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Boral Teven Quarry

Community Consultative Committee meeting

2 November 2016

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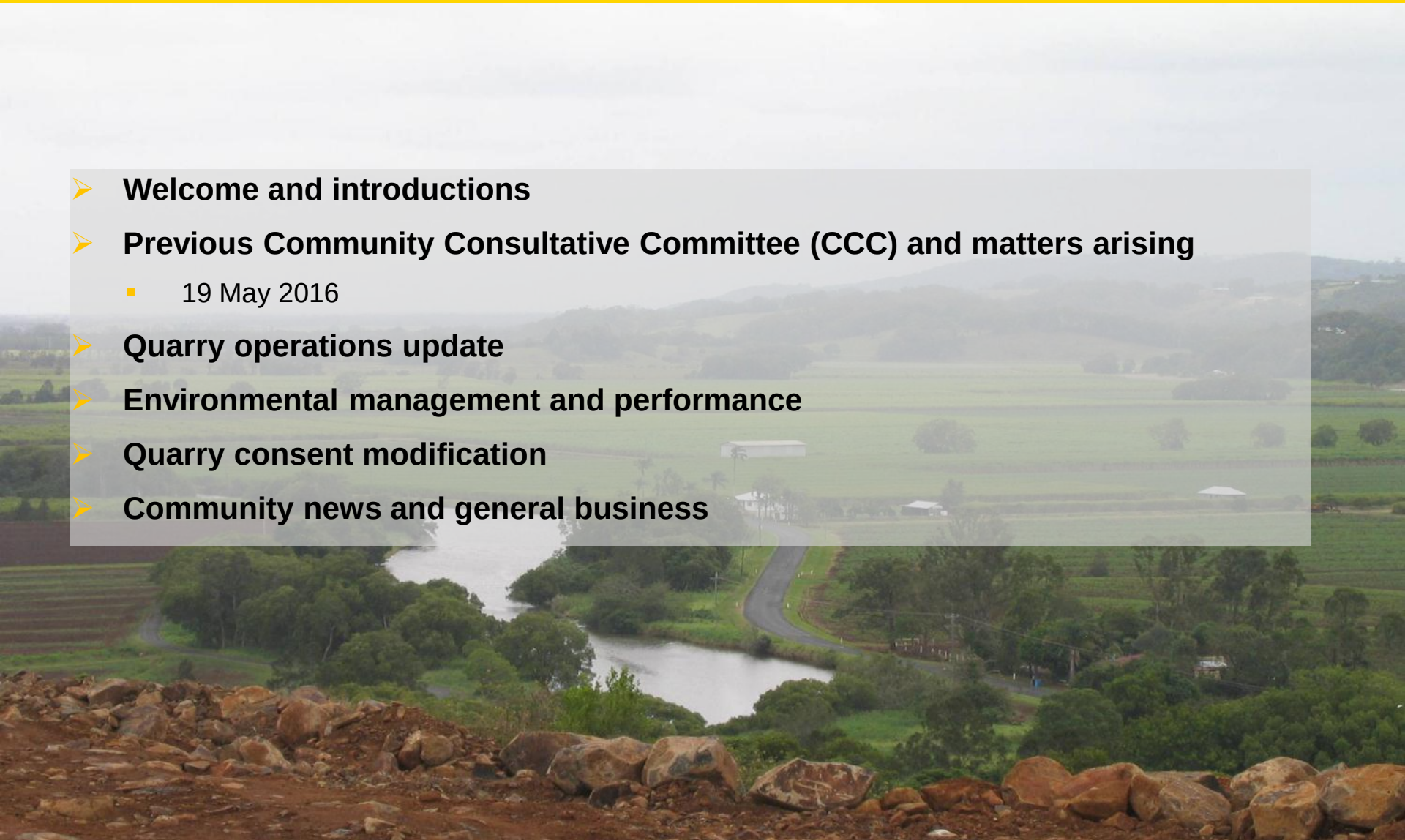
Agenda

Boral Teven Quarry Community Consultative Committee Meeting 2 November 2016

- **Welcome and introductions**
- **Previous Community Consultative Committee (CCC) and matters arising**
  - 19 May 2016
- **Quarry operations update**
- **Environmental management and performance**
- **Quarry consent modification**
- **Community news and general business**



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Boral personnel in attendance

