

**Hanson Lysterfield Quarry
Community Reference Group**

MINUTES OF MEETING

Meeting No.:	27	Status of Minutes:	DRAFT
Date:	17 February 2021	Time:	6:00pm
Location:	Online via Microsoft Teams		
Minutes Confirmed for upload to website:	Minute of Meeting 26 were confirmed via online vote and uploaded on 16 December 2020.		
Minutes Confirmed at meeting:	Virginia Bright Sally Orr		

Chairman:	Brian Oates (BO)
------------------	------------------

Present:

Members:	Wendy Belli (WB) Alan Birchall (AB) Virginia Bright (VB) Clayton Collins (CC) Richard Faragher (RFR) John Farrer (JF) Trevor Harley (TH) Shane Logan (SL) Alice MacKenzie (AM) Clifford Matthews (CM) Sally Orr (SO) Johanna Selleck (JS) Monica Varcoe (MV)
Presenters/ Observers:	Rob Francis, Hanson (RFs) Garrett Hall, Golder, Hanson consultant (GH) Lachie McRae, Hanson (LM) Daniel Fyfe (DF), Hanson Andrew Ritchie, Hanson (AR) Barry Strong, Regional Manager, ERR Metro Compliance (BS) Lyndel Hunter, LHSC, CRG Secretariat (LH)

Item	Issue
1	Welcome <i>Apologies received from:</i> Susan Pearce Cr Darren Pearce, KCC Paul Dickie, KCC

LH reported that an email had been received from Paul Lees that afternoon. Paul advised that he was resigning from the CRG and requested that his position be opened up to a new member to contribute further.

Absent:

Darren Heathcote

Pablo Perez-Reigosa

BO introduced and welcomed the new members in attendance:

▪ **Cliff Matthews**

Specific area of interest:

- Operations of Hanson at Lysterfield site
- Dust control measures
- Blasting controls and effects measurement
- Review / continuing review of environmental controls and plans
- Contribute to the Hanson CRG in a constructive way.

Describe your expectations regarding participation in CRG:

- Constructive engagement in the CRG meetings with an open minded approach
- Work with Hanson site management in meeting community expectations and Hanson's business objectives
- As a qualified metallurgist may be able to have a more engineering perspective and contribution.

CM stated that he was a metallurgist involved primarily in gold mines. He advised that he had been approached by community members to sign petition, which he declined. He has walked around the site and lives in a neighbouring residential street, which is impacted by blasts and dust. He joined the CRG to obtain first-hand information.

▪ **Johanna Selleck, President, Friends of the Glenfern Green Wedge Inc**

Specific area of interest:

We are a local environmental group, who has been working for the past 10 years to protect and conserve local vegetation throughout Knox and Yarra Ranges. We are particularly interested to discuss the proposed expansion of the quarry.

Describe your organisation's expectations regarding participation in CRG:

In particular, I hope to have some input into the proposed expansion of the quarry and what this means to the community and the impact on remnant vegetation in our local area. I also wish to talk about other aspects of the way the quarry is operating, buffer zones, issues of compliance, and effects on neighbouring areas such as Churchill Park.

▪ **Richard Faragher, President, Knox Environment Society**

Specific area of interest:

Environment

Describe your organisation's expectations regarding participation in CRG:

Learn more about quarry and its operations and effect on local environment.

Action:

During the first 10 minutes of the meeting, it was noted that the new members were having difficulty accessing the Microsoft Online meetings link. Investigation indicated that the link within the Agenda was an old link. Consequently, future meetings will be advised via Microsoft Calendar invite and will include the meeting link.

2

Minutes of previous meeting

Meeting 26 Minutes were approved for online publication and uploaded to website on 16 December 2021.

Meeting 26 Minutes were also confirmed during meeting.

Action Tracker

Issue: Nominated community groups for donation of AED to be circulated to CRG members for decision on recipient.

LH reported that seven votes had been received:

Rowville CFA	4
Lysterfield Junior Football Club	3

Donation of AED to Rowville CFA to be discussed in Item 3.

Issue: CRG survey to be redeveloped on Survey Monkey and distributed to all CRG members over the summer holiday period.

To be presented in Item 3.

Issue: CRG members to advise of schools interested in Work Place program.

LH advised that no information or recommendations had been received and that Hanson was eager to establish the program at the Lysterfield Quarry. All members were encouraged to provide information if they believe their local secondary school would be interested.

Issue: Terrock report re blast 2052 to be provided to TH and reported at next CRG meeting.

RFs advised that he and LM had met with TH to discuss blast results. This report will be included in Item 5. Operational Report.

3

Communication and Consultation

Donation of AED:

Brian Oates, Chairman

BO reported that, after some time, contact had been made with Rowville CFA. Following discussion, it was agreed that a specific CFA approved AED unit will be obtained and presented to all CFA members during their training night on a Tuesday at 7:00pm. As the AED unit is yet to arrive, and subject to COVID regulation, a confirmed date is not yet available. When it is known and invitation will be sent to all CRG members to attend the presentation.

Site Tour, Saturday 13 March 2021:

Lyndel Hunter, Secretariat

LH advised that a site tour, including a tour of the residential estate as requested in Meeting 26, would be conducted on Saturday 13 March 2021 from 12:00pm to 2:00pm. Due to COVID regulation, strict operating procedures will be in place. Two 24 seat buses have been booked. However, due to COVID safety requirements, each bus can only hold 12 passengers comprising one Hanson representative and 11 CRG members. Meaning there are 22 seats available. Should a third bus be required, it will be booked.

An invitation will be sent to all members and a confirmation of attendance will be required. A bus number and seat number will then be provided.

CRG Survey:

Lyndel Hunter, Secretariat

LH advised that, in light of the four new CRG memberships and the forthcoming Site Tour, it would be more beneficial to the CRG to conduct the survey following the Site Tour. This allows the new members to offer constructive insight to the value and effectiveness of the group.

	<p><u>Membership Development:</u> <i>Brian Oates, Chairman</i></p> <p>BO advised that the CRG Terms of Reference (ToR) expires in April 2021. Decisions relevant to updating the ToR and the conduct of a membership drive need to be considered.</p> <p>BO advised that LH had recommended that the ToR be updated to include the Code of Conduct so that they are not two separate documents and that, when the Expression of Interest is signed, members are committing to abiding by the ToR, including the Code of Conduct.</p> <p>Following discussion, it was agreed for the ToR to be updated, including the Code of Conduct, and the revised document presented at next CRG meeting for approval.</p> <p>BO advised that the current ToR states the CRG comprise “up to 18 community members”. With the addition of the four new members, and today’s resignation, the current total is 17 members. The CRG Newsletter Issue #4, with invitations to join the CRG on six of the twelve pages, was distributed to more than 12,000 local residences in October 2020. Information about joining the CRG, including a Fact Sheet, the ToR and an Expression of Interest form are all available on the webpage, and invitations to join the CRG are also provided to every community member who contacts the Lysterfield Quarry.</p> <p>Following discussion, it was agreed that community membership should remain at 18. It was noted that more than 18 can become too cumbersome. No membership drive would be conducted, however natural additions through contact with the quarry or CRG members should be continued.</p>
5	<p>Presentation: Project Update <i>Rob Francis, Hanson</i> (Refer to ATTACHMENT A)</p> <p>RFs advised that there were two current projects.</p> <p><u>Quarry Extension Application:</u></p> <ul style="list-style-type: none"> Following Hanson’s submission, on 26 November 2020, Earth Resources Regulation (ERR) requested additional information to be submitted. It is expected that Hanson will submit the additional information in April 2021. The key points of the extension application include: 400 metre buffer maintained Depth to be increased by 15m Quarry operating hours will remain unchanged Rehabilitation will include a lake and developable area suitable for a range of equestrian, commercial, residential or community outcomes. RFs noted that equestrian had been added as a result of CRG recommendation. RFs outlined the quarry extension application process, noting the current status of the process. RFs outlined that, legislatively, the process does not present an opportunity for community input until Planning permission is sought from Knox City Council. <p><u>Overburden Earthworks Application:</u></p> <ul style="list-style-type: none"> RFs advised that the application to move overburden from the Work Authority area to the front of the site is currently with Knox City Council for assessment. The next step is to action the Equestrian Facilities Relocation Plan ensuring facilities remain during early construction. Vegetation offsets are being purchased by Hanson If approved, work will commence when fill and machinery are available

- Prefilling will then commence.

