Hanson Lysterfield Quarry
Community Reference Group

MINUTES OF MEETING

Meeting No.:	**18**	**Status of Minutes:**	**APPROVED**
Date:	18 July 2019	**Time:**	6:00pm
Location:	The Anderson Room, Waverley Golf Club, 82 Bergins Road, Rowville		
Minutes Confirmed:	Approved by consensus		

Chairman:	Brian Oates (BO)

Present:

Members:	Wendy Belli (WB) Alan Birchall (AB) Virginia Bright (VB) Clayton Collins (CC) Trevor Harley (TH) Shane Logan (SL) Sally Orr (SO)
Presenters/ Observers:	Rob Francis, Hanson (RF) Andrew Ritchie, Hanson (AR) Garrett Hall, Golder, Hanson consultant (GH) Lyndel Hunter, Hanson consultant (LH)

Item	Issue
1	**Welcome** Apologies received from: John Farrar Paul Lees Gina Mastromano Susan Pearce Bruce Webster (AR to present Operational Report) Absent: Trudi Dicker Darren Heathcote Alice McKenzie Emma Pearce Monica Varcoe LH read email from Gina Mastromano offering to resign. Members requested LH contact Gina and let her know her contribution is still welcome, however her resignation is understood.

2	**Minutes of previous meeting** LH advised that TH had been incorrectly listed as absent although he was present. Minutes of Meeting 17, with TH's presence correctly recorded, were carried by consensus. **Action Tracker** BO reported that he had received a response from VicRoads relevant to the letter sent by CRG to the new Minister for Roads on 8 April 2019. The VicRoads response misconstrues the original CRG representations to previous Ministers and VicRoads. BO provided picture of traffic signal warning lights in place at the junction of Westernport Highway, Moreton Bay Boulevarde and Portlink Drive in Lyndhurst. GH suggested alternative solution of extending length of 'amber' light. PD recommended that Hanson utilise Ministerial connections to espouse 'struggle'. Bureaucracy is not accepting that there is a problem. AR advised that, in additional to the Driver's Code of Conduct, the technical equipment on Hanson trucks provides data that checks driver's speed and can warn drivers and deaccelerate a vehicle. AR suggested all past correspondence be forwarded to VicRoads to clarify situation. **Actions:** · BO to contact Mr Dev Vagel, VicRoads Team Leader, Transport Vehicular Movement to discuss. · Hanson to approach Minister for Resources. **Issue:** *Photo to be taken at next CRG meeting. LH to advise members*. LH had advised members via email prior to meeting. Photos will be taken throughout the evening. No objections to photos being taken for use in CRG and Hanson publications were received. **Issue:** *LH to encourage attendance of Meeting #18 via distribution of Agenda.* This was undertaken. **Issue:** *Members to discuss Clause 5.2 of Terms of Reference*. Following discussion, it was agreed that LH would contact all members who have not attended the past few meetings to better clarify their status as members of the CRG. **Issue:** *Environmental monitoring regulatory limits in future Operational Reports*. This is now included in all future Operational Reports (Item 7a). **Issue:** *Hanson to provide a cross-sectional view of the quarry* Will be presented in Item 6. **Issue:** *Hanson to provide current Lysterfield Quarry rehabilitation plan* Will be presented in Item 6. **Issue:** *Hanson to provide presentations to CRG by Rob Crundwell (Victorian Drag Boat Club), KIOSC students and Virginia Bright* Will be presented in Item 5. **Issue:** *Hanson to provide information on flora / fauna management, how an Environmental Management Plan (EMP) is developed and managed* Hanson Environmental Manager to present at Meeting #19. **Issue:** *Hanson to provide information on how a Cultural Heritage Management Plan (CHMP) is developed and managed*

	Will be presented in Item 6. **Issue:** *Hanson to provide further information regarding final shape of the land*. Will be presented in Item 6.
3	**Discussion: Attendance responsibility re ToR Clause 5.2** This issue was discussed during previous Item and it was agreed that LH would contact all members who have not attended the past few meetings to better clarify their status as members of the CRG. To facilitate more regular attendance, SL suggested Hanson consider conducting some meetings be livestreamed or conducted as a webinar. It was agreed that this process may also attract new members. **Actions:** · LH to contact absent members and discuss membership status. · LH to query Hanson as to feasibility of livestreaming CRG meetings.
4	**Presentation: State Government requirements of a Quarry Rehabilitation Plan** Garrett Hall Golder *(For full information, refer to* **APPENDIX A** *attached)* Key elements of the existing rehabilitation plan include: · Quarry pit lake · Residential development · Rural residential lots · Commercial parkland · Passive parkland. ERR rehabilitation requirements of specific details to be shown on a plan include: · Northing direction, legend, bar scale, date of/revision of drawing · Representative cross sections · Boundaries and final pit area and design · Conceptual slope configuration · Proposed general final rehabilitated landform · Salient features of the land following rehabilitation (eg revegetated areas, pit faces, roads, drainage lines and water bodies) · Conceptual progressive rehabilitation / staging · The general progress of rehabilitation over time · Plant and equipment, buildings, roads, hardstand, etc to be removed or retained. ERR rehabilitation requirements of expected end uses and general characteristics include: · Future land uses that do not depend on the need to obtain a planning permit for its use. · The capability/suitability of the land. · The possible end land use (provide a conceptual statement on final landform based on all available geological, geochemical and biological information). · Conceptual slope configuration · Conceptual rehabilitation of waste dumps, stockpiles, water storages and slimes dam facilities · Surface water management for runoff control and erosion prevention · The nature of soils and overburden/waste rock to be used in rehabilitation

	· Evidence that there is sufficient suitable material available to complete the proposed final landform · Any constraints on final land use (e.g. regulatory, physical, agreements with private landowners) · Overview of proposed action to confirm the rehabilitation strategy with relevant stakeholders ERR's expectations for progressive rehabilitation include: · How a progressive rehabilitation strategy will deliver the final landform/land use outcomes. · How progressive landscaping will be undertaken so that visual impact is minimised. · The timeframe between establishing terminal slope and commencing progressive rehabilitation. · The constraints that may limit progressive rehabilitation works. · The approach to undertaking progressive rehabilitation. · Monitoring and reporting arrangements. · Process for review and improvement of the Rehabilitation Plan. GH advised that Hanson's focus is on establishing a safe and stable landform that provides flexibility in the range of potential land use outcomes that can meet future social, environmental and commercial needs. After the presentation, the following was queried / noted: · GG advised that ERR had received "more than 20 objections" to the removal of the Public Acquisition Overlay. · DP commented that the last thing the area needs is a lake. The risk / mitigation challenges for a lake are too hard. KCC is short of 20 local sporting grounds, therefore, the preference is for the final shape to be a flat area. · GH advised that Hanson was not proposing a pit lake. However, the depth of the pit reaches below groundwater. Backfilling of hole is too expensive and trucks will be required to bring material in. The lake can be shaped as a recreational space with a lake shore. The hydro assessment has commenced and that will advise how much water will need to be dealt with. · PD queried if, apart from water, were there any issues? GH advised that the cliffs would need shapi8ng. Overburden will be used and backfill from other sources may be required. · PD queried if the rehabilitation plan was being impacted by Boral. GH advised that is dependent upon which quarry is deeper. BO queried if the quarry could be converted to landfill? GH advised no. Victorian legislation will not allow it. If filling is required, cleanfill will be used.
5	**Presentation: Prior community presentations to CRG** *(refer to* **APPENDIX B** *attached)* LH provided copies of excerpts from previous meetings at which KIOSC and CRG members had presented concepts for final use of the quarry. These included: · Meeting 4, 5 October 2016, page 3 Daniel Fyfe presented KIOSC concepts for education facility and recreational park. *(Video produced by students also shown*). · Meeting 5, 23 November 2016, page 3

	Rob Crundwell (former CRG member) presented concept for lake offering opportunity for water safety courses and practice. · Meeting 6, 1 February 2017, page 3 Virginia Bright presented concept for expanded facilities at the Hillview Equestrian Centre.
6	**Discussion: Project Update** *Including presentation of existing rehabilitation plan and ERR requirements of new plan.* Robert Francis, Hanson *(refer to* **APPENDIX C** *attached)* · The Public Acquisition Overlay documentation is progressing through DELWP · The current phase of the application process is that Hanson is continuing to finalise the required technical studies in preparation of Work Plan lodgement · Specialist studies underway include: – Air quality •Zero respirable silica detected •PM10& PM2.5well below thresholds – Geotechnical •Report preparation underway – Flora •Field work complete •Vegetation offsets will be required – Fauna •Field work complete – Noise •Field work complete – Vibration · Commencing soon: – Groundwater – Surface water · Other assessments: – Aboriginal heritage – Buffer distances – Community facilities – European heritage – Fire safety – Fly rock – Future use and rehabilitation – Landscape and visual amenity – Public safety – Public infrastructure – State and national parks & crown land – Security – Traffic · Aboriginal Cultural Heritage – Aboriginal Victoria (AV) is the relevant authority

	– Areas of cultural heritage sensitivity are mapped on the Aboriginal Victoria Cultural Heritage Information System (ACHRIS) – Aboriginal Victoria confirmed the following: • ACHRIS does not identify any areas of cultural heritage sensitivity on the Hanson Lysterfield Quarry land. • The then Dept of Primary Industries considered that a Cultural Heritage Management Plan (CHPM) is not required. • No further assessment is necessary for the proposed quarry extension. · Overburden works application – Prefill design is complete – Planning Permit has been lodged – The Arborist Study has identified the requirement for the fill placement plant to be adjusted to avoid trees where possible, that seven large trees need to be removed and that vegetation offsets are required. – Currently, Council assessment is being undertaken and the Equestrian Relocation Plan is being developed. After the presentation, the following was queried / noted: · SO queried that there was no Aboriginal group associated with the site, eg Bunurong or Wurundjeri · PD advised that KCC was about to move to public exhibition period of Planning Permit application process. It should be complete by next CRG meeting. Information will be available on the KCC website. · WB queried PD as to what notices have been provided to the community. PD advised that letters had been sent to neighbours and advertising will be undertaken in the Public Notices of local paper. · Council will be discussing safety concerns that may be an issue if a 'yellow board' is erected on site boundary. · PD advised that community submissions can be received for no less than 14 days from advertising. · PD advised that past experience indicates that the application is likely to be contested and that there are some strong viewpoints amongst the community. **Actions:** · PD to advise LH of KCC advertising. · LH to provide CRG members with information via email
7	**Other Business** **7.a Operational Report** *(refer to* **APPENDIX D** *attached)* AR reported: · Aerial map of dust monitoring gauge locations · Year to Date and May 2019 dust monitoring reports · Wind and weather data indicated that March and May 2019 were average, while January, February and April were one third of the average. · Most dust readings are well down on prior months, excluding the 'Park' gauge, which is close to fire break and active quarry face. · Rehabilitation and tree planting during May may have also contributed.

