



BORAL QUARRIES TEVEN

1 June 2021 Whole of Community Meeting



Agenda

- Welcome, administration and 'safety moment'
- > Quarry operations update
- Environmental management and performance
- Seneral business including election of CCC community representatives for '21-23'





Welcome, administration and 'safety moment'

- Welcome and re-introductions
- Safety moment
- Previous meeting
 - > November 2020
 - > Presentations and meeting notes from previous meetings are available from the quarry's website
 - www.boral.com.au/tevenquarry
- Any matters arising?
 - > Presentation on blasting practices for site: will be presented at next meeting
 - Morning Glory infestation: being monitored and treated
 - Assist neighbour with removal of dead trees from common fence line: action arranged
 - Write to Ballina Shire Council regarding improvement works program for Beacon Road on amenity and safety grounds: letter to be sent
- Apologies for this meeting Beverley Garrett





BORAL TEVEN QUARRY



Quarry development: basalt pit

We are currently looking at reshaping the northern wall of the basalt pit to create a new north 'ramp', allowing us to extract the existing central ramp.



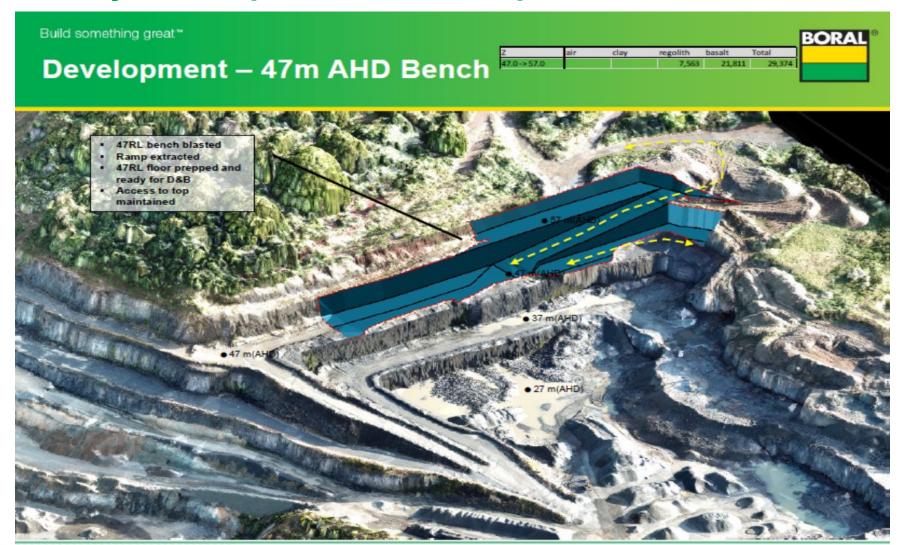


Quarry development: new ramp





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Quarry development: basalt pit

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Operations update

- Dust emissions control
 - Cool fog system is now installed and working well
- Concreting works around site
 - > Works have commenced, contractors currently onsite
 - > Conveyor & bin wall Replacement
 - > We are in the process of replacing 2 Conveyors and upgrading Tipping bin wall







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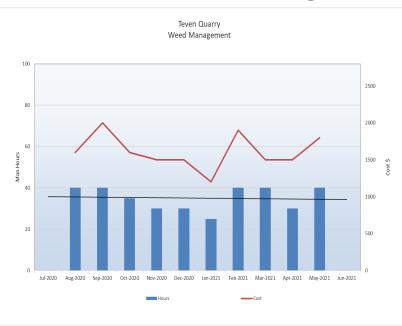




Weed control areas and hours

Weed management

- > Works ongoing.
- Main focus areas along property boundary and top of Hill
- > Hours continue to increase
- Works to focus on targeted weeds and maintenance of weed growth







Areas worked



Environmental monitoring – site averages



Averaging

Period g/m²/montha

Deposited Dustb 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)

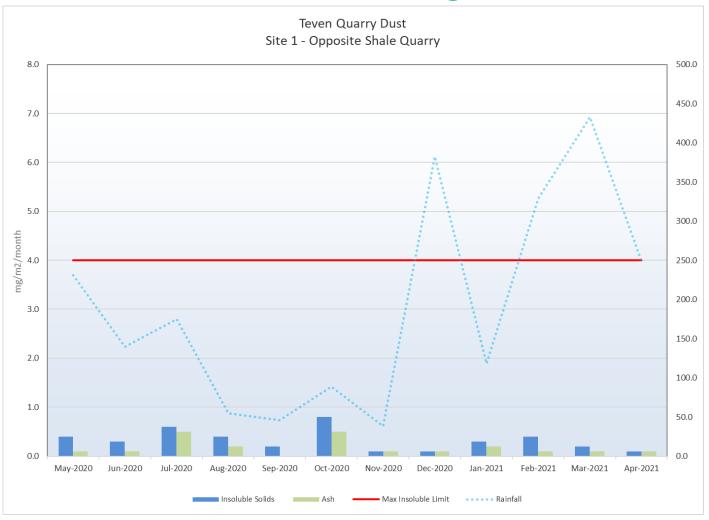
Source: Table 7.1 (Page 28) of the Approved Methods for the Modelling and Assessment of Air Pollutants in NSW – DEC 2005