Subsequent to the presentation, the following was discussed:

CM queried whether, in consideration of the 400m buffer, if an assessment of blasting vibration and its impacts had been undertaken.

GH advised that a blasting vibration study specific to the Work Plan Variation, including the 400m buffer, had been undertaken. A study of air quality has also been conducted. These studies inform the Work Authority Variation application and Hanson works with ERR throughout these processes.

CM commented that every time there is a blast, he has to realign his pictures. He is currently 500 – 600m from the boundary. What happens when it is 400m?

RFs responded that this issue has been raised by others in the past. Hanson contracted Terrock Consulting Engineers to study and report on the issue and their findings were presented to the CRG in 2018. The reports are available for review online.

CM advised that he had seen the reports. They seemed good and was happy with results.

RFr advised that only 3% of Knox's vegetation remains and any offset vegetation leaves Knox resulting in a net loss for Knox.

GH advised that offset vegetation is available from an approved Department of Environment Land Water and Planning native vegetation offset broker.

DF advised that regulation required that offsets match removed vegetation with an expectation that the offsets would be local to the area. Until Hanson knows what it is being offered, no decision can be made. The process is becoming more and more difficult.

RFs advised that dead trees on the overburden project site would be relocated on the site for fauna habitat.

AR stated that if anyone knew about any local offsets available, or any suggestion, Hanson is happy to consider.

JS stated that offsets do not support the biodiversity system – and reiterated that there is only 3% of Knox's vegetation remaining which is of great concern.

Community Complaints:

(refer to **ATTACHMENT B**)

For the benefit of new members, RFs reiterated the Hanson Complaints procedure:

- Complaint registered in Community Contact Database
- Hanson to respond within one working day where possible
- Request conversation with complainant
 - Pre-COVID-19: Meeting
 - During COVID-19 restrictions: Phone call
- Listen
- Provide requested information
 - Verbally
 - Documentation (hard copy or emailed)
 - Usually from CRG minutes and newsletters
 - Consultant Engineer's reports
- Take action as appropriate / where possible
- Invitation to join SMS blast notification service
- Invitation to attend CRG meeting as observer
- Potential to apply to CRG members for membership
- Quarry tour if appropriate

RFs outlined complaints received by Hanson, including:

- Rowville resident who acknowledged that blast impacts were compliant but appeared to be creeping up over time.
Hanson made phone call and met with resident. Provided report indicating all blast were managed according to limits. However two blasts referenced by resident were higher than previously experienced, data indicates a reduction since that time.
- A local community group had emailed Hanson advising objection to:
 - Remnant bush removal
 - Fauna impacts
 - Erosion
 - Fencing
 - Lack of Council and MP response
 - Removal of Public Acquisition Overlay
 - Buffer
 - Inability to access Flora and Fauna report as not yet released
 - Request to conduct own ecological survey on Hanson site.

RFs advised that phone calls had been made to the group, advising particularly that the specialist reports will be released to the community following regulatory endorsement. The group was also encouraged to join the CRG.

- A Rowville resident had emailed Hanson complaining about blasting and requesting the blast report readings. No contact information was provided, so requested information was emailed.
- A community member (location and contact details unknown) emailed Hanson advising objection to:
 - CRG not being independent
 - Blasting effect on house
 - Doesn't believe blast assessments
 - Member's articles in CRG Newsletter demonstrate conflict of interest.

RFs advised that a return email had been sent seeking a contact number. No response as yet.

To respond to queries seeking release of environmental reports to the community, RFs provided an outline of the specialist studies finalisation process. The regulatory process does not offer community consultation under the Planning and Environment Act until the application is endorsed by ERR, following ERR's referral to referral agencies and authorities. The community consultation process is then managed by the Council or the Planning Minister with advice from Planning Panels Victoria.

BS reported that complaints received by ERR had reduced and were relevant to blasting, noise, vibration and operating earlier than defined operating hours.

BS also advised that under the *Mineral Resources (Sustainable Development) Act 1990*, there is no requirement for public process or community consultation (provided this is linked to the application process this is OK, we obviously have links to the community for our regulatory functions). ERR is subject to a 'Secrecy' provision (Section 119) whereby ERR can't release information, but can request Hanson to provide information. However, Hanson is not constrained by this provision.

RFs queried the process for community engagement if the application is called in by the Planning Minister.

GH advised that community consultation and exhibition would be undertaken by either Council or the Planning Minister, as the process for each falls under the *Planning and Environment Act 1987*.

	<p>If called in by the Planning Minister, a Planning Panel will be convened and community members have an opportunity to present at that hearing.</p> <p>GH also stated that, while the engagement process is closed to ERR, the CRG is part of the process and utilised by ERR for the provision of information.</p> <p>RFs referred to presentation of Council versus Ministerial processes at last meeting (Mtg 26, 25.11.20)</p> <p>JS stated that she understood the process but, in a fair process for the community, the Friends of Glenfern Green Wedge Inc should be permitted to conduct their own study to assess Hanson report.</p> <p>DF responded that no precedent or requirement exists for a third party on site investigation. OH&S regulation would make this difficult. The purpose of the regulated exhibition period and community consultation is to provide an opportunity for all reports to be examined and reviewed.</p> <p>BS advised that ERR were preparing a Regulators' Community Presentation including representatives of ERR, EPA, Department of Transport and Knox City Council to outline the complaints received about the Lysterfield quarries, Boral and Hanson, and the actions progressed. The mechanisms that deal with quarries under the <i>Mineral Resources (Sustainable Development) Act 1990</i> and the <i>Planning and Environment Act 1987</i>, describing how quarries are regulated and when community can engage. ERR and co-regulators have provided similar presentations to other communities in the past.</p> <p>It was agreed that BS would send information to LH who will then circulate to all CRG members. The REGULATORS' COMMUNITY PRESENTATION will be conducted online from 7:00pm and is being planned for Wednesday 24 March 2021, at this stage.</p> <p>Action: BS to forward notification of ERR Community Presentation to LH for distribution to CRG members.</p>
5	<p>Other Business</p> <p>7.a Operational Report <i>Lachie McRae, Quarry Manager</i> (refer to ATTACHMENT C)</p> <p>LM presented dust and rainfall data for December and January 2020, Full Year 2020 and January 2021 noting:</p> <ul style="list-style-type: none"> · With the exception of the Park Boundary, dust readings for 2020 were below allowable levels. · December 2020 and January 2021 dust at Montague was higher from the north and the east. · Dust gauges were read on 18 January 2021. · Lysterfield Quarry was closed from 23 December 2020 to 4 January 2021, so dust generation from operations and dust management operations did occur during this period. · Rainfall was at or below average May to October 2020 · November rainfall 17% below average · December rainfall 32% below average · January 2021 rainfall well above average. · There was strong weed growth in 2020. <p>LM provided visual of blast monitor locations.</p>

LM presented Blast Monitoring results for all blasts January to June 2020, July to December 2020 and all blasts for the six blasts conducted in 2021.

Video of all blasts since last meeting shown.

LM presented virtual 3D graphic progress animation of current quarry development plan.

LM advised that asphalt maintenance on internal roads will be undertaken on Sunday 21 February 2021 from 9:00am and that trucks necessary to bring in the Green Roads asphalt will enter and exit via Wellington Road.

Consultation has been conducted with, and permission sought from, ERR and Knox City Council. Both have confirmed works fall under existing regulatory permissions.

LM advised that the work needs to be undertaken well before winter to minimise mud drag out impacts on the community and the environment.

LM advised that works will not commence until 9:00am and that only asphalt laying will occur, thus reducing noise emissions, and that the quarry, crushers and loaders will not be in operation.

Benefits of the project include:

- Maintaining internal road safety
- Maintaining dust mitigation
- Maintaining mitigation of drag out of mud and gravel on to Wellington Road
- 'Green Roads' asphalt contains 15% recycled glass bottles and 15% recycled asphalt.

Rehabilitation:

LM provided photos of the rehabilitation of the eastern face showing progress from 2017 to October 2020, and the National Park boundary view from September 2019 to February 2021.

LM provided photos of next area of progressive rehabilitation on the eastern face and indicated an area where planting and spraying of weeds had been undertaken.

LM advised that, through the donation of the AED, a relationship had been established with Rowville CFA providing opportunities for:

- Controlled burn offs in the quarry for fire hazards
- Training for new and existing recruits in extinguishing fires and managing and controlling burn offs
- 4WD training for loaded fire trucks
- Access to resources in the event of an emergency.

