

# Hallett Cove Linwood Community Working Group

Minutes of meeting held on Tuesday the 20<sup>th</sup> May 2008  
at 5.30pm at the Hallett Cove Baptist Church

**Attendance:** Edward Benesh (Resident)  
Ken Turnbull (Resident)  
Bronte Newton (Resident)  
Scott Smith (Resident)  
Imogen Edmunds (EPA)  
Olando Puccini (PIRSA)  
Adam Betterman (Boral)  
Rodney Kazem (Boral)  
Tony Ward (Boral)  
Paul Whiffen (Boral)

**Apologies:** Peter Craven (Resident), Trish Craven (Resident) Tony McKechnie (Resident)  
Tracy Highwood (Resident) Barry Dellow (Resident) Penny Dellow  
(Resident) Serge Caplygin (PIRSA)

## 1. Welcome, introduction and overview

Notes of the previous meeting held in October had been previously circulated.

## 2. Blasting

Rod thanked everyone for their attendance and briefed every one of the agenda.

Rod started by referring to the Linwood aerial photograph pointing out blast monitor locations in Hallett Cove and explained the vibration and Air blast Noise results for the last 6 months.

Ed Benesh highlighted that the limit is now 5mm/s, not 10mm/s and that Boral cannot exceed the limit of 5mm/s. Orlando explained the standard AS 2187.2 and said that the limit of 5mm/s is allowed to be exceeded for 5% of the total number of blasts per year.

Rod explained difficulties of achieving vibration and air blast limits on the upper Quarry bench RL 165 and that Boral are trying to develop the top bench as quick as possible to focus on mining the lower quarry benches, which have less impact to residents.

Ken Turnbull asked why the first blasts are severe in contrast to others. Eg. Last week's blast. Rod explained the first blasts are usually the higher benches closest to Perry Barr rd.

Olando mentioned Boral is meeting with PIRSA next week to discuss Linwood Development Plan and limits to be agreed. Ed Benesh expressed his concern that Boral is being allowed to do what it likes regardless of Aust. Standard and would like representation by PIRSA before Linwood development plan is signed off.

Rod outlined Boral's ongoing improvement process the last 6 months citing the following:

- 2 X blasting trials conducted by Orica Blasting Consultants aimed at reducing the number of blasts/year (Larger Shot) and reducing the ground vibration.
- 1-2 blasting days/month instead of 1 blast every week.
- Smaller Blasts on top 2 benches originally 70-80 holes reduced to 40-50 holes

Rod said the 2<sup>nd</sup> trial blast conducted by Orica was a large shot approximately 60,000 tonnes, the results were very positive in achieving reduction in blast vibration and noise however feedback (Ken T) said if felt bad for a long time, Rod replied that due to the size of the shot, the duration of the shot was a little longer than normal and therefore the perception is that the blast is worse than normal even though the blasting results were well below statutory limits.

Moving forward, Rod said Boral would prefer to stick to the smaller 30,000t instead 60,000t shots, as feedback has indicated that the larger shots tend to cause discomfort due to the longer duration of the shot.

Rod also mentioned that Boral will continue to use Orica's expertise to further reduce vibration and air blast impact where possible.

Rod outlined the ongoing improvement trials for the next 6-months at the Linwood Quarry and stated the following.

- Trial electronic detonators in the aim of improving blast hole firings and initiation sequence, which has the ability of reducing ground vibration.
- Keep to the smaller size blasts on the southern top benches.
- Try to keep the number of blasting days/ month at a minimum

Adam Said Electronic Detonators can improve ground vibration due to the promotion of single hole firing. Ed said this was what I-kon System should do? Adam responded saying that the electric detonators (Unitronics) are Orica's own in house developed product, where Ikon was not.

Adam Betterman said he'd like to keep vibrations below 4mm/s, ideally between 2 & 4mm/s.