- Tree planting on the upper batter is now complete.
- Middle batter shaping and progressive rehabilitation are underway.
- Environmental monitoring indicates Hanson is below vibration and air blast requirements.
- Videos of last blast was shown.
- Truck wheel wash is now operating.
- Image of granite pit development of RL 120 and RL 90 for concrete aggregate production was shown.

After the presentation, the following was queried / noted:

- SL reported that the dust on Wellington Road was the worst it has ever been.
- Discussion indicated it was worse outside Boral entrance than Hanson's entrance.
- WB reported that dust around her property had increased – 'glittering' dust on black vehicle. AR agreed to investigate dust at property.
- TH reported dust around Wellington Shopping Village Centre.
- RF encouraged reports and / or photos of dust issues.
- WB reported she had webcam footage of dust on Wellington Road (this footage was later viewed by RF and AR)
- AR advised that he would review dust monitoring reports to assess source of dust.
- WB queried whether kangaroos ruin the new plants in the rehabilitation program. AR advised that they are still there, but are fewer. There is little feed around the new planting.
- Following discussion, CRG members suggested that the blasting video should last (say five seconds) longer to assess dust movement.
- AB queried what local residents felt most – vibration or air pressure from blasting. GH advised that air pressure is what would be most experienced and that the greatest vibration would be felt in front of the blast. All current blasting is undertaken away from residents.
- WB noticed in photo of wheel wash that the water is hitting the wheel, but not the mud flap. That is where mud stores and is potentially what is mucking up the road.
- WB queried the route and timetable of water trucks cleaning Wellington Road. AR advised he will present at next meeting.

Action:

- AR to investigate dust at WB residence.
- AR to review dust monitoring reports to assess source of dust
- AR to advise route and timetable of water trucks cleaning Wellington Road

7.b Questions and Answers

There were no further questions from CRG members.

LH reported that Daniel Salmon, Senior Advisor, Stakeholder Engagement, ERR, had offered to attend the next CRG meeting to provide information on ERR expectations of community engagement. CRG members requested LH confirm.

LH advised that next meeting would include a segment on development of CRG Newsletter Issue #3. Topics to be reported / written about need to be collated. It is hoped that a draft could be presented at Meeting #20 (16.10.19) and the final version available for distribution at Meeting #21 (04.12.19). Members need to have thought about topics for discussion at next meeting.

	Following discussion, it was agreed that LH should investigate costs and potential for Hanson's support of CRG Newsletter Issue #3 being more widely distributed to Rowville / Lysterfield community via letterbox drop or insert in Knox Leader and Rowville-Lysterfield Community News. **Action:** · LH to invite ERR representative, Daniel Salmon, to present at Meeting #19 on 04.09.19. · All members to consider topics to be reported / written about in CRG Newsletter Issue #3 · LH to investigate costs and Hanson's support of wider distribution of CRG Newsletter.

Meeting Closed:	8:30pm
Next Meeting:	Meeting **19** Wednesday **04 September 2019** at **6:00pm**

Hanson Lysterfield Quarry
Community Reference Group

MINUTES OF MEETING

ACTION SUMMARY

Item	Issue	Action	By
2	Mr Dev Vagel, VicRoads Team Leader, Transport Vehicular Movement to be contacted for discussion	BO	04.09.19
2	Hanson to approach Minister for Resources re Wellington Road issue	RF	04.09.19
3	All members who have not attended the past few meetings to be contacted to better clarify their status as members of the CRG	LH	04.09.19
3	Potential for future CRG meetings to be livestreamed to be investigated with Hanson	LH	04.09.19
6	PD to advise LH of KCC advertising.	PD	When available
6	LH to provide CRG members with information via email	LH	When available
7a	Dust at property of W Belli to be investigated	AR	04.09.19
7a	Hanson to review dust monitoring reports to assess source of dust	AR	04.09.19
7a	AR to advise route and timetable of water trucks cleaning Wellington Road	AR	04.09.19
7b	ERR representative, Daniel Salmon, to be invited to present at Meeting #19 on 04.09.19	LH	asap
7b	Topics to be reported / written about in CRG Newsletter Issue #3	All CRG members	04.09.19
7b	Costs and Hanson's support of wider distribution of CRG Newsletter to be investigated	LH	04.09.19

Hanson Lysterfield Quarry

CRG PRESENTATION – ERR REQUIREMENTS FOR QUARRY REHABILITATION

17 July 2019

GOLDER

Existing Rehabilitation Plan

WORK AUTHORITY 385

Key elements of the existing plan include:

- Quarry Pit Lake
- Residential
- Rural Residential Lots
- Commercial Parkland
- Passive Parkland

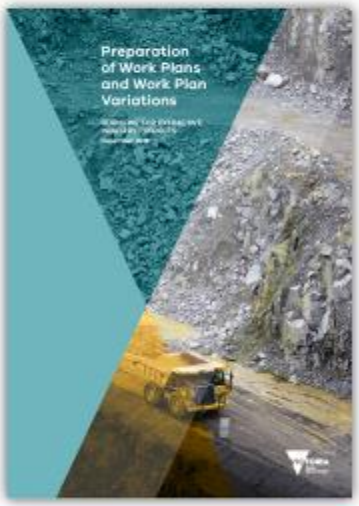
GOLDER

2

ERR Rehabilitation Requirements

SPECIFIC DETAILS TO BE SHOWN ON PLAN

- Northing direction, legend, bar scale, date of/revision of drawing
- Representative cross sections
- Boundaries and final pit area and design
- Conceptual slope configuration
- Proposed general final rehabilitated landform
- Salient features of the land following rehabilitation (e.g. revegetated areas, pit faces, roads, drainage lines and water bodies).
- Conceptual progressive rehabilitation/staging
- The general progress of rehabilitation over time
- Plant and equipment, buildings, roads, hardstand, etc., to be removed or retained.

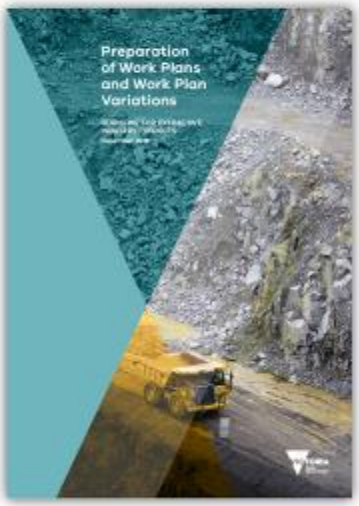


GOLDER 3

ERR Rehabilitation Requirements

EXPECTED END USES AND GENERAL CHARACTERISTICS

- Future land uses that do not depend on the need to obtain a planning permit for its use.
- The capability/suitability of the land.
- The possible end land use (provide a conceptual statement on final landform based on all available geological, geochemical and biological information).
- Conceptual slope configuration
- Conceptual rehabilitation of waste dumps, stockpiles, water storages and slimes dam facilities

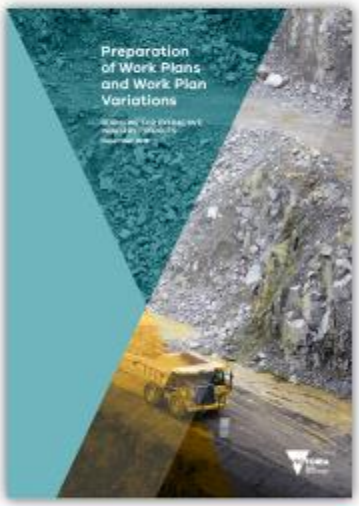


GOLDER 4

ERR Rehabilitation Requirements

EXPECTED END USES AND GENERAL CHARACTERISTICS

- Surface water management for runoff control and erosion prevention
- The nature of soils and overburden/waste rock to be used in rehabilitation
- Evidence that there is sufficient suitable material available to complete the proposed final landform
- Any constraints on final land use (e.g. regulatory, physical, agreements with private landowners)
- Overview of proposed action to confirm the rehabilitation strategy with relevant stakeholders.



GOLDER 5

ERR Rehabilitation Requirements

EXPECTATIONS FOR PROGRESSIVE REHABILITATION

- How a progressive rehabilitation strategy will deliver the final landform/land use outcomes.
- How progressive landscaping will be undertaken so that visual impact is minimised.
- The timeframe between establishing terminal slope and commencing progressive rehabilitation.
- The constraints that may limit progressive rehabilitation works.
- The approach to undertaking progressive rehabilitation.
- Monitoring and reporting arrangements.
- Process for review and improvement of the Rehabilitation Plan.