LM advised that the recent upgrade of the fast-fill pump provides:

- Ability to fill water cart at 5,000 litres per minute, meaning the 50,000 litre water cart can be filled in 10 minutes rather than the previous 30 minutes
- The speedy fill time increases the capacity to maintain dust suppression in summer
- The upgraded pump could provide assistance to CFA trucks

LM outlined and showed layout plan of the Nest Box program developed with advice from BirdLife Australia.

There are 10 boxes in total. Two have been mounted. The remainder require a boom lift for high mounting of boxes.

Nest boxes include:

- 2 x Kookaburra
- 2 x Large Rosella

- 2 x Lorikeet
- 2 x Rosella
- 1 x Owl
- 1 x Micro Bat

A short video of the sighting of a black wedge tail eagle flying over the site was shown.

During and subsequent to the presentation, the following was queried and discussed:

RFr stated that he was amazed at the amount of weeds and thistles, especially leaking into Churchill Park. They are really bad.

LM agreed with RFr and advised that noxious weed monitoring is conducted and there is full time weed control maintenance. Hanson has just completed a blitz on Bone Seed by pulling out, brush cutting and spraying. It is a continuous program. LM advised he would definitely take RFr's comments on board.

Relevant to the blast report, RFr noted that blasts were every week. LM replied that, although not conducted weekly, six blasts in six weeks had been conducted in 2021.

JS queried why dust monitors were not located near houses like blast monitors and that monitors should be located similarly in front of houses like blasting monitors.

GH responded that, under ERR regulation, dust monitors were required to be close to the source, therefore the locations are closer to the pit. This way, monitors are more likely to provide confidence the dust is from the quarry itself. However, the air quality submission relevant to the quarry extension recommends additional monitors being placed near houses.

CM stated that he was closer to the quarry than Montague Crescent. He stated that dust rolls into housing estate, and hits his sinuses badly. When he fills the birdbath, it is full of dust a few days later.

GH reiterated that the air quality report recommends placement of additional monitors in residential area.

CM stated that the Quarry Bothers Me group indicates that the vibration is bad and that you are damaging houses.

LM stated that all operating conditions are adhered to.

RFs also recommended review of Terrock blast report which is live on webpage.

WB stated that she was a stay-at-home Mum in Rowville and, when buying the property, all reports were normal. WB advised that she hears it and feels it occasionally, but the images in the A Current Affair report of glasses wobbling off benches is ridiculous. WB stated that she was confident that Hanson was doing everything they can and that the reports demonstrate that.

CM stated that he regularly had to straighten and readjust the plates on his wall.

SO stated that she had been a neighbour and agistor at Hillview Equestrian for 20 years. Yes, you do feel it. She advised they had cracks in the walls and had them inspected. Learned the blasts had nothing to do with it. Property is built on clay.

LM advised that a freshwater spray was being installed in the wheelwash to spray the sides and undercarriage of trucks prior to their departure from site.

RFr queried whether the plants being utilised in rehabilitation program had local provenance, and whether more than just trees being planted. He also queried whether there was a vegetation list.

LH advised that Hanson Ecologist, Ken Brown, had presented to CRG previously, so there may be some information there. LH will review Meeting Minutes and forward relevant information to RFr.

RFs advised that he and Ken Brown had visited a local nursery to seek potential flora for the overburden placement project.

AB advised he had seen black wedge tail eagle, similar to that on site camera, in his backyard.

VB advised that that they live near Montague Crescent.

RFr queried how the removal of vegetation in the quarry extension will impact wildlife.

LH stated that the Ken Brown presentation may assist.

Actions:

- LH to send Ken Brown presentation to CRG to RFr

7.b Questions and Answers

- RFs advised that Hanson owned Alex Fraser Group had won the Large Business category of the 2020 Premier's Sustainability Awards for the plant that makes 'Green Roads', a product utilising recycled glass from 1 billion glass bottles per year combined with stone from Lysterfield Quarry. RFs co-hosted a tour of the 'glass mountain' for Keep Victoria Beautiful CEO and program managers in December.
(refer to **ATTACHMENT D**)
 - VB advised that her daughter, Maddie, has qualified to retrain retired racehorses with Racing Victoria which means she is eligible for off-track management and to work with retired racehorses. In addition to the rider assessment, Hillview Equestrian underwent a property assessment and passed.
 - WB advised that she had sold house in Rowville and purchased a property in Lysterfield South. She stated she wanted to continue to participate in the CRG.
 - CM stated that he was quite impressed with the openness of Hanson.
- BO closed the meeting and thanked the new members for their valuable input.

Meeting Closed:	8:00pm
Site Tour:	Saturday 13 March, 2021 12:00pm to 2:00pm
Next Meeting:	Meeting 28 Wednesday 28 April 2021

ACTION TRACKER

Item	Issue	Action	By
2	Future meetings to be advised via Microsoft Calendar invite including Microsoft Teams meeting link	LH RFs	Mtg 28 28.04.22
3	Site Tour invitation to be sent to all members with bus number and seat number allocation advised by return email	LH	asap
4	Notification of ERR Community Presentation to be forwarded to LH for distribution to CRG members.	BS	As soon as available
5	Ken Brown presentation to CRG to be sent to RFr	LH	asap



Project Update

Lysterfield Quarry Community Reference Group

February 17th 2021



Current Quarry Application Projects

1. Quarry Extension
2. Overburden Placement



Extension Application

Progress

- ERR requested more information on 24 Dec 2020
- Hanson expects to submit additional information in April 2021

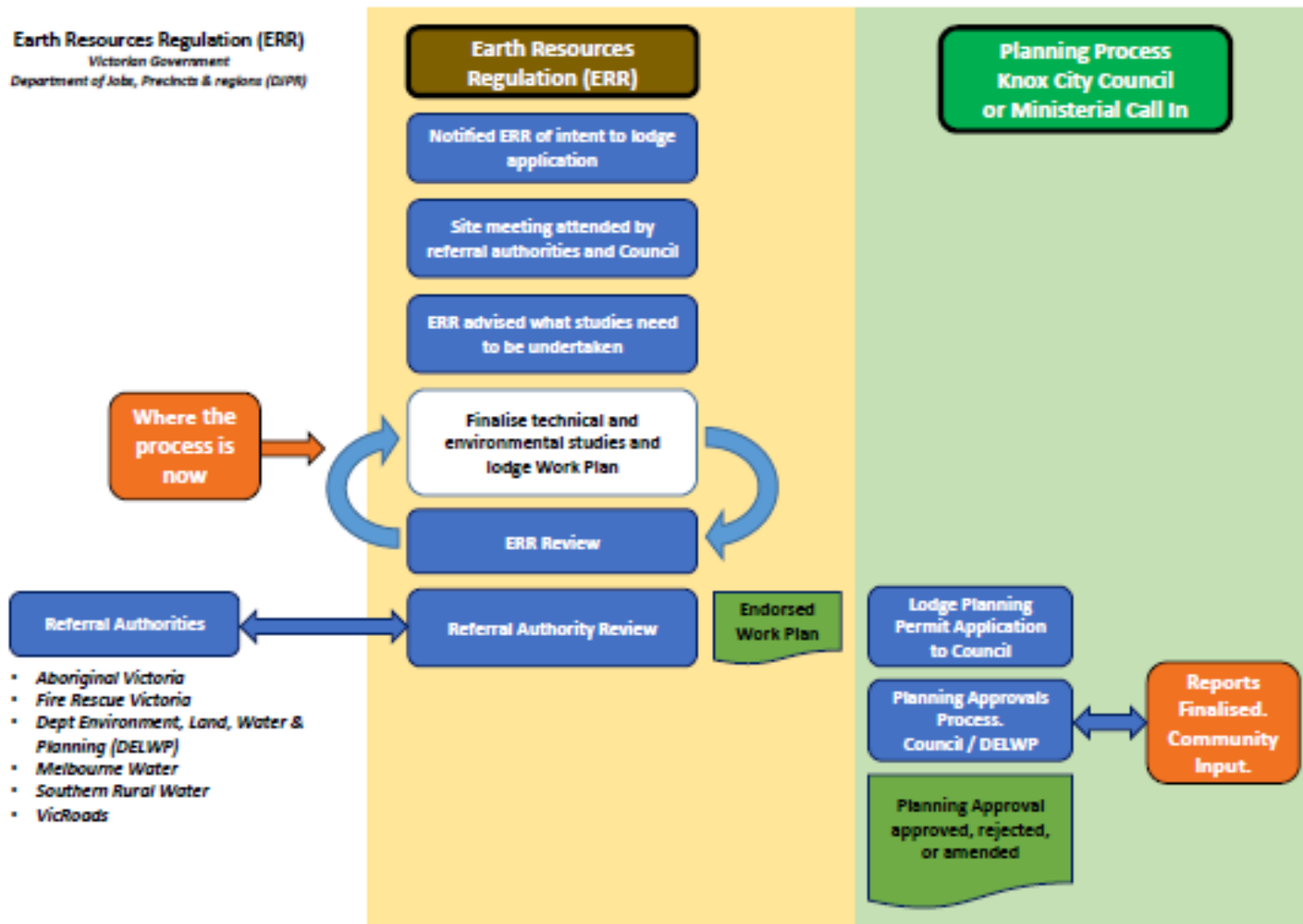
Key Points

- 400 metre buffer maintained
- Increase depth by 15 metres
- Quarry operating hours unchanged
- Rehabilitation to include:
 - Lake
 - Developable area suitable for a range of
 - equestrian
 - commercial
 - residential or
 - community outcomes.