Average Dust Deposition (Insoluble Solids)

Site 1	0.33 g/m ²
Site 2	1.18 g/m ²
Site 3	1.88 g/m ²
Site 4	0.59 g/m ²

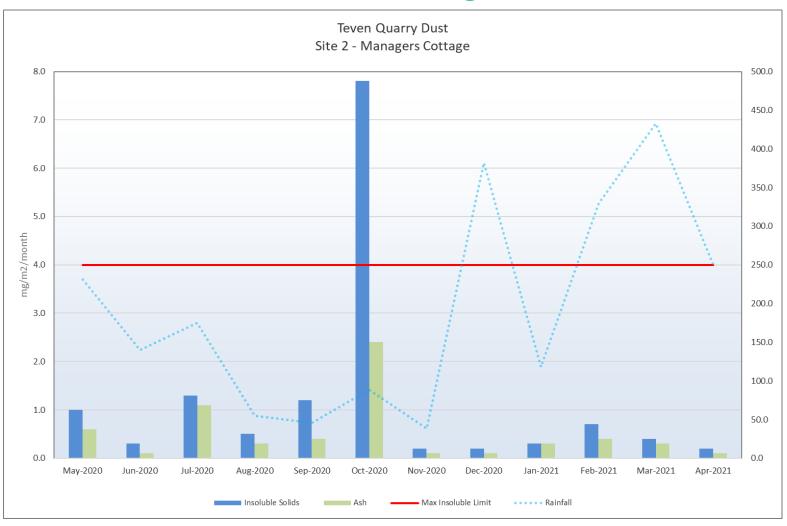
As of February 2015 the Environmental Analysis Laboratory (EAL) at Southern Cross University has been collecting and analysing the Deposited Dust sample bottles at the Boral Teven Quarry





Annual Average Dust Deposition (Insoluble Solids) 0.33 g / m² / month





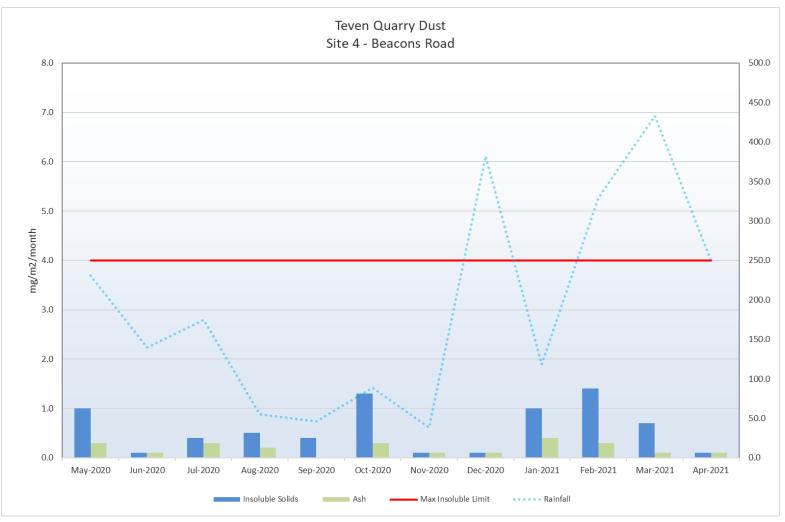
Annual Average Dust Deposition (Insoluble Solids) 1.18 g / m² / month