GOLDER 6

The focus is on establishing a safe and stable landform that provides flexibility in the range of potential land use outcomes that can meet future social, environmental and commercial needs

GOLDER

EXCERPT FROM MINUTES MEETING 4
5 October 2016
Page 3

Item 3
Presentation: Rehabilitation Plan
Daniel Fyfe, Development Manager, Hanson
(refer to presentation attached)

. . . . . KCC suggested Hanson involve KIOSC students in rehabilitation plan project. DF outlined project which involved seven Rowville Secondary College students. In addition to Hanson staff, two consultants were contracted to assist the students.

The students were provided with an outline brief (Attachment A) and a site tour of the facility. They then had four days to develop a rehabilitation plan. The students developed two plans (Attachment B), including a University and Housing Plan and a Recreational Sporting Area Plan.

During discussion, the following issues were raised:

- *Will the hole remain? How would the hole be filled if waste is not allowed?*
  DF advised that the Rehabilitation Plan will ensure the site is rehabilitated to an agreed and regulated outcome. At the very least, the site must be left 'safe and stable', with walls battered down, holes filled and trees planted. DF also advised that clean backfill is available locally from Officer and Pakenham.
- *Can Boral provide by-product for fill?*
  It would need to be commercially viable to do so.
- *To what level is Hanson locked in to rehabilitating the site?*
  DF advised that a State Government bond (bank guarantee) based on the current plan is held to cover rehabilitation. The bond is sufficient to cover works outlined in the plan and is regularly reviewed by the State Government.
- *Progressive rehabilitation*
  Hanson's preferences is to undertake progressive rehabilitation as waiting until the end increases costs. This process is being conducted across many Hanson sites and
  BW's preference is to conduct progressive rehabilitation at Lysterfield.
- *Would KCC support or partner in a project?*
  PD advised that, although KCC is not necessarily wanting to take on responsibility for rehabilitation projects, should the community present a concept, KCC would consider the operational and maintenance budget.
- *Next steps in development of rehabilitation plan*
  CRG members to present and discuss options.

Hanson to present final options to CRG prior to submission of plan.

Source: https://www.hanson.com.au/media/6303/minutes-mtg-04-october-2016.pdf

Members:
Wendy Belli (WB)
Virginia Bright (VB)
Trudi Dicker (TD)
Trevor Harley (TH)
Andrew Katopodis (AK)
Paul Lees
Shane Logan (SL)
Gina Mastromanno (GM)
Sally Orr (SO)
Doug Smith (DS)

KIOSC STUDENT PROJECT BRIEF

Background

Hanson is a company dedicated to continuously reducing the environmental impact of our production techniques and increasing the effectiveness and value to the community of our rehabilitation programs.
As a responsible corporate citizen and local community partner, we are committed to developing comprehensive land-use plans for the buffers, non-workable and workable areas of the Lysterfield Quarry over the time horizon the site (Operation Phase and Post Closure).
The Quarry has a total area of 162.1 hectares and is expected to continue extraction for a further 30 years.

Project Brief

Your brief is to develop two (2) plans for the whole site.
An Operating Phase Plan showing the potential uses of the front properties during the operational life of the quarry to add value to the community immediately and;
A Post Closure (Rehabilitation / Redevelopment) Plan showing ultimate end-use options which may consist of high and low density housing, community infrastructure, active /recreational and passive parkland.
You will need to consider the following:

- Topographical, geological and hydrogeological (groundwater) data which will affect the redevelopment
- Re-introduction of flora and fauna and the creation of sustainable habitats and eco-systems that assimilate with the surrounding developed areas
- Regulatory, technical, economic (cost) and environmental constraints (including noise)relevant to the site and redevelopment plan
- Impact on key current and future stakeholders including consideration of local community and the government expectations.
- Timeframes for implementation (What can commence now and what must wait for the end of the operational period.)

Deliverables

Your Plan will consist of a 1000 to 1500 word report and two conceptual drawings and supporting aerial photographs (in a PowerPoint Format) which address the following:

- Description of the location, purpose and features of the site whilst in Operation and Post Closure
- Summary of the benefits and drawbacks
- Estimated timeframes for completion of works
- Plan for community feedback / consultation.

Assistance

Students will have access to business experts / mentors who can assist them in their planning namely:

- Michael Gerner, Senior Planning Golder Associates for Planning
- Craig Banthorpe, Metropolitan Quarry Manager, Hanson Construction Materials for Geology and Quarry Operation
- Daniel Fyfe, Development Manager, Hanson Construction Materials for Environmental Studies and Regulatory compliance information.
- Lyndel Hunter for Stakeholder Engagement and Community issues.

Presentation

- Students will make a short presentation to Hanson at the end of the week and

- Students will be invited to present their work in a PowerPoint format to the Hanson Lysterfield Quarry Community Reference Group at the Rowville Secondary College at a date to be set.

Hanson Rehabilitation Plan

By Cathy, Jagnoor, Matt, Mason, Caitlin, Mabel and Jordan

Location/ Background

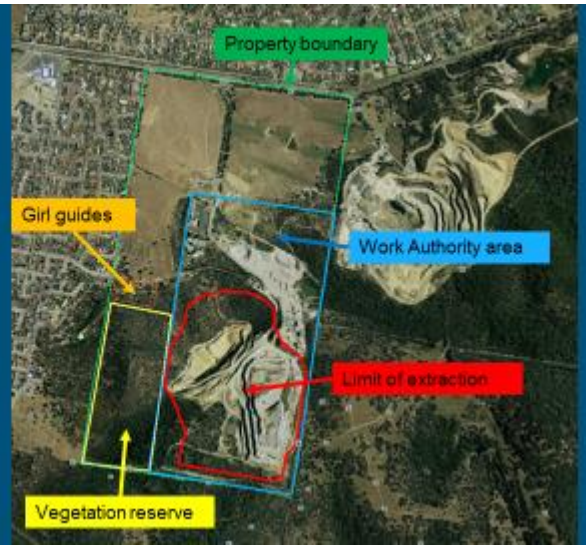
Site Address: Hanson Quarry, 1140 Wellington Road, Rowville

Hanson is a dedicated company that works towards the reduction of environmental impact of production techniques and the increased effectiveness and value of rehabilitation programs to the community.

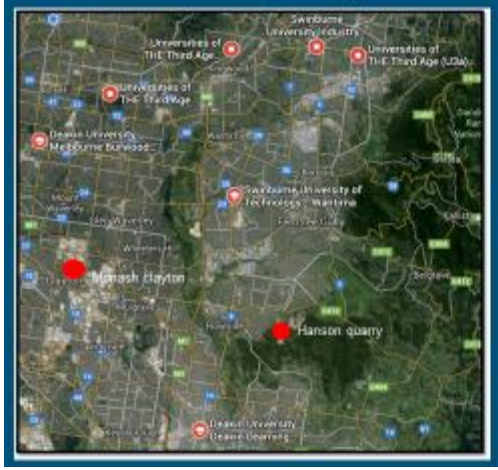
As Hanson is a responsible corporate citizen and a local community partner they are dedicated developing complex plans for the land use for non workable and workable areas of lysterfield quarry.

The size of the quarry is a total of 162.1 hectares

Current quarry site layout



Hanson's Quarry University Re-design



Currently there are very few Universities in South-East Victoria.

There is a huge gap between Swinburne University and Deakin University.

The University will also be close to some main roads.

University and Housing

Hanson's Quarry University Re-design

Currently there are very few Universities in South-East Victoria.

There is a huge gap between Swinburne University and Deakin University.

The University will also be close to some main roads.