Earth Resources Regulation (ERR)
 Victorian Government
 Department of Jobs, Precincts & regions (DJPR)

Quarry Extension Application Process





Overburden Earthworks Application

- ✓ Lodge Planning Permit
- ✓ Permit Public Display
- ✓ Community Submissions
- ✓ DELWP referrals
- ✓ Council assessment
- ✓ Permit issued with strict conditions
- ✓ Hanson to submit required documentation and met conditions
- Council Assessment ← *Current Phase in Process*
- Equestrian Facilities Relocation Plan
 - Facilities to remain during early construction
- Vegetation Offsets purchased by Hanson
- Fill and machinery availability
- Commencement of Prefilling





Questions?



Rob Francis

*Project Development Manager,
Hanson*

P: 03 9274 3700

M: 0407 530 262

E: robert.francis@hanson.com.au



Community Complaints Update

Lysterfield Quarry

February 17th 2021

Complaints Procedure

- Complaint registered in Community Contact Database
- Hanson to respond within one working day where possible
- Request conversation with complainant
 - Pre-COVID-19: Meeting
 - During COVID-19 restrictions: Phone call
- Listen
- Provide requested information
 - Verbally
 - Documentation (hard copy or emailed)
 - Usually from CRG minutes and newsletters
 - Consultant Engineer's reports
- Take action as appropriate / where possible
- Invitation to join SMS blast notification service
- Invitation to attend CRG meeting as observer
 - Potential to apply to CRG members for membership
- Quarry tour if appropriate



Complaints Received By Hanson

Address	Complains / Allegations	Response	Source
Rowville	Blast impacts are compliant but creeping up over time.	Phone call and meeting. Blasting managed according to limits.	In November CRG Meeting
Community Group	Remnant bush removal, fauna impacts, erosion, fencing lack of Council & MP response, Public Acquisition Overlay removal, buffer, Flora & Fauna report not yet released. Request to conduct own ecological survey on Hanson site.	Phone calls from Hanson. Specialist reports released after regulatory endorsement. Community Group joined CRG.	Email to Hanson
Rowville	Blasting & request for readings	Emailed readings.	Email to Hanson
Not provided	<ul style="list-style-type: none"> • CRG not independent • Blasting affect on house • Doesn't believe blast assessments • Member articles in CRG Newsletter conflicted 	Email requesting phone call.	Email to Hanson

Specialist Studies Finalisation Process

Environmental Reports are not finalised until reviewed by all relevant agencies and authorities. Following thorough review, reports are released for community consultation.

	Body	Act	Process
Works Approval Application	ERR	MRSDA	Subject to revisions requested by ERR
Planning Permit Application	Council or Planning Minister with advice from Planning Panels Victoria	Planning and Environment Act	Subject to revision or conditions imposed by relevant authority
Community Consultation			Studies to be finalised prior to community consultation



Complaints Received By ERR

Questions?