Annual Average Dust Deposition (Insoluble Solids) 1.88 g / m² / month



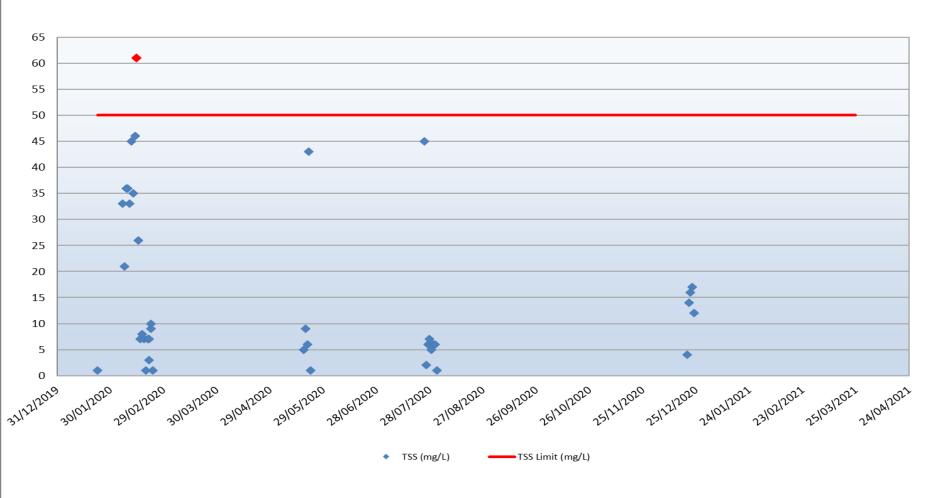


Annual Average Dust Deposition (Insoluble Solids) 0.59 g / m² / month



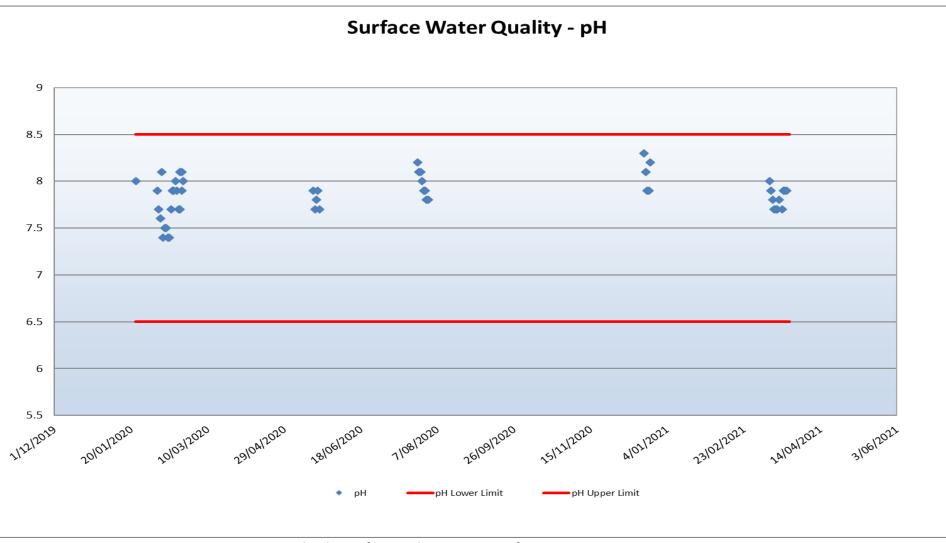
Environmental water monitoring – TSS

Surface Water Quality - Total Suspended Solids (TSS)





Environmental water monitoring – pH





Blast Monitoring Results

Date	Blast ID	Time	Overpressure [dB]	Peak Vibration [mm/s]	Monitor
21 Dec 2020	BTQ-2018	14:09	112	3.08	Teven Rd
5 Feb 2021	BTQ-2101	13:32	109.5	2.28	Beacon Rd
29 Mar 2021	BTQ-2102	11:36	109.2	1.82	Beacon Rd
27 Apr 2021	BTQ-2104	12:00	113.8	1.287	Beacon Rd
28 May 2021	BTQ-2103	12:00	114.2	1.04	Beacon Rd



Boral Teven Quarry Blast Limits

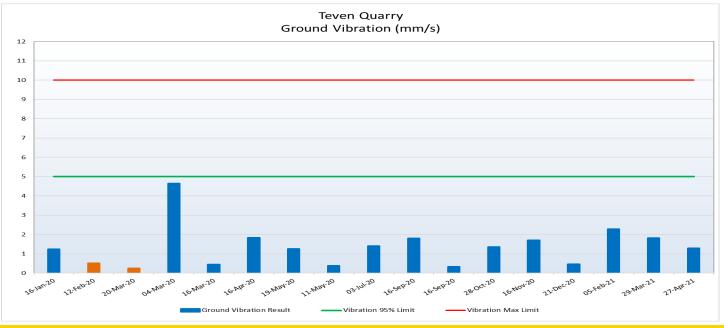
- Only 1 blast per day
- Blast between 9am to 4pm Monday to Friday
- Vibration limits
 - 5mm/s 95%
 - 10mm/s 100%
- Overpressure Limits
 - 115dB 95%
 - 120dB 100%

No Trigger set at:

- >110db
- >0.51 mm/s











BORAL
TEVEN QUARRY



General business and contacts

- Items of general business
 - > One way traffic system awaiting advice from Council
- Election of Committee
- > Next meeting: September 2021 (TBC)
- Boral Teven Quarry contacts:
 - Phil (Dick) Pallisier Quarry Manager 6687 8360 / 0427 600 194 / phillip.pallisier@boral.com.au
 - Jenny Smillie Stakeholder Relations Manager
 0401 894 097 / jenny.smillie@boral.com.au

- www.boral.com.au/tevenquarry
- <u>feedback@boral.com.au</u>





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