Boral Teven Quarry Community Consultative Committee Meeting 2 November 2016

- **Scott Gillieatt**
  Quarry Manager, Boral Teven Quarry
- **Luis Quinteros**
  Quarry Supervisor, Boral Teven Quarry
- **Rod Wallace**
  Planning & Development Manager (NSW), Boral Property Group
- **Nathan Jeffery**
  HSE Advisor (Northern NSW), Boral HSE
- **Paul Jackson**
  Stakeholder Relations Manager (Southern Region), Boral Property Group

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Previous CCC meeting & matters arising

Boral Teven Quarry Community Consultative Committee Meeting 2 November 2016

- **Previous meeting of the Community Consultative Committee (CCC)**
  - 19 May 2016
  - **NOTE:** Presentations and meeting notes from previous meetings are available from the quarry's website – **www.boral.com.au/tevenquarry**
- **Any matters arising?**
- **Apologies for this meeting**

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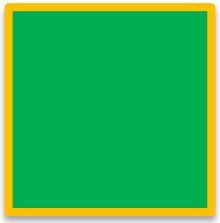
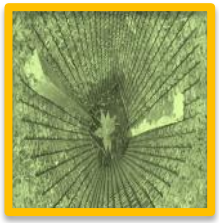
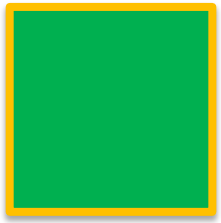
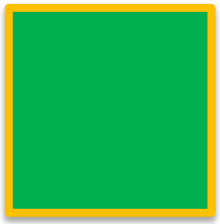
Boral Teven Quarry

Quarry operations update

***Scott Gillieatt**, Quarry Manager – Boral Teven Quarry*
***Nathan Jeffery**, HSE Advisor (Northern NSW) - Boral HSE*





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Quarry operations update: Site Improvements

Boral Teven Quarry Community Consultative Committee Meeting 2 November 2016

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Quarry operations update: Site Improvements

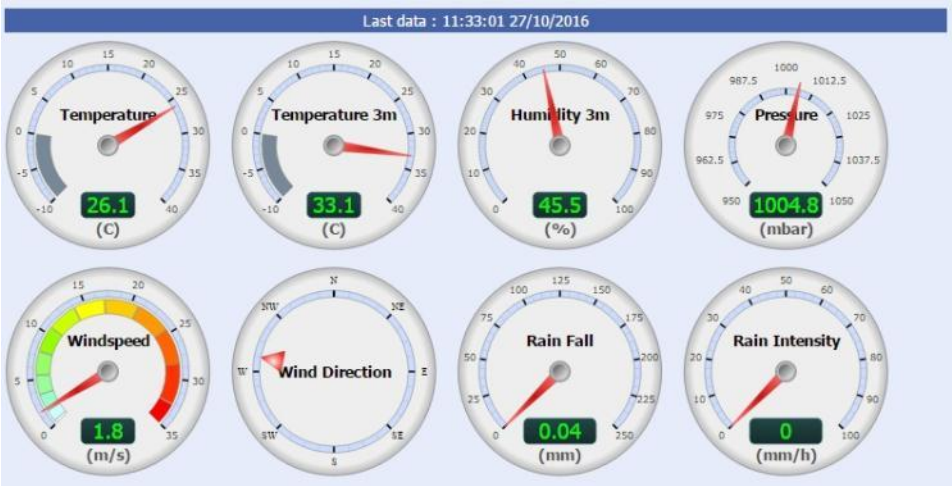
Boral Teven Quarry Community Consultative Committee Meeting 2 November 2016

- **Noise bund**
  - 2100t of material has been put in place to create a 4.8 m high noise bund
  - Noise modelling has predicted a 3-4 dB noise reduction for residents to the south-east
  - Trees are scheduled to be planted next month along with hydro-mulch grassing

Quarry operations update: Site Improvements

Boral Teven Quarry Community Consultative Committee Meeting 2 November 2016

- **New weather station operational**
  - Provides instantaneous weather data via internet for Boral (restricted access)
  - Records past weather observations
  - Data will be used to help interpret air quality monitoring results (Deposited Dust and PM10)
  - The weather station is solar powered



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Quarry operations update: Site Improvements