Lachie McRae

Lysterfield Quarry Manager

P: 03 9274 3700

M: 0428 917 538

E: Lachlan.McRae@hanson.com.au



Rob Francis

Project Development Manager

P: 03 9274 3700

M: 0407 530 262

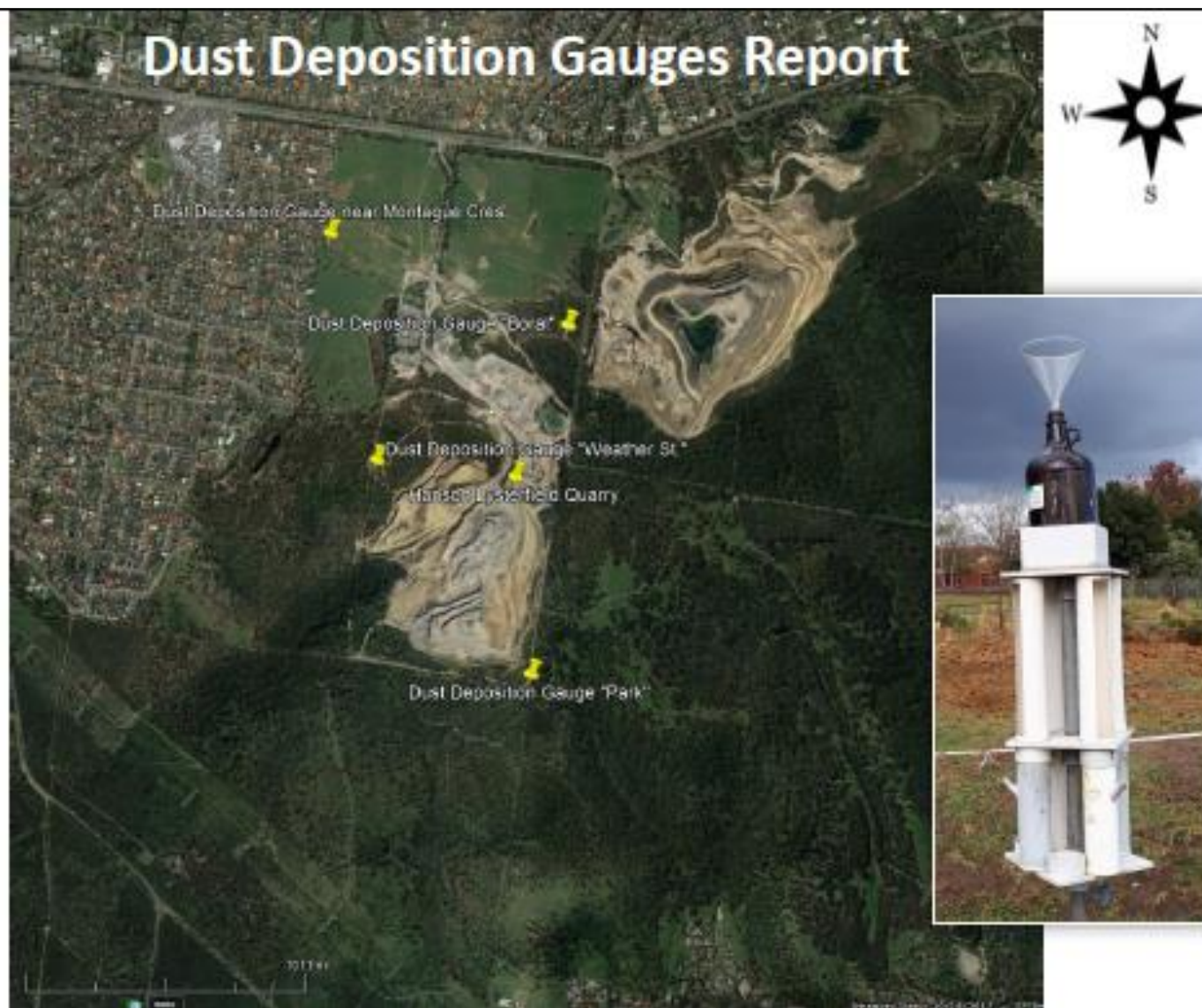
E: robert.francis@hanson.com.au



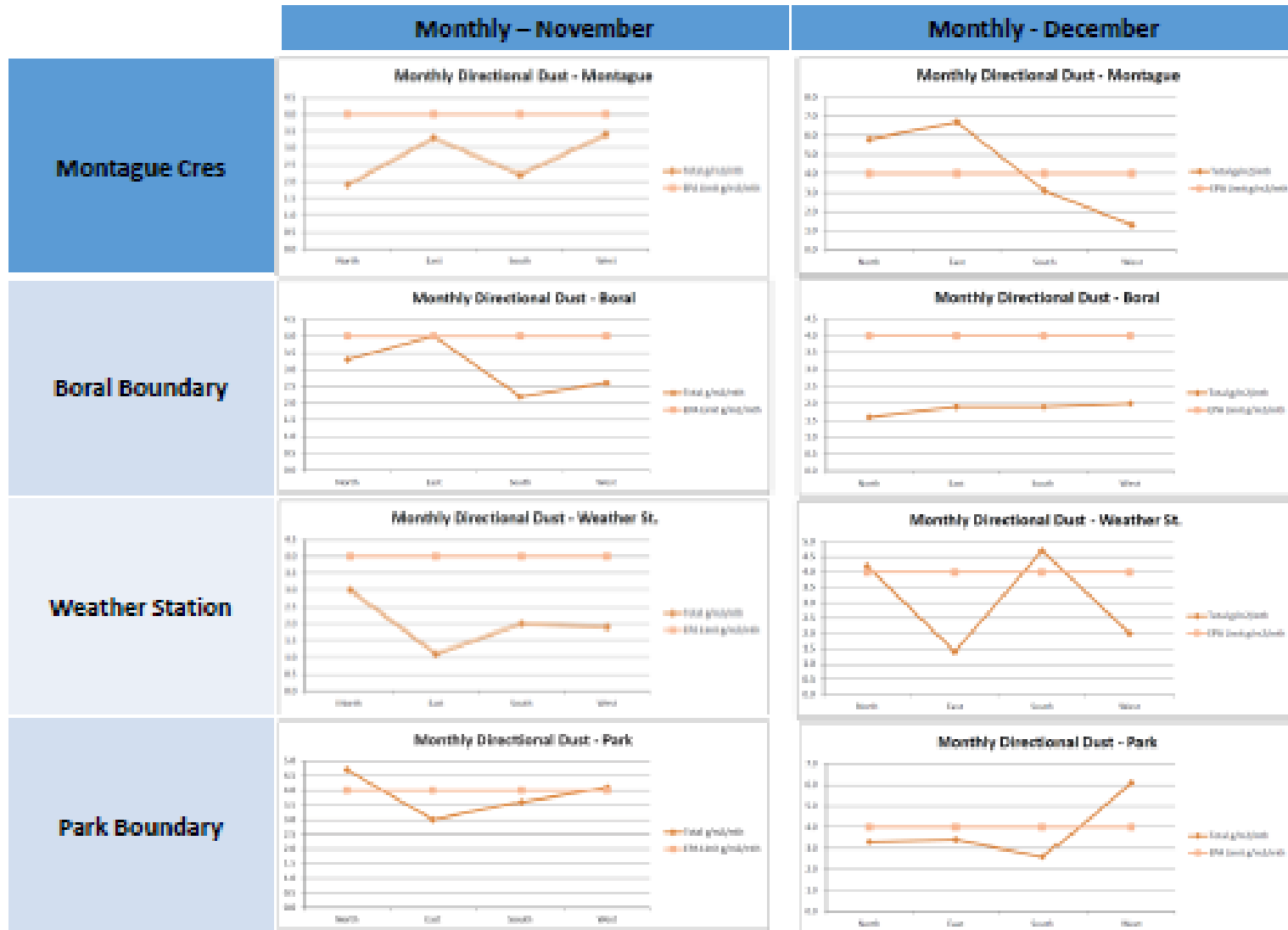
Operational Report

Lysterfield Quarry

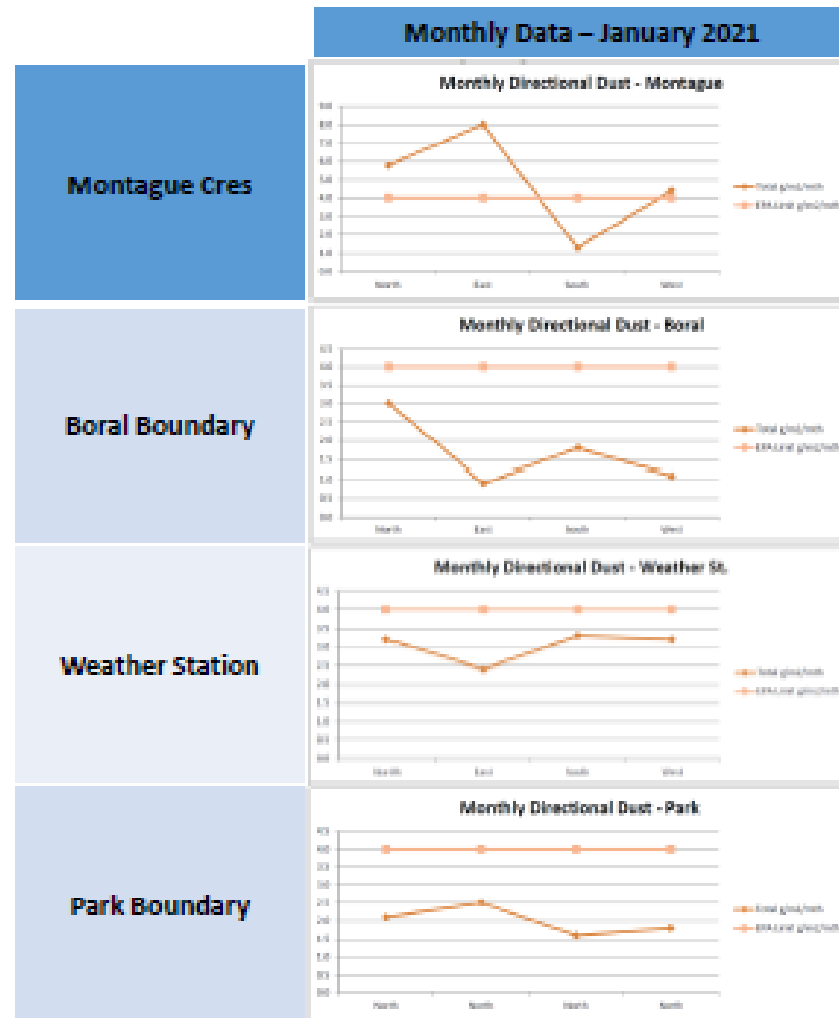
17 February 2021



Dust Data – November and December 2020



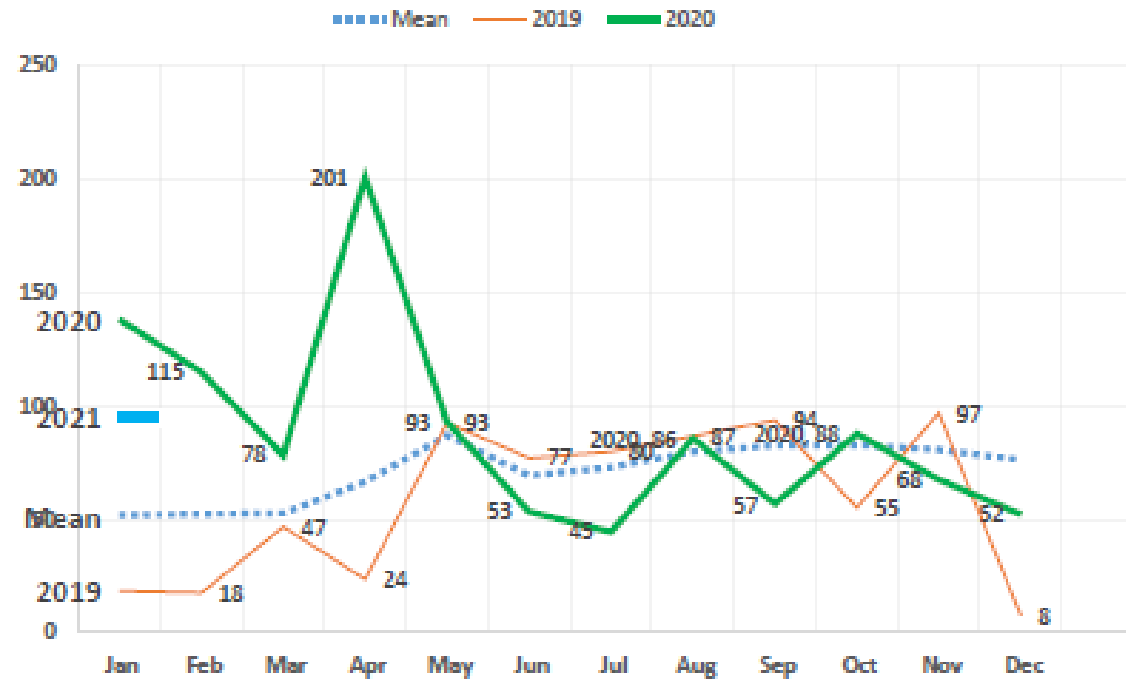
Dust Data – January 2021



Rainfall Data

http://www.bom.gov.au/ja/ncr/cdo/weatherData/cv/p_ncrObsCode=1968p_display_type=dailyDatafile&p_startYear=&p_c=&p_stn_num=086104

