end recently and also from the concrete crusher. • A discussion around the amount of dust generated from the 'overburden' area occurred. TW advised that to his knowledge there was no SA standard in dust monitoring. • A request was made for a communication mechanisms to be put into place to report back regularly to residents on dust level measurements. <p><i>(See post meeting notes from EPA attached)</i></p>	<p>TW to take EPA advice</p> <p>Issue to be taken back to the EPA</p> <p>TW noted resident concerns regarding dust generation and a desire for regular communication of dust levels</p>
5	Linwood Recycling Storm Water Project Update	
	<ul style="list-style-type: none"> • TW advised that construction works were due to start in July. • A query was raised regarding what would happen if Boral hit the water table and how far is the bore above the water table. DWLBC advised that a licence and permit had been given to Boral for the Bore. TW advised that the bore was operated in accordance with the permit / licence. 	
6	Quarry Rehabilitation Update and Plan	
	<ul style="list-style-type: none"> • A few residents raised concerns that the over burden mound was an eyesore and wanted Boral to clarify how the area would be rehabilitated. TW explained that the area would be hydro-mulched and planted out. • A query regarding where the rest of the dirt would go was raised and TW explained that it would go behind the mound. • A concern was raised about the potential for hydro-mulch to die off and a preference for natural vegetation i.e. rye or corn to be used. • A request for the Marino mound to be tidied up was made. • A list of tree / vegetation types for planting out the mounds was required by Bronte who was concerned about the die back to Perry Barr vegetation. 	<p>TW noted residents desire to see mound revegetated asap and Marino mound to be tidied up</p> <p>TW to provide plant list to Bronte</p> <p>TW to consider</p>

	<ul style="list-style-type: none"> • Generation of dust from the overburden area at Marino was raised by a resident and a desire to remove the overburden area was noted. • Future use of quarry as a lake was raised and it was suggested that this may be a possibility in the long term i.e. 20 years+. 	<p>options for overburden mound rehabilitation</p>
<p>7</p>	<p>Future Preferred Communication Methods</p>	
	<ul style="list-style-type: none"> • TW explained that Boral is keen to improve communication with residents living close to the quarry. Kath Moore, from Kath Moore and Associates has been invited by Boral to the meeting to listen to resident feedback on preferred communication methods and assist Boral to implement a communication plan for the future. TW asked for input on preferred communication methods. <u>A summary of comments included:</u> • Open Day / BBQ at the quarry. • Meeting invitations circulated in advance to all residents around the quarry. • More information on Boral website i.e. minutes of meetings, questions and answers, notifications of blasting, direct enquiry / contact for issues between meetings, quarry map / plans and user friendly source for regular information – seen as a key communication point. • Email contact for enquiries – linked to website. • Link for Boral quarry on Council website. • Letterbox residents with fact sheet / project information. • Use of local Messenger for work notifications and meeting advices. • Minutes of meetings circulated to all residents surrounding the quarry. • More advance notice given to local residents of blastings desired, if possible. • Regular meetings i.e. 4 per year, two of which are open to the general public and two of which are working group meetings. Alternate public and working group meetings and preferred venue is Baptist Church community centre. 	<p>TW to take on feedback</p>
<p>8</p>	<p>General Questions</p>	
	<ul style="list-style-type: none"> • The relocation of the quarry entrance in Oceania Boulevard was raised along with dust monitoring near the entrance and truck movements. • Opening hours of the quarry were queried in relation to noise from truck movements travelling to the quarry and impacts on local residents on / near Oceania Boulevard. TW advised that the quarry was open at 6am. • A resident queried why Boral does not place executives in housing in Hallett Cove and Marino near the quarry. TW advised that Boral does not have any executive housing. • A query regarding the number of employees at Linwood quarry was raised. TW advised 20 people were employed at the quarry. • A resident expressed their opinion that the EPA and City of Marion 	<p>TW noted truck movement noise concerns</p> <p>TW advised he</p>

<p>should scrutinize Boral's quarry operations more.</p> <ul style="list-style-type: none">• A call for re-zoning the area in an effort to stop future quarry operations / expansion was made by a resident.• Resident concern regarding lack of information about the quarry's future mandate i.e. how far it will extend, impact on the buffer zone and how long it will continue to operate into the future, was re-raised as a significant issue.	<p>would take this concern back to the Board and report back at the next meeting</p>
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EPA PROVIDED POST- MEETING NOTES

- The use of the NEPM (National Environment Protection Measure) ambient standard for PM10 to a point source emission is not appropriate. There are numerous sources of PM10 such as sea spray, vehicle traffic, land development and industry. PM10 are small particles typically not visible to the human eye. EPA monitoring shows that when there are high levels of PM10, this is typically due to conditions that affect a large part of Adelaide airshed, for example the recent Victorian bushfires. Therefore applying the NEPM ambient standard to a point source emission is not appropriate.
- The EPA considers it appropriate to use Dustrak monitors to determine particulate levels at licensed sites, in spite of accuracy limitations. A Dustrak monitor enables real time measurement of particulate levels and is useful to identify trends in particulate levels that can be linked to activities on site. This process aims to permit continuous improvement. Therefore when a specified threshold is triggered, staff on site can be notified (e.g. mobile SMS) and the source of elevated dust can be identified and appropriately managed.
- The EPA undertakes continuous air quality monitoring at five permanent sites throughout the Adelaide Metropolitan Airshed (Christies Downs, Netley, Kensington, LeFevre and Elizabeth). The EPA has two mobile units which can be used to monitor air quality at specific sites throughout state. These units are currently committed to monitoring other sites over the next year. If results from Boral's monitoring indicate excessive PM10 from the site, the EPA may investigate and determine if additional monitoring on site is required.
- There is 'no SA standard for dust monitoring'; this refers to TSP dust (Total Suspended Particulates) emission standards. TSP is larger particle dust which is visually evident in the air and on the ground. Although the EPA does not have a specific TSP limit, industry must take all reasonable and practical measures to reduce emissions of nuisance dust as specified under the *Environment Protection Act 1993*. Boral have committed to an internal standard of 4g/m²/month which is based on NSW environment standards.

LINWOOD – HALLETT COVE & MARINO JOINT WORKING GROUP MEETING
WEDNESDAY 20 MAY 2009 ATTENDANCE RECORD

<u>NAME</u>
Tracey Price
Dean West
Neil Abbott
John Valentine
Marianke Thompson
John & Regina Chua
M. Kourtesis
David Ridgway
Brian & Gwen Rapley
Sian Evans
E Benesh
Peter Schwerzer
J Wywood
S Davidson
Beryl Hall
Kay Daw
Ian Smart
Steve Clark
Frank & Ann Best
Amanda Rishworth MP (Federal Member for Kingston)
Chloe Fox MP (Member for Bright)
Jane & Craig Morris
Sheila & Keith Atkinson
Serge Caplygin
Larry Sutton
Glenys & Alan Brokenshire
Frank Southern
Cr Frank Verrall (City of Marion)
Tony Ward (State Mgr Quarries)
Shane Dermody
B Newton
L Johns
Ken Turnbull
Phil & Dale Bartholomew
Dianne Duncan
Pam & Barry Dyer
Fran & Steve Schmidt
Lee Bishop
Kath Moore, Kath Moore & Associates