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Boral Teven Quarry

Environmental management and performance

Nathan Jeffery, *HSE Advisor (Northern NSW) – Boral HSE*

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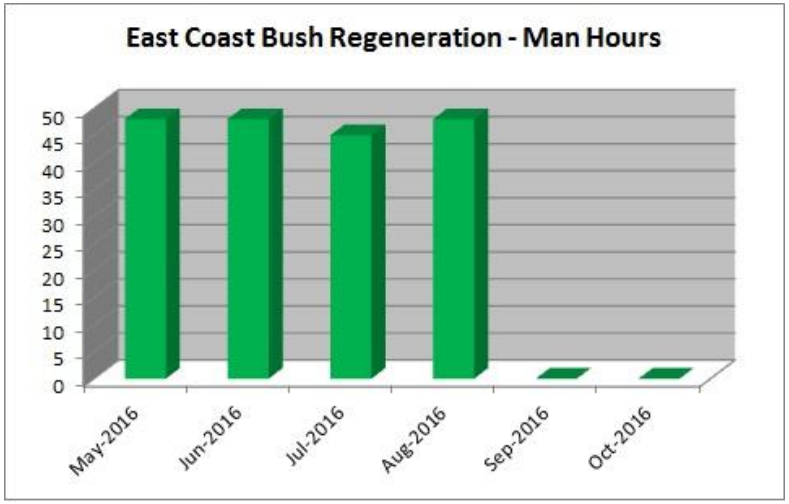
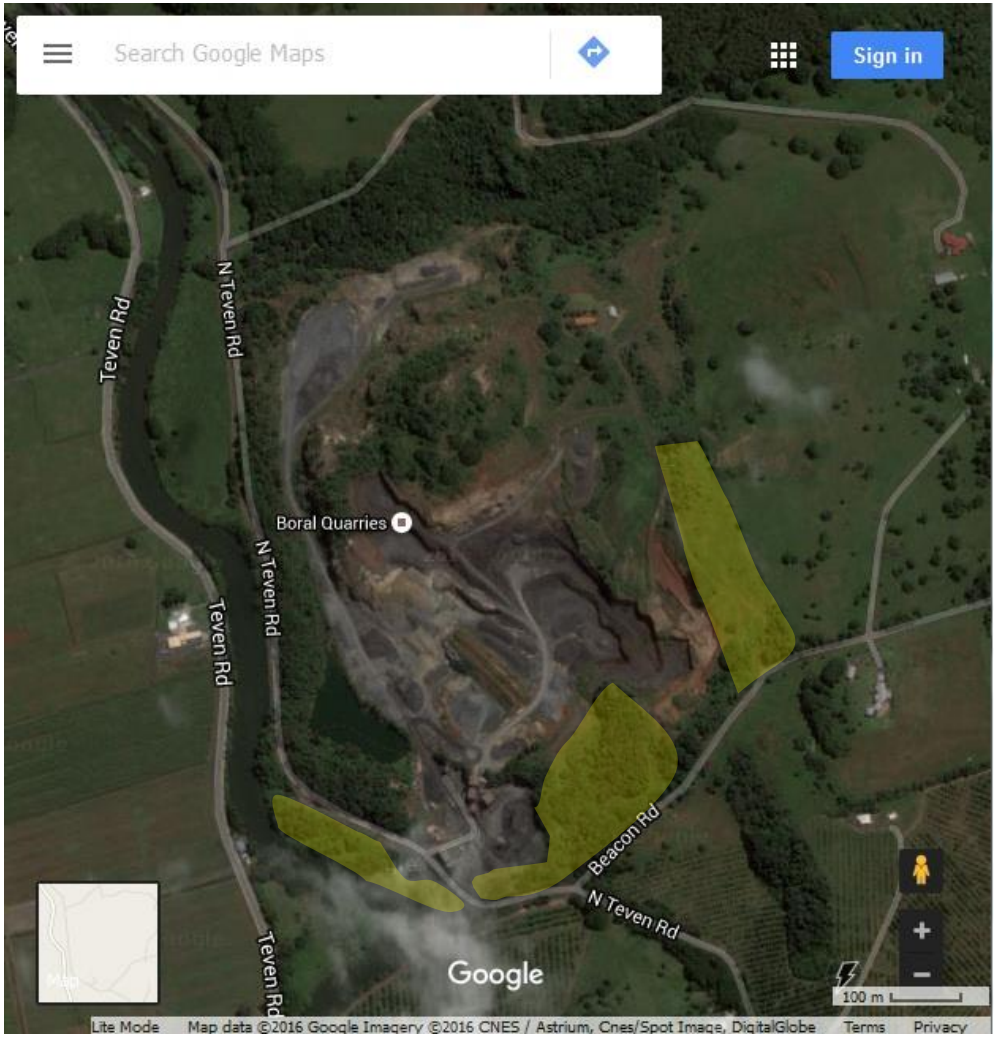
Site environmental management