TOTAL VS MEAN RAINFALL SCORES BY



Statistic	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mean	51.9	52.3	52.8	66.6	87.1	69.4	73.0	79.9	82.6	82.8	80.8	76.4
Median	50.8	39.2	46.0	62.6	83.1	64.6	71.2	82.4	78.6	77.8	72.5	73.7

Comments & Observations

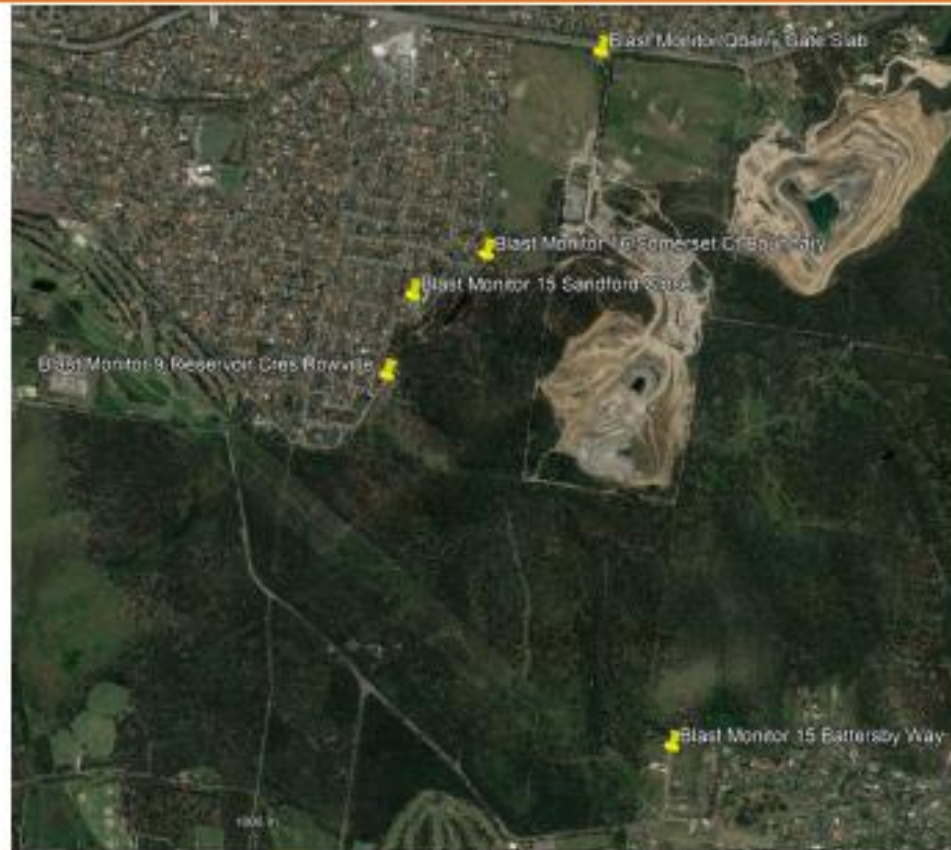
Weather

- Rainfall at or below average May to October 2020.
- November Rainfall 17% below average
- December rainfall 32% below average
- January 2021 rainfall well above average.

Comments...

- Strong weed growth in 2020.
- Full Year 2020 dust readings at low at Montague Cres near homes.
- December & January dust at Montague higher from North & East.
- Dust gauges read 18 Jan 2021.

Blast Monitor Locations





Blast Monitoring Results Jan – June 2020

SHOT no.	Comments		40 Pitfield Crescent [TERROCK]		15 Sandford Close [TERROCK]		6 Parkview Terrace [TERROCK]		Quarry Gate Block		Quarry Gate Slab		Paddock West Boundary		15 Battersby Way		20 Pranjic Place Rowville		9 Reservoir Crescent		16 Somerset Court	
	Date	Estimated Tonnes	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba
2001	10-Jan-20	24,638	0.29	93.44	1.64	100.57	0.46	108.28														
2002	15-Jan-20	42,445	0.29	86.59	1.38	94.09	0.48	92.61														
2003	24-Jan-20	25,477	0.46	89.86	1.12	97.44	0.46	97.86														
2004	29-Jan-20	35,130	0.36	93.33	1.71	97.65	0.31	102.36														
2005	12-Feb-20	18,904	0.26	95.08	1.18	100.67	0.34	93.21														
2006	06-Feb-20	46,000	0.32	92.23	1.55	102.36	0.26	97.58														
2007	12-Feb-20	34,000	0.26	95.08	1.18	100.67	0.34	93.21														
2008	21-Feb-20	44,122	0.38	96.77	1.53	98.12	0.29	88.58														
2009	26-Feb-20	38,157	0.36	103.57	1.62	106.62	0.74	106.72														
2010	06-Mar-20	46,553	0.30	93.21	1.65	100.57	0.28	98.76														
2011	11-Mar-20	63,004	0.25	92.36	1.13	99.41	0.34	93.99														
2012	19-Mar-20	28,520	0.27	90.98	0.76	100.67	0.27	104.53														
2013	25-Mar-20	63,598	0.26	101.38	1.53	101.82	0.43	93.88														
2014	03-Apr-20	50,623	0.46	94.70	1.90	102.40	0.31	106.42														
2015	14-Apr-20	49,038	0.30	87.31	0.95	99.35	0.30	101.95														
2016	20-Apr-20	52,312	0.38	94.30	1.76	100.62	0.31	102.07														
2017	24-Apr-20	54,801	0.50	96.62	1.59	96.85	0.30	97.22														
2018	01-May-20	74,831	0.70	90.03	1.39	96.22																
2019	06-May-20	51,695	0.36	101.78	1.77	101.24	0.29	95.08														
2020	15-May-20	30,935	0.39	93.66	0.85	101.78	0.18	101.19														
2021	20-May-20	47,815	0.37	92.74	1.82	97.00	0.36	101.38														
2022	29-May-20	25,562	0.20	90.83	1.09	97.15	0.27	99.29	0.46	94.80	0.58	94.99	1.79	94.89								
2023	03-Jun-20	39,343	0.29	93.88	1.48	98.38	0.26	94.20	0.80	104.21	0.78	106.59	2.25	100.06								
2024	12-Jun-20	28,962	0.27	95.97	1.40	103.24	0.23	101.60	0.83	98.51	0.94	99.63	3.59	105.54								
2025	12-Jun-20	27,961	0.27	95.97	1.40	103.24	0.23	101.60	0.83	98.51	0.94	99.63	3.59	105.54								
2026	17-Jun-20	25,811	0.20	94.70	1.04	95.45					0.48	98.19	1.35	100.62	0.27	94.60						
2027	26-Jun-20	27,381	0.17	94.80	0.92	95.71					0.42	99.32	2.74	99.68	0.22	97.44					1.71	101.06
2028	26-Jun-20	23,324			0.70	95.80	0.23	93.44			0.59	99.74	2.65	101.90	0.13	92.98					1.72	101.15