Benefits of a university

-Government funding

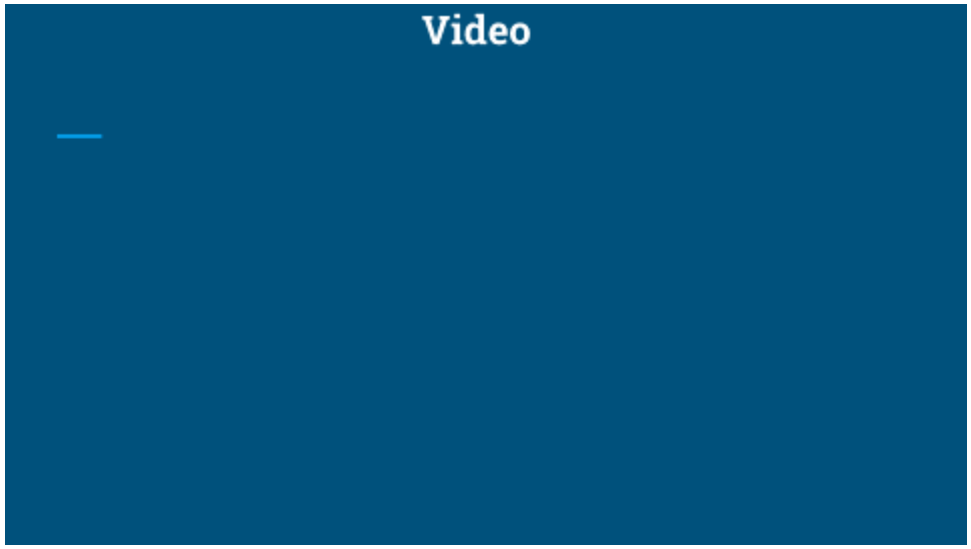
-High demand for universities

-Education

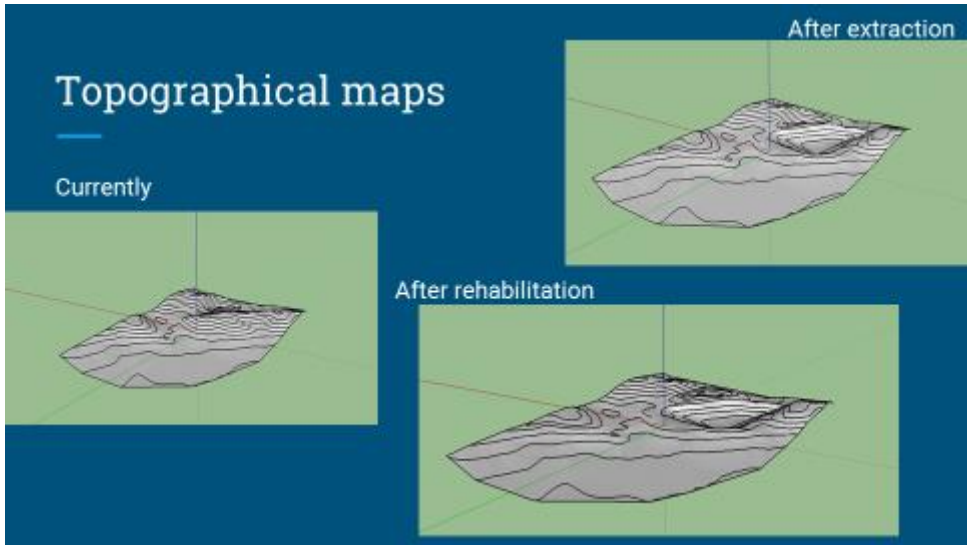
-Profit

-Provides employment opportunities

Maps
University
Apartments
Park
Lake
Scouts
Walking tracks
University
Apartments
Park
Lakes


Video

Google


Topographical maps
Currently
After extraction
After rehabilitation

Operational Phase Plan

(Short term uses)

- Residential area (Lot 2)
- University (lot 1)
- Carpark (Lot 2)

Post Closure Plan

Long term uses

- Lake (Lot 3)
- Walking tracks (Lots 3 & 4)
- Picnic/barbecue area
- Extend university if wanted
- The smaller of the holes, an area of 750 000 cubic metres, will be filled using clean fill, costing approximately $7.5 million

Constraints

- Cost of implementation
- Disturbance of forest areas
- Noise disruptions from construction
- Road congestion

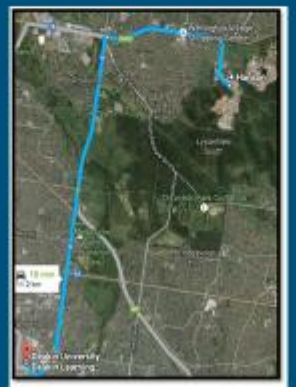
Flora and fauna

- The forest area in lot 4 will be left undisturbed, allowing the trees and animals to remain as they currently are
- Girl Scouts area will be relocated into this area (lot 4)
- The lower half of lot 1 is currently a hill, and would need to be removed for the university to be built

Swinburne (Wantirna)
Distance from Hanson is 9.5km.
Journey is 13 minutes.

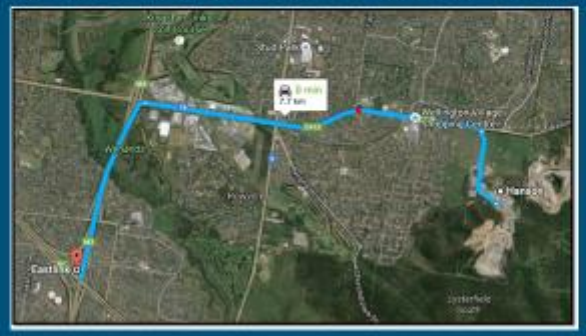
Deakin
The distance from Hanson is 11.2km.
Journey is 16 minutes.

Monash (Clayton)
The distance from Hanson is 12.2km.
Journey is 15-20 minutes.



Access to the M1 Freeway

Easy access to the M1 Freeway which leads to the city and much more, approximately only 9 minutes away by car or bus.



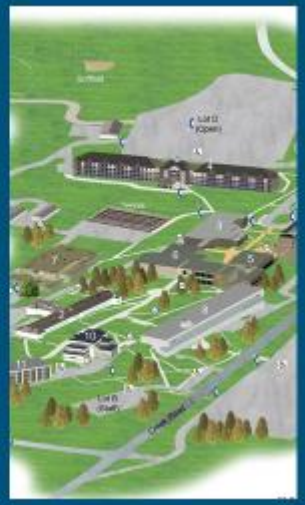
Dutchess College Apartment Concept

465 Bed Building, 4 Stories and 240 Rooms.

The Apartment Buildings/Surrounding Facilities will cost $12.6 Million Dollars.

The land needed to build the Apartment Building/Surrounding Facilities will take up 126,000 Square Meters (12.6 Hectares).

Remaining land will be available for extensions on the university or could be left for wildlife.



Apartment Designs

6 Bedroom Suite

This is a 6 Bedroom Suite, It will allow 3-6 people per apartment and they will share 2 bathrooms, 1 living room and 1 kitchen.

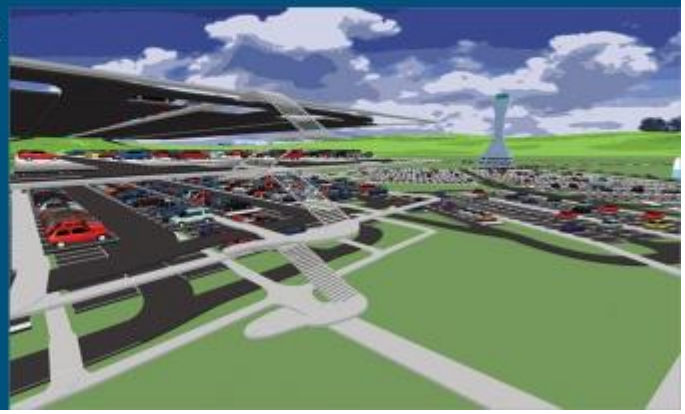
4 Bedroom Suite

This is a 4 Bedroom Suite, It will allow 2-4 people per apartment and they will share 2 bathrooms, 1 living room and 1 kitchen.

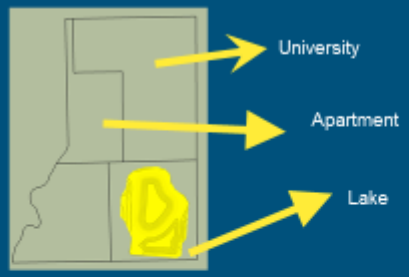
Parking Lot Designs

The Parking Lot will park 1000 cars in 3.2 hectares of land.

The carpark could also be used for alternative parking to Wellington Village.



Costs



University - $220 million

Apartment - $12.6 million

Lake - $13 million

Total cost for the university (without preparing the land) - $245.6 million

Cost for Hanson to clean and prepare the land - $21 million

Total cost for the university including preparing land - $275.6 million

Recreational Sporting Area

Benefits of a recreational sporting area

-Caters to public demand

-Provides a safe means for extreme sports

-Profit

-Provides employment opportunities

- A family area

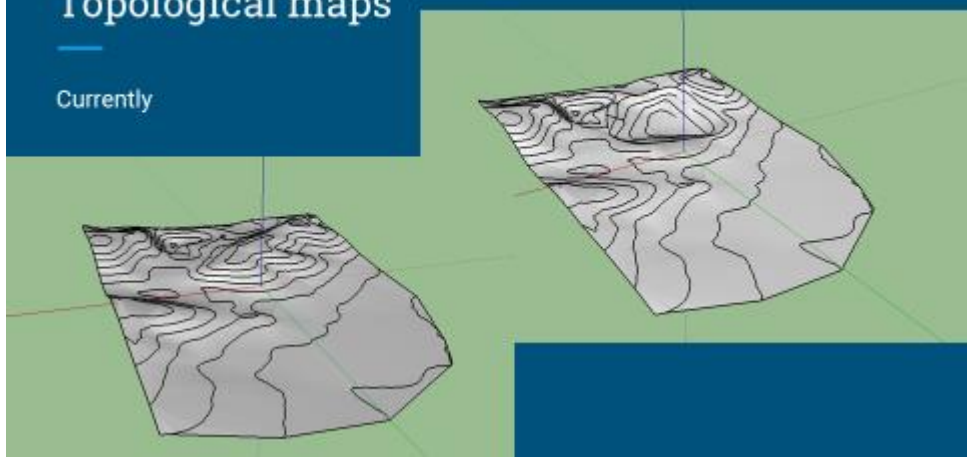
Maps

Video

Topological maps

Currently

After rehabilitation



Operational Phase Plan

-Front Administration

-Go Karting

-Paintball

-Horseriding

-Golf

-Carpark (x2)

Post Closure Plan

-Lake

-Rock wall/abseiling

-Shops, cafe/restaurants and medical centre

-Admin buildings and carparks

-Roads and paths

Constraints

-Noise disturbance

-Road congestion

-Safety considerations

-Ensuring the hole with the rock wall is safe

-Cost of implementation

-Disturbance of forest areas

Flora and fauna

-On the actual quarry site, all flora and fauna will be replaced with activities

-Forest will remain in the smaller area outside of quarry boundaries, and the land designated to the girl scouts will be relocated to this area, as shown to the left.