Boral Teven Quarry Community Consultative Committee Meeting 2 November 2016





Areas worked

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Site environmental management

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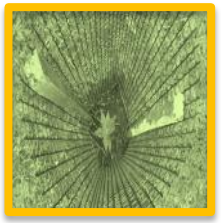
Environmental monitoring

Nathan Jeffery, *HSE Advisor (Northern NSW) – Boral HSE*



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Monitoring – Dust Deposition

Boral Teven Quarry Community Consultative Committee Meeting 2 November 2016

	Averaging Period	g/m²/month[a]
Deposited Dust[b]	Annual	4.00

a – Maximum total deposited dust level

b – Dust is assessed as insoluble solids as defined by AS3580.10.1-1991 (AM-19) (*At the nearest existing or likely future off-site sensitive receptor*)

Source: Table 7.1 (Page 28) of the Approved Methods for the Modelling and Assessment of Air Pollutants in NSW – DEC 2005

Average Dust Deposition (Insoluble Solids) – September 2015 to August 2016 (Inclusive)

	Insoluble Solids	Ash
Site 1	0.63 g/m²/mth	0.26 g/m²/mth
Site 2	1.75 g/m²/mth	0.80 g/m²/mth
Site 3	2.16 g/m²/mth	1.69 g/m²/mth
Site 4	1.48 g/m²/mth	0.49 g/m²/mth

Insoluble solids – Includes organic matter (leaves, grass, insects, pollen etc.) and dust.

Ash – What is left after the organic matter is burnt off.

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Monitoring – Dust Deposition

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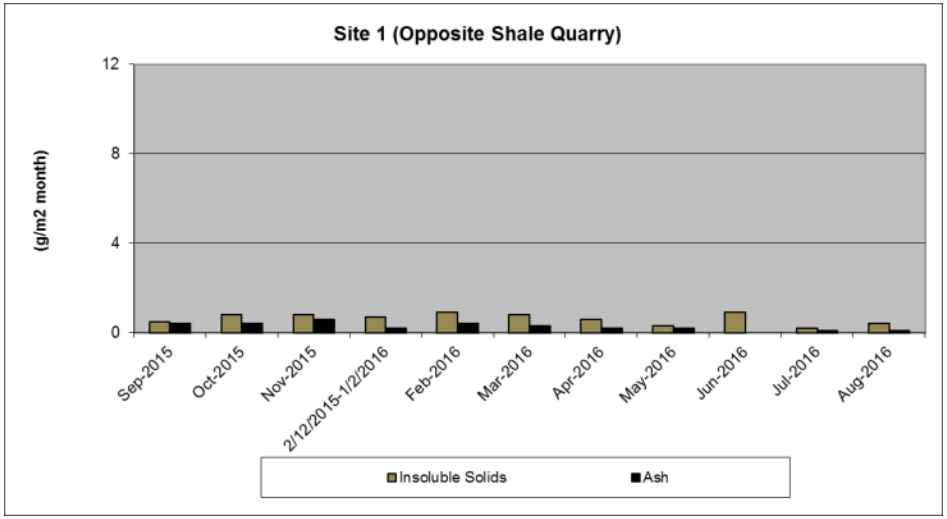

