Boral Deer Park Operations
Deer Park Quarry Environmental Review Committee
7 July 2016
Welcome, introductions and apologies (5.00pm - 10 mins)

Previous minutes and actions (10 mins)

Deer Park Quarry Plant Replacement Project (5 mins)

Environment - Dust presentation and discussion (20 mins)

Business reports (30 mins)
  * Concrete
  * Asphalt
  * Quarry

General Business (10 mins)
  * Review of Environment Review Committees (Meta Finimore, Department of Economic Development, Jobs, Transport and Resources)

Close (approx. 6.30pm)
Paul Hodges  
Quarry Manager- Deer Park

Michael Suddes (Apology)  
Operations Manager- Concrete West

David Karstens  
Plant Manager- Asphalt

Luke Brown  
Deer Park Replacement Quarry Project Sponsor

Patrick Boyce (Apology)  
HSE Advisor - Quarries

Julia Preston  
Stakeholder Relations Advisor (Southern Region), Boral Property Group

Vikki Barker  
Property Administration Assistant, Boral Property Group
# Previous meeting minutes and actions

**Julia Preston**, Stakeholder Relations Advisor (Southern Region)

<table>
<thead>
<tr>
<th>No.</th>
<th>Action</th>
<th>Responsibility</th>
<th>Due date</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Communication to Owner/Operator Contractors regarding safe driving practices</td>
<td>PH/JP</td>
<td>This meeting</td>
</tr>
<tr>
<td>2</td>
<td>Baseline status update by Dr Richard Strauch (Dust monitoring)</td>
<td>PH</td>
<td>This meeting</td>
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<tr>
<td>3</td>
<td>Fake monitoring cameras along Hopkins Road to be removed</td>
<td>PH</td>
<td>TBC</td>
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Deer Park Quarry Plant Replacement Project Update

Luke Brown, Project Sponsor - Deer Park Quarry Replacement Project
Replacement Plant Project Next Steps:

- Concrete foundations work 80% complete, Construction commenced, on-track to be completed by mid 2017.

- Bund planting to commence 18/7 supported by DPFC.

- Commence operation ramp up of new plant mid 2017.

- Council requirement to ramp down old plant and cease production 2018 (12 months after start of operation)
Construction Dust Management:

Monitor 2 - PM10

Average for period = 12.6 µg/m³

Monitor 1 - PM10

Average for period = 12.3 µg/m³

4/4 Exceedance logged in SIMS. Details to follow.

Monitor 1 no exceedance recorded.
4/4 OS2 Monitor 24hr average = 67 ug/m³
(limit = 60 ug/m³)

Monitors triggered during the day.
Site team reviewed monitor to understand problem (Photo’s to follow)
SP Ausnet Establishing road around perimeter of site

Photo from 4/4
Build something great™

Boral Deer Park Operations
Boral Operations Reports - Quarries

Paul Hodges, Quarry Manager, Boral Deer Park Quarry
Quarry – Monitoring Locations

Dust Monitors

Blast Monitors

Ambient Air Station (Dust Collection Jar)
Deer Park Quarry - Ambient Air - Ash

Ash (g/m²/month)

- Station A
- Station B
- Station E

Deer Park Quarry Environmental Review Committee - 7 July 2016
Quarry – Blast Reports- Air Vibrations

Deer Park Quarry Environmental Review Committee - 7 July 2016

Deer Park - Air Vibrations

- Zone 4 (10/4/2019)
- Zone 4 (29/4/2019)
- Zone 5 (15/4/2019)
- Zone 5 (28/4/2019)
- Zone 5 (30/8/2019)
- Zone 5 (9/9/2019)
- Zone 6 (22/4/2019)
- Zone 6 (7/4/2019)

dB/L
## Drill and Blast Report

**Date Range:** Between 1/4/2016 and 27/6/2016

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<tr>
<th>Location/RL</th>
<th>Zone</th>
<th>Date</th>
<th>Profile ID</th>
<th>Station</th>
<th>Ground Vibrations (m/s)</th>
<th>Air Blast (dB)</th>
<th>No. of Rows</th>
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<td>P 15 (15)</td>
<td>Station A</td>
<td>12 BE 73</td>
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**Concern**

After a review of a recent Downtime RCA, it was found that the maintenance task involved possessed a high risk of manual handling injury where it could have been prevented. There was also production loss and the risk of damage to plant and equipment.

**Cause**

CV T06 Slipping / overloaded due to a spike in fine material coming through tertiary, causing screen 5 hopper to stop full and CV T08 full of material.

**Countermeasure**

Install an under speed wheel and program an interlock into the Tertiary PLC.

**Outcome**

Reduce the risk of exposing our people to health and safety risks, reduce plant and equipment damage and loss of production. **Savings : 8 hours YTD of production downtime = $30 000**
### Deer Park Quarry – Production Cost and Hazard Reduction

**CV T3A**

*For more details contact: Les Jensen  –  0401 894 353 les.jensen@boral.com.au*

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#### Concern

Material building up inside guard is hazardous due to additional weight of guard when removing. If not removed and cleaned causes wear/damage/seizing of return rollers and belt misalignment, shortening the life of rollers and belt, additional cost

#### Cause

20 mm square mesh on return roller mesh guards capturing stone which builds up over time

#### Countermeasure

Modify guards to 40 mm square mesh allowing all material (20mm minus) to drop to ground where clean up with bobcat can be easily done

#### Outcome

Guards not filling up with stone, no additional wear to conveyor belt or rollers

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**Total Realised Saving / Opportunity**

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Environment

Patrick Boyce, HSE - Quarries, Boral
General business

Julia Preston, Stakeholder Relations Advisor (Southern Region)

- Review of Environment Review Committees (Meta Finnimore, Department of Economic Development, Jobs, Transport and Resources)

- Next meeting- Thursday 17 November 2016, 5.00pm
Thank you for your attendance

- **Boral Deer Park contacts**
  - [deerparkenquiries@boral.com.au](mailto:deerparkenquiries@boral.com.au)
  - Quarry – 9363 7850
  - Asphalt – 9360 4255
  - Concrete – 9361 2196
  - **Julia Preston** – Stakeholder Relations Advisor
    03 9981 2925 or [julia.preston@boral.com.au](mailto:julia.preston@boral.com.au)
  - **Paul Jackson** – Stakeholder Relations Manager
    02 9033 5215 or [paul.jackson2@boral.com.au](mailto:paul.jackson2@boral.com.au)