Costs

Golf course - $15 million

Horse riding - $77,000

Go karting - $5 million

Canoes & Kayaking - $150,000

Paintball - $500,000

Rock wall - $5.3 million

Clear land - $21 million

Walking track -$16,000

Total cost for all activity including land clean - $47 million

LYSTERFIELD QUARRY COMMUNITY REFERENCE GROUP

EXCERPT FROM MINUTES MEETING 5
23 November 2016
(Page 3)

Item 5
CRG issue updates
Presentation: Victorian Drag Boat Club, Rob Crundwell, Vice President

- RC outlined the history of the club and its location at National Waters Sports Centre on Patterson River.
- Comprehensive exhibition of driver equipment including footwear, clothing, PDF, safety jacket, parachute jacket and helmet
- Advised that every bot is scrutinised prior to racing
- 'Rescue 1' includes two divers, a paramedic, a firefighter and a driver
- Described fuels used for boat types
- Advised that waster safety courses are conducted by Maritime Safety Services and Victoria Water Police
- Natural water venues such as Lysterfield Quarry are too risky – rocks, water depth, hidden trees, etc.
- Absolutely no plan to run boats at Lysterfield
- Quarry water facilities would be utilised to increase access and availability of public water safety courses
- For further information, refer to website at www.vdbc.com.au/

Source: https://www.hanson.com.au/media/6304/minutes-mtg-05-november-2016.pdf

LYSTERFIELD QUARRY COMMUNITY REFERENCE GROUP

EXCERPT FROM MINUTES MEETING 6
1 February 2017
Page 3

Item 3
CRG issue updates
Presentation: Hillview Equestrian Centre, Virginia Bright
(refer to presentation attached)

Hillview Agistment Park was established by Oliver Kuhl 20 years ago. Virginia is the lessee / manager of the centre, which is located at the front of the Hanson site.

Post and rail paddocks
- VB advised rehabilitation plan utilised current infrastructure and layout with little change or impact to facility neighbours.
- Fencing upgrades and additional private paddocks will be constructed in stages in partnership with Hanson and in anticipation of approval from KCC
- Facilities, outdoor indoor, wash bay stables
- Current cement and weighbridge sites are well positioned
- Proposal to build two indoor arenas, wash down site, stabling for 100 horses, facility office and amenities.
- Residents' current view and quite atmosphere will be unimpeded as the main hub of the facility is surrounded by natural landscape.

Cross country
- The quarry / cut site perimeter would be transformed into a multi-levelled cross country course with the water portion using one side of the current cut needing only basic battering and the formation of an entry and exit point for riders.
- Course would be designed by accredited builder – approximately six kilometres from start to finish with 24 to 36 obstacles.
- Current landscape could be used to full potential.
- Leaves area of water free to be used by non-motorised water sports.

Pony Club
- Development of the facility would enable opening of a riding school
- Supports those who cannot afford horse and Agistment
- Provides employment and VCAL opportunities for local youth and accredited instructors
- Would cater for Riding for Disabled's needs
- Opportunity for broader community to engage with horses.
- Provides break for youth from social media, peers pressure, school or work stress.
- Huge benefits and break throughs reported by parents and carers.
- Located well between Werribee and Tonimbuk Equestrian Centres and caters well to surrounding pony clubs, Equestrian Victoria and the Horse Riding Association of Victoria clubs.

Indoor spectators, cross country, dressage and show jump
- The Centre needs to generate an income which would be achieved through Agistment, lessons, hosting pony club and HRCAV rallies, events and clinics and stabling of horses during events.
- Events would be open to public, attract spectators and riders, and has the potential to boost sales in local restaurants and businesses.
- Would enhance the equestrian aspect of the area with a positive reflection on surrounding property values.
- Research shows that investment in sports and recreation facilities like equestrian centres increased the media house values and creates a protected green wedge.

- Similar areas such as Park Orchards, Beaconsfield, Harkaway and Wonga Park with establishments such as Balmoral, Oakwood and Warranwood have benefited greatly.
- Our eventual goal would be to host the higher calibre evets such as Grand Prix Shop Jump and
- Dressage and 3 and 4 star Horse Trial qualifiers which consist of dressage, show jump and cross country phases running for two and three consecutive days.

Background and Hillview now

- Background includes 16 years' experience in my own agistment business, building a five star property, Nimokodah Equestrian Centre on the Mornington Peninsula. Previously a failed nursery.
- Held active roles in local pony club, beginning as President and moving to District Commissioner and Zone Representatives.
- Club went from 18 members to land size capacity of 64 with a waiting list.
- During time at Hillview, improvements include addition of private paddocks with loose boxes, construction of new lit areas with surfaces provided by Hanson, float parking area, round yard, day yards, renovated tie up area and agistor lockers.
- Improvements have taken Hillview Agistment Park from a basic needs horse agistment to now being regarded as the local horse facility.

Discussion / questions arising following presentation:

- PL stated that the rehabilitation plan was an excellent idea. Potential to draw in other businesses. Is government funding available?
- VB advised that project would require government grants, private investors and revenue from horse community.
- SL queried if the project could be not-for-profit? If not, could be an issue. Community needs input.
- VB advised that investors would expect a return.
- PD queried if physical landfall would impact plan.
- VB advised that it suits the proposed cross country circuit.
- GM queried impact of walkers on site with dogs.
- VB advised there had been a few instances, mainly with school age children.
- Also, facility neighbours pile lawn clippings on site. Causes colic for horses, very expensive to treat.
- VB sought suggestions from members as to how to manage.
- Ideas include:
  - Letterbox drop to neighbours
  - Media release to local papers
  - Promote the benefits of site including view / access
  - Hanson to erect educational signs and private property / prosecution signs
- GM suggested Hanson replant screening in location of removed trees.

Source: https://www.hanson.com.au/media/6305/minutes-mtg-06-february-2017.pdf

Members:

Wendy Belli (WB)
Virginia Bright (VB)
Clayton Collins (CC)
Trudi Dicker (TD)
Paul Lees (PL)
Shane Logan (SL)
Gina Mastromano (GM)
Doug Smith (DS)

Hillview Equestrian Centre

Facilities

Post and Rail Fencing

Outdoor Arenas

Indoor Arenas

Wash Bays

Stables

Cross Country

Pony Club – EA – Adult Riders

Indoor Arena Spectators

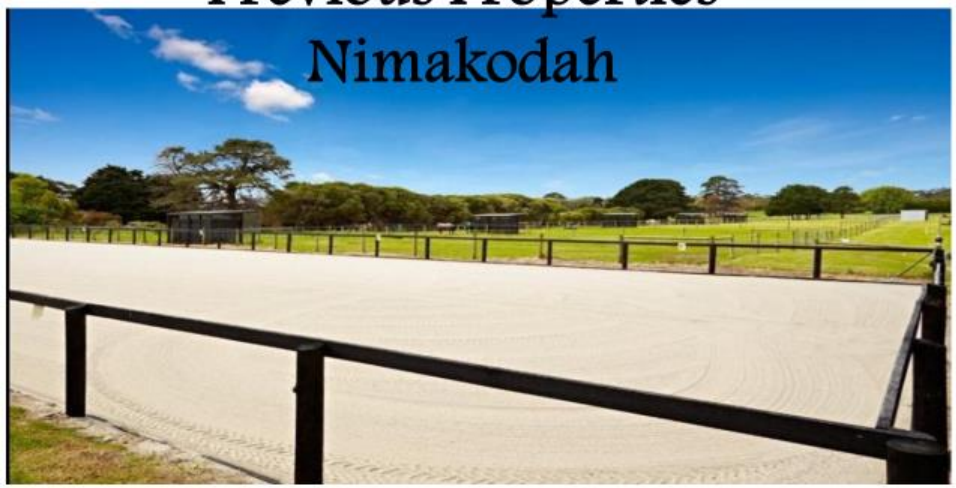
CROSS COUNTRY

DRESSAGE

SHOWJUMP

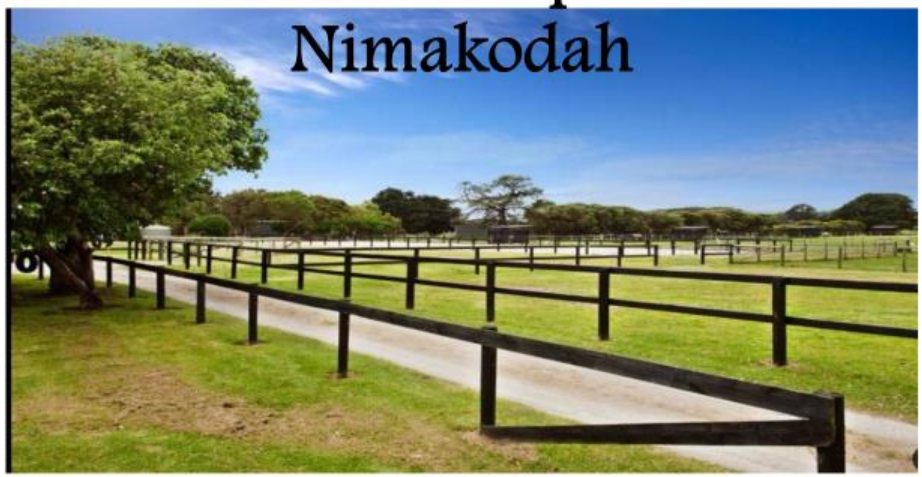
Previous Properties

Nimakodah



Previous Properties

Nimakodah



Hillview Park Now

Hillview Park Now

Hillview Park Now

Hanson HEIDELBERGCEMENT Group

Project Update

Lysterfield Quarry Community Reference Group

July 17th 2019

Hanson HEIDELBERGCEMENT Group

Current Quarry Projects

1. Public Acquisition Overlay
2. Quarry Extension
3. Overburden Placement Proposal

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1. Public Acquisition Overlay Update

- The POA documentation is still progressing through DELWP.