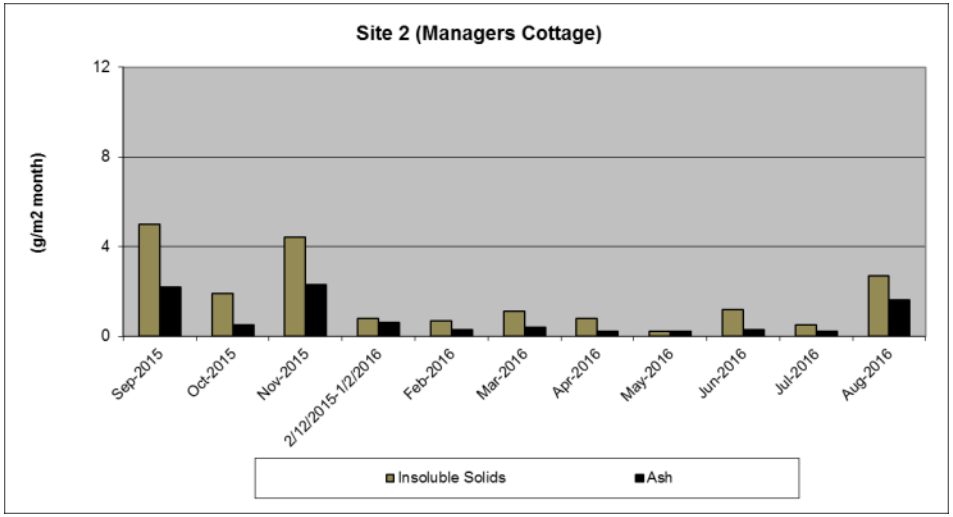

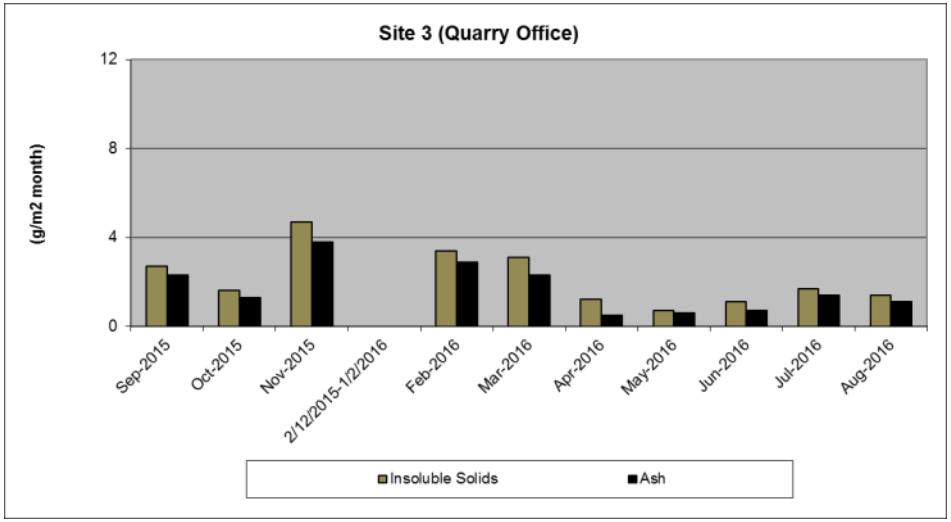

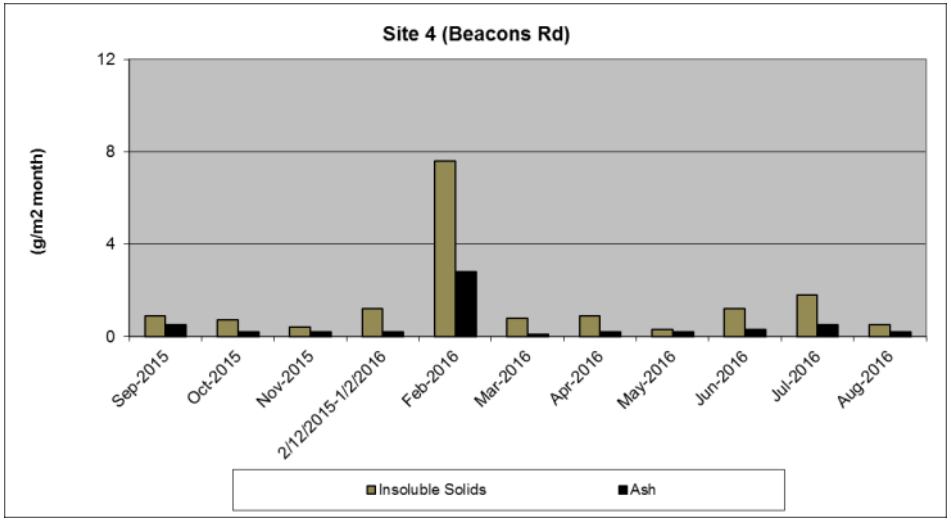

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Monitoring – Water

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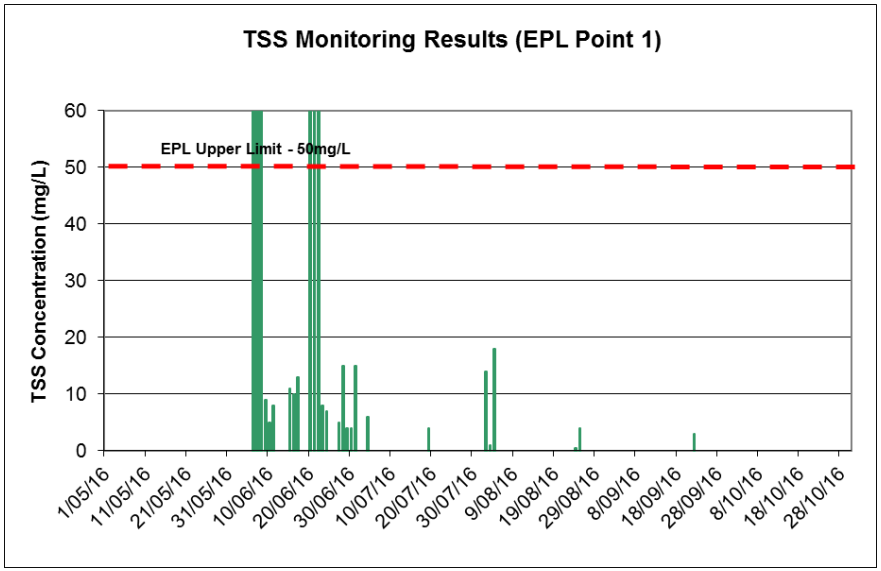

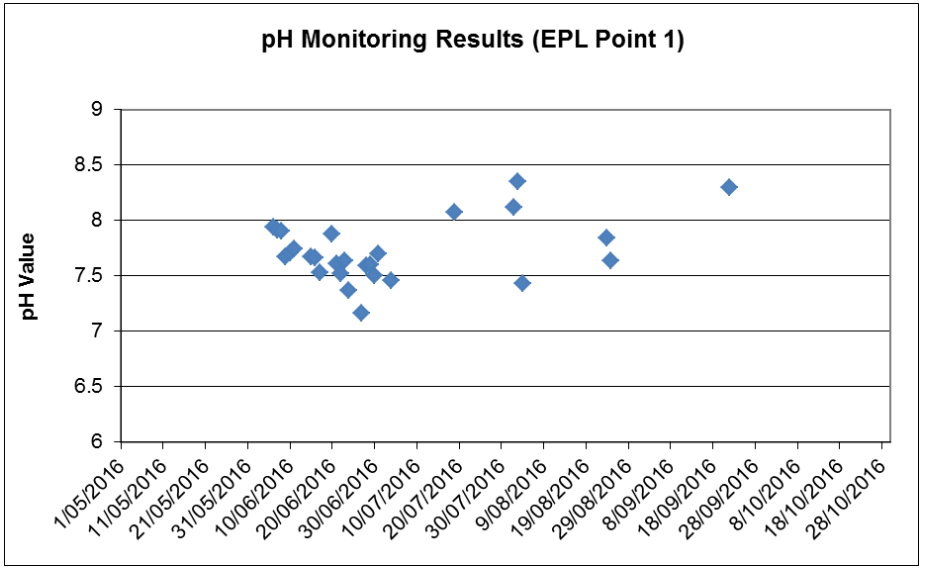

POINT 1

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
pH	pH				6.5 - 8.5
Total suspended solids	milligrams per litre				50

Water quality limits for Boral Teven Quarry from EPA Licence No 2261

Note: Condition L 2.5 of EPL 2261 which states:

The concentration limits in the above table do not apply to any discharge from the final sediment basin arising from rainfall exceeding 63.2mm in total falling over any consecutive five day period