Blast Monitoring Results Jul - Dec 2020

SHOT no.	Comments		40 Pitfield Crescent [TERROCK]		15 Sandford Close [TERROCK]		6 Parkview Terrace [TERROCK]		Quarry Gate Block		Quarry Gate Slab		Paddock West Boundary		15 Battersby Way		20 Pranji Place Rowville		5 Reservoir Crescent		16 Somerset Court	
	Date	Estimated Tonnes	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba
2029	01-Jul-20	29,922			0.93	97.44					0.69	92.36			0.44	101.33			1.42	96.22	0.88	95.71
2030	15-Jul-20	77,884			1.47	103.10					0.70	101.69			0.26	96.46			1.46	99.06	2.53	103.02
2031	10-Jul-20	56,827			0.93	108.07					0.76	98.06			0.75	102.24			0.93	106.03	1.54	107.08
2032	22-Jul-20	34,831			1.36	97.22					0.78	96.85			0.38	94.09			1.39	93.33	1.71	95.88
2033	22-Jul-20	55,443			1.73	94.89					0.54	99.35			0.24	93.10			1.71	91.84	2.23	100.06
2034	29-Jul-20	30,741			0.93	103.64					0.65	99.29			0.51	100.47			0.76	103.35	1.05	103.94
2035	29-Jul-20	31,644			0.93	103.64					0.65	99.29			0.51	100.47			0.76	103.35	1.05	103.94
2036	07-Aug-20	66,722			1.19	100.96					0.72	100.42			0.26	95.45			1.34	99.96	1.79	104.59
2037	12-Aug-20	26,789			0.51	105.84					0.51	93.55			0.50	94.30			0.68	102.40	0.69	104.96
2038	12-Aug-20	18,965			0.43	102.60					0.43	95.17			0.13	94.89			0.40	99.85	0.85	104.37
2039	21-Aug-20	86,305			1.55	93.77					0.76	96.62			0.55	96.62			1.83	93.33	2.65	100.57
2040	04-Sep-20	50,134			1.00	95.36					0.43	94.09			0.26	99.63			1.05	94.09	1.46	94.20
2041	26-Aug-20	52,271			1.29	99.52					0.87	100.27			0.34	102.91			1.78	98.45	2.30	100.96
2042	04-Sep-20	35,220			1.13	99.57					0.55	95.17			0.23	105.40			1.68	97.08	1.72	103.28
2043	09-Sep-20	66,542			1.47	97.72					0.76	100.57			0.39	92.23			1.48	92.36	2.62	98.75
2044	18-Sep-20	60,270			1.17	97.72					0.76	100.57			0.39	92.23			1.48	92.36	2.62	98.75
2045	23-Sep-20	65,871			1.26	97.51					0.62	104.40			0.21	96.85			1.29	93.77	1.19	103.35
2046	02-Oct-20	31,138			1.92	103.35					1.27	101.15			0.42	96.93			1.39	109.15	2.86	101.29
2047	02-Oct-20	32,010			1.92	103.35					1.27	101.15			0.42	96.93			1.39	109.15	2.86	101.29
2048	09-Oct-20	20,746			0.89	100.11					0.50	101.38			0.33	96.64			0.95	99.06	1.76	103.67
2049	09-Oct-20	33,304			0.89	95.88					0.83	99.12			0.31	94.99			1.44	95.45	1.63	99.68
2050	16-Oct-20	38,178			1.11	104.53					0.83	99.46			0.26	101.42			1.43	101.78	1.27	102.95
2051	30-Oct-20	53,278			1.03	98.82					0.61	100.11			0.28	94.89			1.19	93.44	1.34	101.38
2052	16-Nov-20	51,818			2.02	100.37					1.00	101.60			0.27	109.69			1.86	96.93	4.41	100.37
2053	25-Nov-20	42,465			2.50	100.00					0.86	99.46			0.53	99.68			2.25	98.88	4.19	103.57
2054	04-Dec-20	25,242			1.08	107.20					0.64	102.80			0.67	97.30			1.15	103.60	0.88	106.30
2055	16-Dec-20	67,367			1.80	105.17					0.79	103.10			0.23	101.24			1.49	101.01	2.61	105.14
2056	18-Dec-20	37,232			1.24	98.70					0.59	101.60			0.32	102.20			1.00	98.74	2.21	99.74



Blast Monitoring Results Jul - Dec 2020

SHOT no.	Comments		40 Pitfield Crescent [TERROCK]		15 Sandford Close [TERROCK]		6 Parkview Terrace [TERROCK]		Quarry Gate Block		Quarry Gate Slab		Paddock West Boundary		15 Battersby Way		20 Pranjic Place Rowville		5 Reservoir Crescent		16 Somerset Court	
	Date	Estimated Tonnes	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba
2029	01-Jul-20	29,922			0.93	97.44					0.69	92.36			0.44	101.33			1.42	96.22	0.88	95.71
2030	15-Jul-20	77,884			1.47	103.10					0.70	101.69			0.26	96.46			1.46	99.06	2.53	103.02
2031	10-Jul-20	56,827			0.93	108.07					0.76	98.06			0.75	102.24			0.93	106.03	1.54	107.08
2032	22-Jul-20	34,831			1.36	97.22					0.78	96.85			0.38	94.09			1.39	93.33	1.71	95.88
2033	22-Jul-20	55,443			1.73	94.89					0.54	99.35			0.24	93.10			1.71	91.84	2.23	100.06
2034	29-Jul-20	30,741			0.93	103.64					0.65	99.29			0.51	100.47			0.76	103.35	1.05	103.94
2035	29-Jul-20	31,644			0.93	103.64					0.65	99.29			0.51	100.47			0.76	103.35	1.05	103.94
2036	07-Aug-20	66,722			1.19	100.96					0.72	100.42			0.26	95.45			1.34	99.96	1.79	104.59
2037	12-Aug-20	26,789			0.51	105.84					0.51	93.55			0.50	94.30			0.68	102.40	0.69	104.96
2038	12-Aug-20	18,965			0.43	102.60					0.43	95.17			0.13	94.89			0.40	99.85	0.85	104.37
2039	21-Aug-20	86,305			1.55	93.77					0.76	96.62			0.55	96.62			1.83	93.33	2.65	100.57
2040	04-Sep-20	50,134			1.00	95.36					0.43	94.09			0.26	99.63			1.05	94.09	1.46	94.20
2041	26-Aug-20	52,271			1.29	99.52					0.87	100.27			0.34	102.91			1.78	98.45	2.30	100.96
2042	04-Sep-20	35,220			1.13	99.57					0.55	95.17			0.23	105.40			1.68	97.08	1.72	103.28
2043	09-Sep-20	66,542			1.47	97.72					0.76	100.57			0.39	92.23			1.48	92.36	2.62	98.75
2044	18-Sep-20	60,270			1.17	97.72					0.76	100.57			0.39	92.23			1.48	92.36	2.62	98.75
2045	23-Sep-20	65,871			1.26	97.51					0.62	104.40			0.21	96.85			1.29	93.77	1.19	103.35
2046	02-Oct-20	31,138			1.92	103.35					1.27	101.15			0.42	96.93			1.39	109.15	2.86	101.29
2047	02-Oct-20	32,010			1.92	103.35					1.27	101.15			0.42	96.93			1.39	109.15	2.86	101.29
2048	09-Oct-20	20,746			0.89	100.11					0.50	101.38			0.33	96.64			0.95	99.06	1.76	103.67
2049	09-Oct-20	33,304			0.89	95.88					0.83	99.12			0.31	94.99			1.44	95.45	1.63	99.68
2050	16-Oct-20	38,178			1.11	104.53					0.83	99.46			0.26	101.42			1.43	101.78	1.27	102.95
2051	30-Oct-20	53,278			1.03	98.82					0.61	100.11			0.28	94.89			1.19	93.44	1.34	101.38
2052	16-Nov-20	51,818			2.02	100.37					1.00	101.60			0.27	109.69			1.86	96.93	4.41	100.37
2053	25-Nov-20	42,465			2.50	100.00					0.86	99.46			0.53	99.68			2.25	98.88	4.19	103.57
2054	04-Dec-20	25,242			1.08	107.20					0.64	102.80			0.67	97.30			1.15	103.60	0.88	106.30
2055	16-Dec-20	67,367			1.80	105.17					0.79	103.10			0.23	101.24			1.49	101.01	2.61	105.14
2056	18-Dec-20	37,232			1.24	98.70					0.59	101.60			0.32	102.20			1.00	98.74	2.21	99.74



Blast Monitoring Results 2021

SHOT no.	Comments			15 Sandford Close		Quarry Gate Slab		15 Battersby Way		9 Reservoir Crescent		16 Somerset Court	
	Date	Estimated Tonnes		VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba	VIBRATION mm/s	AIR BLAST dba
2057	13-Jan-21	23,312		1.20	102.36	0.38	99.96	0.24	98.06	1.99	97.51	2.23	104.11
2101	15-Jan-21	44,426		1.57	100.77	0.73	105.40	0.34	106.81	2.29	98.88	3.15	103.49
2102	20-Jan-21	24,752		2.10	96.93	1.03	97.65	0.45	97.72	1.82	96.54	3.35	98.19
2103	29-Jan-21	42,898		1.32	101.56	0.49	96.30	0.30	98.76	2.10	99.52	2.15	103.81
2104	05-Feb-21	34,559		1.54	102.44	0.76	99.41	0.24	101.99	1.26	104.21	2.42	102.28
2105	11-Feb-21	27,359		1.30	100.01	0.43	97.44	0.31	97.44	1.65	102.24	1.83	100.72