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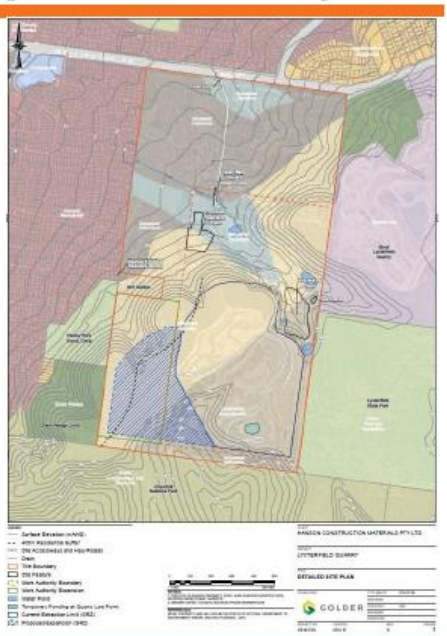
2. Quarry Extension Update

Hanson proposes to extract hornfels in a westerly and south-westerly direction from its current limit.



Hanson

Buffer Zone

Following stakeholder feedback, the current 400 metre buffer zone will be maintained.

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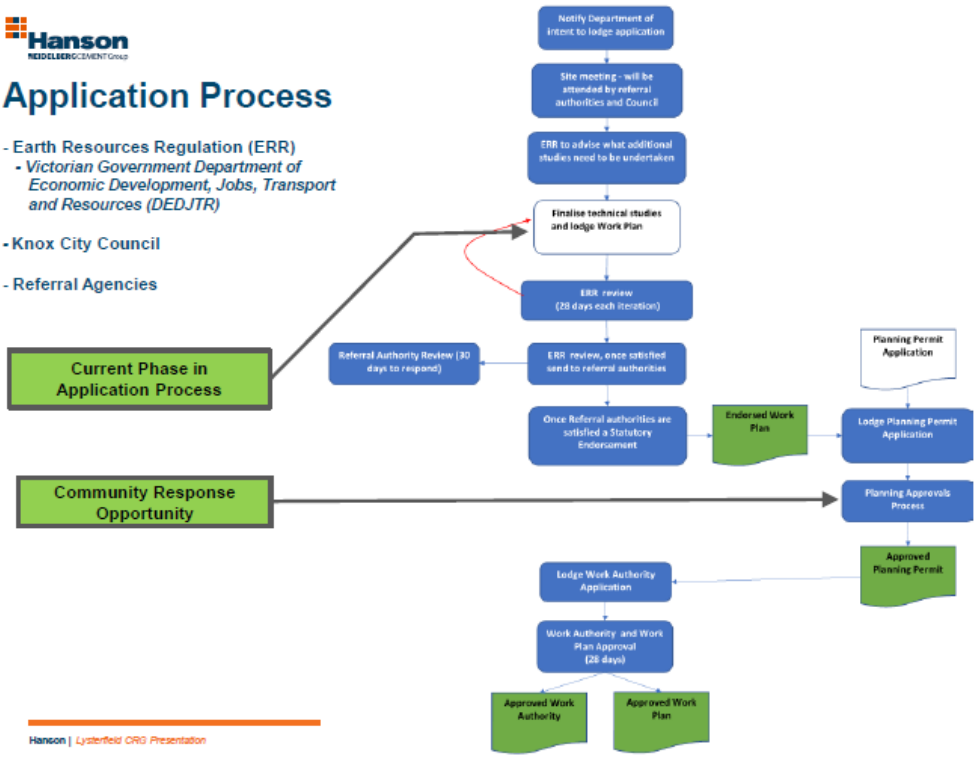
Application Process

- Earth Resources Regulation (ERR)
  - *Victorian Government Department of Economic Development, Jobs, Transport and Resources (DEDJTR)*
- Knox City Council
- Referral Agencies



Hanson | *Lysterfield CRG Presentation*

Hanson HEIDELBERGCEMENT Group

Quarry Extension Studies

Specialist Studies Underway:

- Air quality
  - Zero respirable silica detected
  - PM_{10} & $PM_{2.5}$ well below thresholds
- Geotechnical
  - Report preparation underway
- Flora
  - Field work complete
  - Vegetation offsets will be required
- Fauna
  - Field work complete
- Noise
  - Field work complete
- Vibration
  - Report preparation underway

Commencing Soon:

- Groundwater
- Surface water

Other Assessments:

- Aboriginal heritage
- Buffer distances
- Community facilities
- European heritage
- Fire safety
- Fly rock
- Future use & rehabilitation
- Landscape & visual amenity
- Public safety
- Public infrastructure
- State & national parks & crown land
- Security
- Traffic

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Aboriginal Cultural Heritage

- Aboriginal Victoria (AV) is the relevant authority.
- Areas of cultural heritage sensitivity are mapped on the Aboriginal Victoria Cultural Heritage Information System (ACHRIS).
- Aboriginal Victoria confirmed the following:
  - ACHRIS does not identify any areas of cultural heritage sensitivity on the Hanson Lysterfield Quarry land.
  - The then Dept of Primary Industries considered that a Cultural Heritage Management Plan (CHPM) is not required.
  - No further assessment is necessary for the proposed quarry extension.

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3.

Overburden Placement &

Potential Future Sports Grounds

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Overburden Earthworks Application

- ✓ Prefill Design
- ✓ Lodge Planning Permit
- ✓ Arborist Study
  - Fill placement plan adjusted to avoid trees where possible
  - 7 large trees to be removed
  - Vegetation off sets required
- Council assessment
- Equestrian Relocation Plan

Current Phase in Process

- Permit Public Display
- Community Submissions
- Council Decision
- Equestrian Relocation
- Commencement of Prefilling

Potential Future Use - Sports Grounds

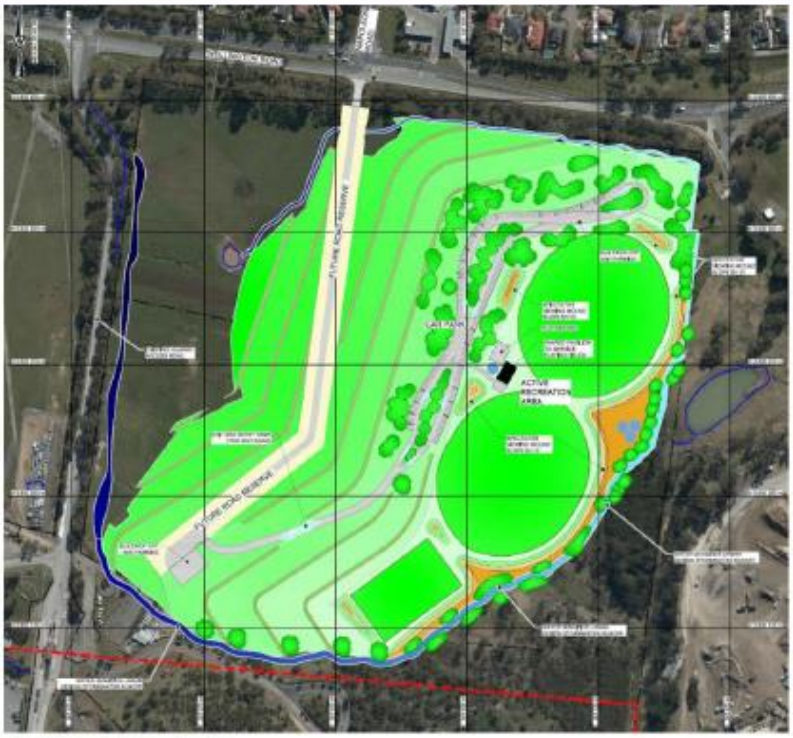
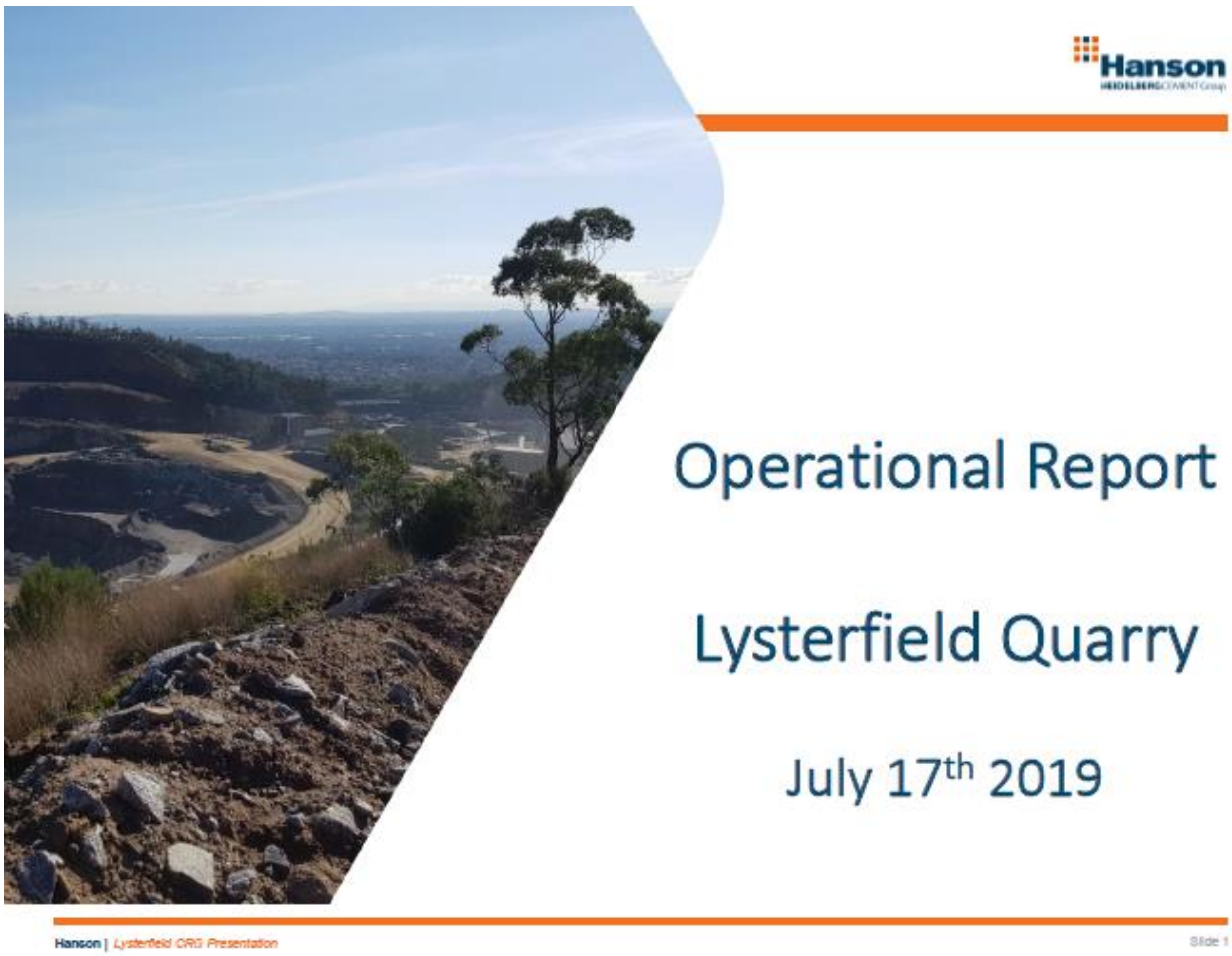
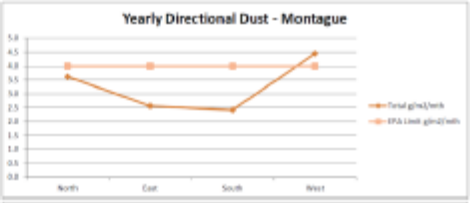
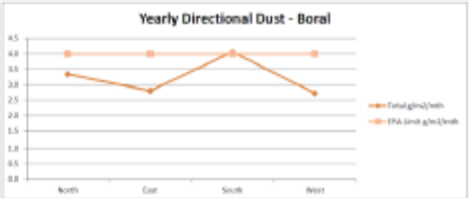
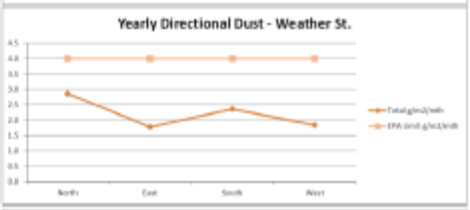