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Monitoring – Water

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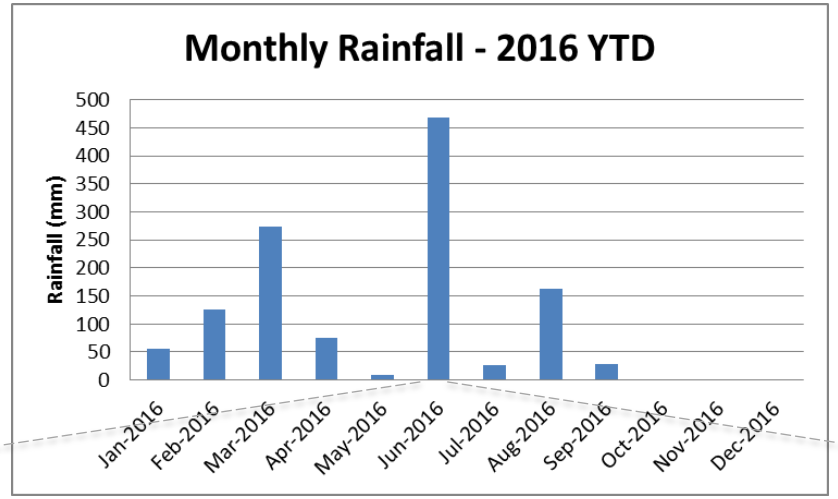

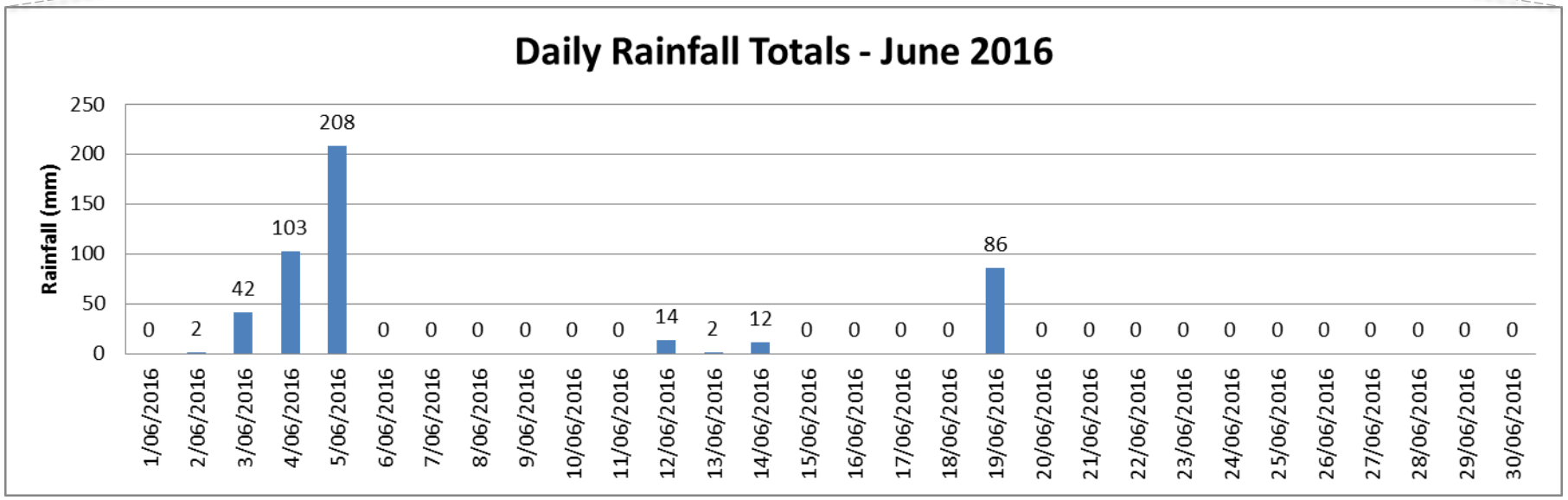

Monitoring – Blasting

Boral Teven Quarry Community Consultative Committee Meeting 2 November 2016

Date	Time	Over pressure (dB)	Peak Vibration (mm/s)
Tuesday, 3 May 2016	15:03:00	107.5	2.54
Wednesday, 29 June 2016	12:20:00	102.8	0.73
Friday, 9 September 2016	12:03:00	108.8	2.413

Boral Teven Quarry Blast Limits;