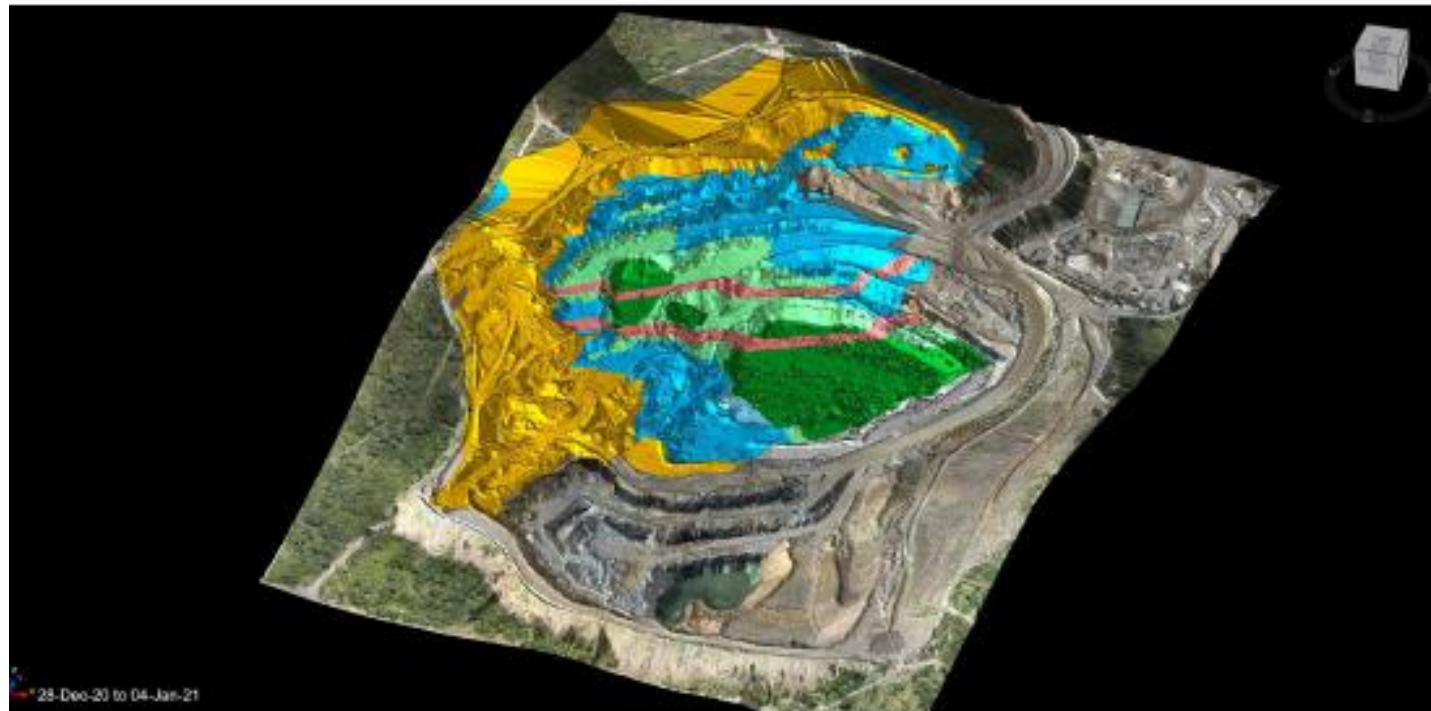


Blasting Videos





Current Quarry Development Plan







Asphalt Maintenance Sun 21/2/21

Internal asphalt maintenance to occur on Sunday 21/2/21 from 9am.

Trucks and vehicles necessary to bring in Green Roads asphalt and complete this work will enter and exit via the Wellington Road gate.

Consultation & Permission:

- Earth Resources Regulation and Knox City Council have confirmed these works fall under existing regulatory permissions.
- Courtesy notification to appear on Lysterfield page of Hanson website.

Seasonal Timing:

- Well before winter so the community and environmental impacts of drag out can be minimised.

Maintenance Work Timing:

- The work needs to occur on a Sunday to avoid disrupting supply to Victoria's Big Build.
- Work will not commence until 9am.
- The works will run on the Friday, Saturday and Sunday as per the map above.
- Only asphalt laying will occur on the Sunday, thus reducing noise emissions. All cutting and profiling will occur on the Friday and Saturday.
- Quarry, crushers and loaders not operating, no quarry products dispatched from the site on the Sunday.

Benefits include:

- Maintaining internal road safety.
- Maintaining dust mitigation.
- Maintaining mitigation of drag out of mud and gravel on to Wellington Road.
- 'Green Roads' Asphalt contains 15% recycled glass bottles and 15% recycled asphalt.

Hanson Lysterfield Quarry Rehabilitation Progress

February 2021





Eastern Face Rehabilitation





2017 View of Eastern Face from Quarry





Progressive Rehabilitation – National Park View





Eastern Face Rehabilitation View Feb 2021



Next area of
progressive
rehabilitation

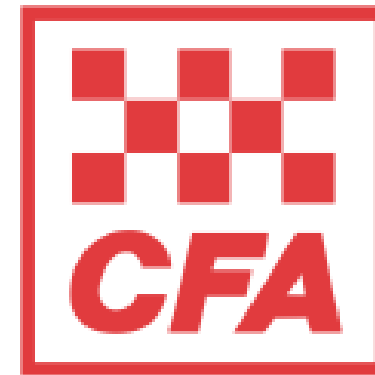
Recent planting
and spraying of
weeds



CFA Cooperation

Introduced with local CFA Captain Cien Pereira to discuss:

- Controlled burn offs in the quarry for fire hazards
- Training for new and existing recruits
 - Extinguishing fires
 - Managing and controlling burn offs
- 4WD drive training for loaded fire trucks
- Access to resources in the event of an emergency
- Donation of a Phillips Heart Start FRX AED to the CRG for donation to Rowville CFA





CFA Cooperation – Water Cart Fast-Fill Upgrade

Water cart pump fast-fill upgrade

- Aiming for 5,000 litres per minute fill time
- Ability to fill our 50,000 litre Water Cart in 10 minutes
- Increase our capacity to maintain dust suppression in summer
- Provide assistance to fill CFA trucks from new fast-fill standpipe or from mobile water cart



Frequent Dust Suppression



Nest Box Program



Nest Box Program





Wildlife Sighting



Questions?



Lachie McRae

Lysterfield Quarry Manager

P: 03 9274 3700

M: 0428 917 538

E: Lachlan.McRae@hanson.com.au



Premier's Sustainability Awards



Alex Fraser - Premier's Sustainability Awards 2020 winner - Large Business



Premier's
Sustainability
Awards

Watch later

PREMIER'S SUSTAINABILITY AWARDS



Sustainability
Victoria





Alex Fraser & Hanson



**Stone from
Hanson Lysterfield
Quarry**





2020 Premier's Sustainability Awards Winner – Large Business



Hanson

Source: Victorian Government: <https://www.sustainabilityawards.vic.gov.au/Past-Winners/Winners-2020/Large-Business>



2020 Premier's Sustainability Awards Winner – Large Business



Alex Fraser - Premier's Sustainability Awards 2020 winner - Large Business



Watch later

**RECYCLED OVER
1 BILLION
GLASS BOTTLES**

Over 1 billion bottles recycled in 2020

Hanson

Source: Victorian Government: <https://www.sustainabilityawards.vic.gov.au/Past-Winners/Winners-2020/Large-Business>



2020 Premier's Sustainability Awards Winner – Large Business



Source: Victorian Government: <https://www.sustainabilityawards.vic.gov.au/Past-Winners/Winners-2020/Large-Business>



Keep Victoria Beautiful & Hanson

“Glass Mountain” Recycling Tour.

- December 2020
- Keep Victoria Beautiful
 - CEO
 - 4 Program Managers
- Hosted by:
 - Rob Francis
 - Brendan Liveris



Source: LinkedIn <https://www.linkedin.com/in/sabina-wills-94112438/detail/recent-activity/shares/> Photo: Rob Francis

Questions?



Rob Francis

*Project Development Manager,
Hanson*

P: 03 9274 3700

M: 0407 530 262

E: robert.francis@hanson.com.au