Plate 3: Potential Future Land Use

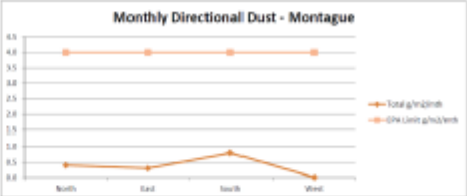
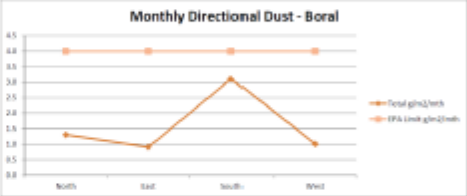
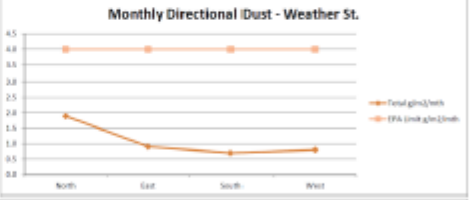
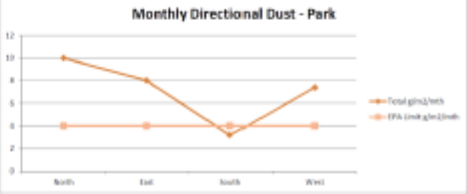


Directional Dust Deposition Gauge near Montague Cres.

Year To Date Data – May 2019

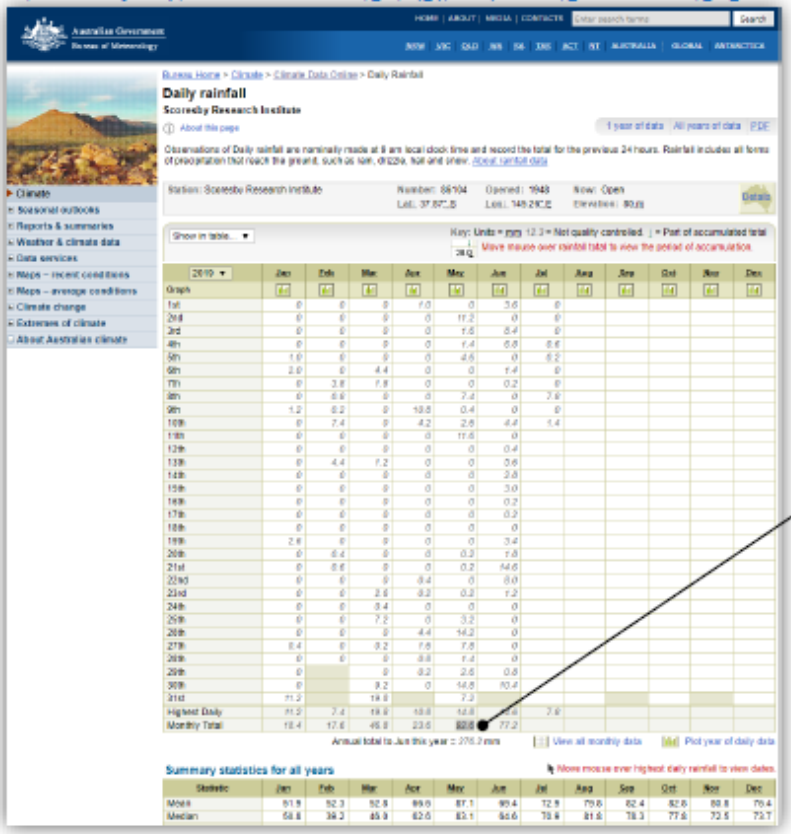
Montague Cres	
Boral Boundary	
Weather Station	
Park Boundary	

Monthly Data – May 2019

Montague Cres	
Boral Boundary	
Weather Station	
Park Boundary	

Rainfall Data Link...

http://www.bom.gov.au/jsp/ncc/cdio/weatherData/av?p_display_type=dailyDataFile&p_nccObsCode=136&p_stn_num=086104&p_c=-1482841716&p_startYear=2019



May back to average rainfall. Prior months very dry.

Wind & Weather Data Link… http://www.bom.gov.au/climate/dwo/201905/html/IDCJDW3072.201905.shtml

Australian Government
Bureau of Meteorology

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Scoresby, Victoria
May 2019 Daily Weather Observations

Date	Day	Temps Min °C	Temps Max °C	Rain mm	Evap mm	Sun hours	Max wind gust Dir	Spd km/h	Time local	9 am Temp °C	RH %	Cld g/8	Dir	Spd km/h	MSLP hPa	3 pm Temp °C	RH %	Cld g/8	Dir	Spd km/h	MSLP hPa
1	We	16.2	21.7	0			NNE	48	10:25	21.2	49		NNE	20		21.0	62		NNE	19	
2	Th	16.0	21.3	11.2			NNE	41	01:09	16.6	83		N	7		21.1	69		N	13	
3	Fr	10.0	19.6	1.6			N	30	11:53	14.9	78		N	6		18.6	41		NNW	15	
4	Sa	11.7	15.3	1.4			WSW	33	12:29	12.4	91		W	9		14.1	77		SW	22	
5	Su	9.3	16.2	4.6			SSW	19	01:06	11.7	94		NNE	2		15.5	69		WSW	9	
6	Mo	8.3	16.3	0			SW	19	11:44	11.9	95		Calm			15.3	62		WSW	11	
7	Tu	5.2	17.8	0			NW	46	21:54	10.5	77		NNE	15		17.1	51		N	17	
8	We	9.2	16.5	7.4			W	39	12:46	11.9	79		NW	13		15.4	58		W	20	
9	Th	8.4	15.6	0.4			N	52	11:31	13.1	63		NNE	15		15.2	51		N	20	
10	Fr	10.3	13.3	2.6			S	39	14:58	11.4	89		S	6		12.9	79		SSW	19	
11	Sa	8.9	15.0	11.6			WSW	30	14:55	10.4	87		NNE	4		14.6	70		W	15	
12	Su	10.2	16.1	0			NNW	26	10:37	13.0	75		NNE	6		15.7	63		NW	7	
13	Mo	12.2	17.3	0			NNW	43	11:58	14.3	71		N	9		16.1	55		N	15	
14	Tu	10.2	19.7	0			NW	26	13:56	13.3	69		NNE	6		17.6	52		W	9	
15	We	9.1	16.3	0			WSW	19	12:25	12.4	90		NNE	2		16.1	54		WSW	4	
16	Th	7.1	17.5	0			SW	17	15:30	10.5	77		NE	7		16.2	54		WSW	6	
17	Fr	4.3	19.5	0			N	15	12:54	9.1	89		N	7		18.7	49		NNE	4	
18	Sa	3.5	21.1	0			NE	19	14:38	8.8	94		NNE	2		20.7	41		NNW	6	
19	Su	5.4	20.5	0			NE	30	14:17	12.9	72		NE	9		19.7	46		NNE	17	
20	Mo	12.8	19.6	0.2			N	41	14:07	16.3	63		NNE	9		18.9	63		NNE	15	
21	Tu	9.3	18.8	0.2			NNE	22	13:49	12.6	82		NE	7		18.4	57		N	11	
22	We	10.2	21.9	0			NNE	17	10:19	14.2	71		NNE	9		20.9	37		WNW	9	
23	Th	10.7	21.1	0.2			NE	31	23:18	13.9	61		NE	15		20.4	44		NNE	15	
24	Fr	13.9	20.1	0			N	46	18:09	16.8	45		NNE	7		18.1	56		NNE	13	
25	Sa	12.1	19.9	3.2			NNW	35	14:36	15.5	67		NNW	11		17.8	50		NNW	19	
26	Su	8.0	13.8	14.2			N	46	16:33	10.6	67		N	9		13.5	60		N	15	
27	Mo	6.2	13.8	7.8			WNW	52	13:36	7.0	76		NW	13		13.1	61		W	22	
28	Tu	6.8	13.5	1.4			WNW	56	22:43	10.4	70		N	13		13.0	72		N	15	
29	We	8.0	10.2	2.6			WNW	46	12:44	8.2	64		NW	17		7.7	75		W	22	
30	Th	5.2	12.1	14.8			W	41	15:04	7.9	87		NNE	4		11.3	69		WSW	15	
31	Fr	7.6	14.2	7.2			SW	30	11:39	11.9	95		SW	7		12.8	79		SSW	9	
Statistics for May 2019																					
Mean		9.2	17.3							12.4	76			8		16.4	58			13	
Lowest		3.5	10.2	0						7.0	45		Calm			7.7	37		#	4	
Highest		16.2	21.9	14.8			WNW	56		21.2	95		NNE	20		21.1	79		#	22	
Total				92.6																	