- One blast allowed per day
- Blasting approved between 9am to 4pm Monday to Friday
- Ground vibration limits
  - 95% of blasts < 5mm/s
  - All blasts < 10mm/s
- Overpressure limits
  - 95% of blasts <115dB
  - All blasts < 120dB

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Feedback Summary

Boral Teven Quarry Community Consultative Committee Meeting 2 November 2016

- There have been no issues or complaints reported to the Boral Teven Quarry since the last CCC meeting in May 2016

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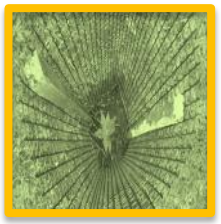
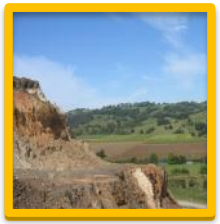
Boral Teven Quarry

Quarry consent modification

Rod Wallace, *Planning & Development Manager (NSW/ACT) – Boral Property Group*





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Consent modification update

Boral Teven Quarry Community Consultative Committee Meeting 2 November 2016

- **Exhibition period between 25 May 2016 and 24 June 2016**
  - Submission from Ballina Council and the EPA
  - 1 public submission of support
  - 2 public submissions with comments
- **Boral lodged a response to submissions with Council on 19 October**
  - Update of Water Management Plan
  - Noise monitoring within 6 months to assess compliance with new noise goals
  - Reasonable and feasible noise mitigation if exceedances of noise goals confirmed
- **The modification will be determined at the Council meeting on 24 November.**

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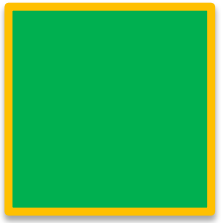
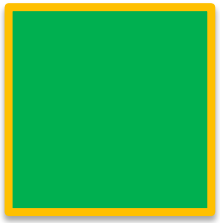
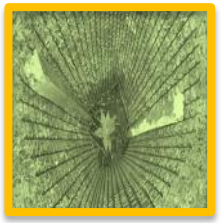
Boral Teven Quarry

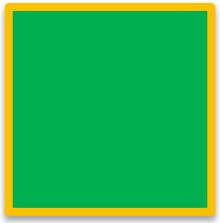
Community activities and general business

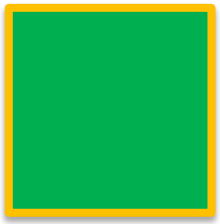
Paul Jackson, *Stakeholder Relations Manager (Southern Region) – Boral Property Group*











Community activities

Boral Teven Quarry Community Consultative Committee Meeting 2 November 2016

- **The annual TinCAN Art Show was held during September and was proudly once again sponsored by Boral.**
  - Event also supported by Ballina Art Club, Tintenbar Red Cross and local Rotary
  - Approximately $4200 raised for local initiatives supported by TinCAN
  - Show attracted good level of entries and was well attended.
- **Our relationship with TinCAN will also see us continue to provide financial assistance to the group's 'bus trips'**
  - Possible Christmas luncheon in December
- **We also provided support for the Lions Club's annual *World Festival of Magic* Christmas event held in Ballina today.**
  - Second year of Boral involvement for this event, with our support directed toward disadvantaged children and those with special needs living in Teven and Tintenbar.

Community activities

Boral Teven Quarry Community Consultative Committee Meeting 2 November 2016

- **The quarry, along with our Alstonville Asphalt plant, contributed to the completion of Ballina's new Marine Rescue tower and adjoining car park.**
  - Quarry supplied fill and bases to the project, while Asphalt undertook the surfacing of the car park.

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General business

Boral Teven Quarry Community Consultative Committee Meeting 2 November 2016

- **Items of general business**
- **Next meeting of the Community Consultative Committee**
  - Next whole-of-community meeting due Mar 2017 – usually combines with CCC
- **Boral Teven Quarry contacts**
  - **Scott Gillieatt** – Quarry Manager
    6687 8360 or **scott.gillieatt@boral.com.au**
  - **Nathan Jeffery** – HSE Advisor (Nthn NSW)
    6658 4070 or **nathan.jeffery@boral.com.au**
  - **Paul Jackson** – Stakeholder Relations Manager
    9033 5215 or **paul.jackson2@boral.com.au**
  - **www.boral.com.au/tevenquarry**
  - **www.boral.com.au/feedback**

THANK YOU FOR YOUR ATTENDANCE