IDCJDW3072.201905 Prepared at 16:01 UTC on Tuesday 2 July 2019

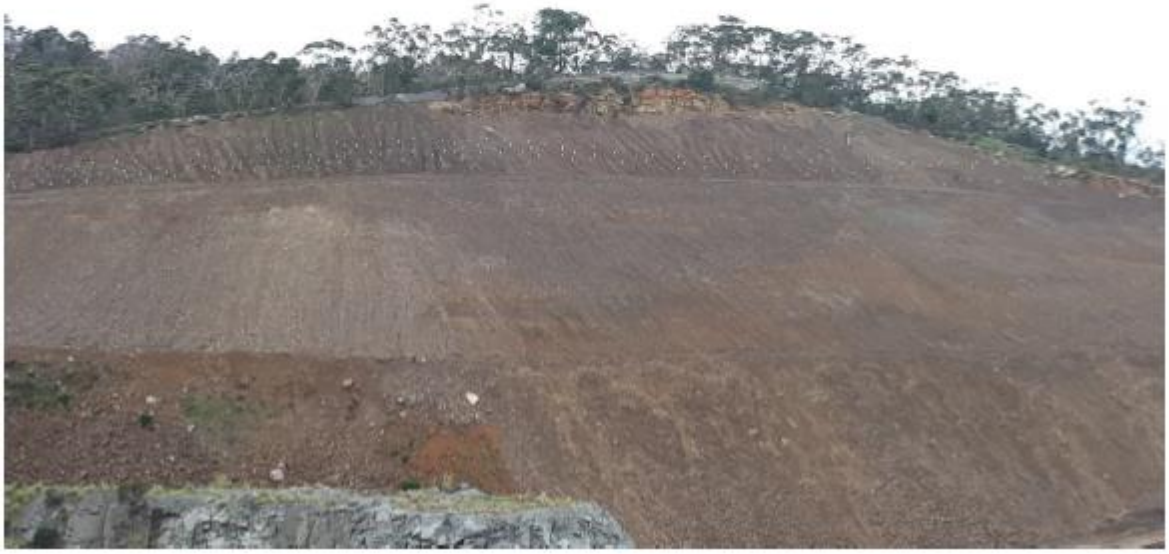
Comments, Observations & Photos

- Wind & weather data link
  - May & March 2019 rainfall was average.
  - Jan, Feb & April were one third of average.

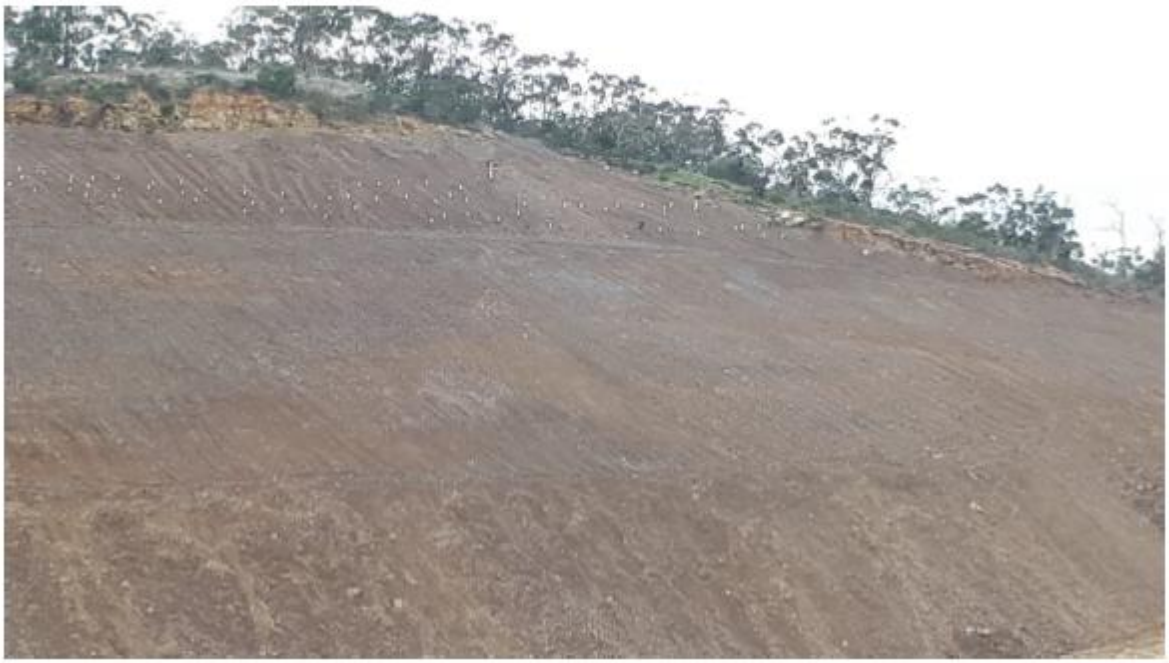
- Comments…
- Most dust readings are well down on prior months
  - Excluding "Park" gauge which is close to fire break & active quarry face.
  - Rehab and tree planting during May, as observed on CRG Quarry tour.

"Park" gauge & fire break

Tree planting progress upper batter complete



Progressive rehabilitation progress
Middle batter shaping



CRG tour at rehab works area.

Environmental monitoring

SHOT no.	Comments	40 Pitfield Crescent		38 Heany Park Road		15 Sandford Close		6 Parkview Terrace		7 forster hill grove	
	Date	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
1843	14-Jan-19	0.32	99.34			1.16	99.35	0.27	95.08		
1839	canceled										
1901	22-Jan-19	0.22	91.27			1.13	96.62	0.26	96.34		
1902	1-Feb-19	0.27	98.06			1.46	104.53	0.3	92.49		
1903	6-Feb-19	0.16	91.7			0.9	99.96	0.32	97.44		
1904	19-Feb-19	0.21	99.19			0.15	92.23	0.21	96.22		
1905	26-Feb-19	0.36	96.22			1.38	99.95	0.31	101.29		
1906	7-Mar-19	0.35	96.95			1.89	101.69	0.48	92.98		
1907	7-Mar-19	0.17	92.61			0.75	100.57	0.17	91.56		
1908	18-Mar-19	0.29	96.93			1.17	105.43	0.32	95.98		
1909	25-Mar-19	0.18	94.99			0.94	98.39	0.27	108.86		
1910	1-Apr-19	0.24	101.99			1.55	101.99	0.24	91.99		
1911	3-Apr-19	0.56	98.12			1.57	98.89	0.56	98.76		
1912	9-Apr-19	0.24	96.14			1.23	104.96	0.24	100.91		
1913	9-Apr-19	0.24	96.14			1.23	104.96	0.24	100.91		
1914	17-Apr-19	0.24	99.39			0.72	102.56	0.39	101.24		
1915	23-Apr-19	0.31	98.76			0.75	106.81	0.37	96.62		
1916	29-Apr-19	0.58	92.74			1.21	95.89	0.38	98.38		
1917	1-May-19	0.29	89.15			1.61	96.22	0.31	96.62		
1918	8-May-19	0.32	96.05			1.79	96.05	0.5	95.8		
1919	15-May-19	0.28	95.08			1.28	98.57	0.22	96.22		
1920	22-May-19	0.31	92.74			1.14	96.14	0.56	105.37	0.73	108.43
1921	3-Jun-19	0.31	105.05			1.59	107.86	0.38	88.97		
1922	14-Jun-19	0.35	96.7			1.53	97.3	0.33	97.51		
1923	25-Jun-19	0.46	89.15			1.01	96.93	0.37	106.21		
1924	1-Jul-19	0.21	101.24			1.1	99.52	0.17	107.44		
1925	10-Jul-19	0.4	91.7			1.36	102.72	0.41	106.37		

Blasting results

Truck Wheel wash operation

Granite pit development Bench's RL 120 & RL90 Concrete Aggregate production