

HVO CCC Meeting

1:30 PM Wednesday 16 February 2022



**HUNTER VALLEY
OPERATIONS**

Acknowledgement of Traditional Owners

- We acknowledge the traditional owners of the land where we meet today and pay respect to Elders, past, present and future.

Agenda

1. Welcome: Housekeeping, Emergency Procedures
2. Apologies
3. Declaration of pecuniary interests/conflicts of interest
4. Correspondence
5. Confirmation of the previous meeting's minutes
6. Matters arising from previous meeting
7. Company reports – Update on Hunter Valley Operations
8. Heritage
9. Community Representative Feedback
10. General business
11. Next meeting

Apologies

- Janelle Wenham
- Todd Mills
- Michael Wellard

Correspondence

Date	From	Content
30/11/2021	MB	Email with detail on Hunter Valley Operations South Coal Project Modification 6 - Determination
2/12/2021	MB	Email with Draft minutes from CCC meeting held on 17 November 2021
20/12/2021	MB	Email regarding Lemington Underground Water Storage - Water Quality Assessment
3/02/2022	MB	Email attaching Agenda and Business Papers for meeting to be held on 16 February 2022
2/12, 10/1 and 2/2	NL	Monthly EIS Update for HVO Continuation Project

Confirmation of previous minutes

- Minutes from previous meeting (17 November 2021) have been circulated for comment and are awaiting finalisation, requiring confirmation at this meeting (16 February 2022).
- The draft minutes are available on our public website, In-site. The minutes can be accessed on-line via: <https://insite.hvo.com.au>

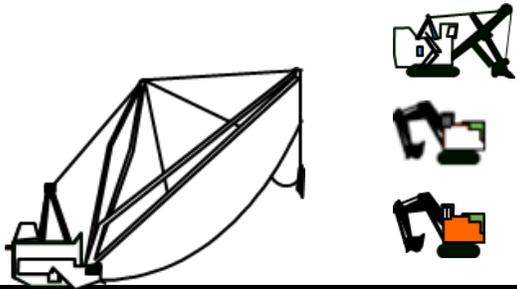
Action arising from previous CCC meeting

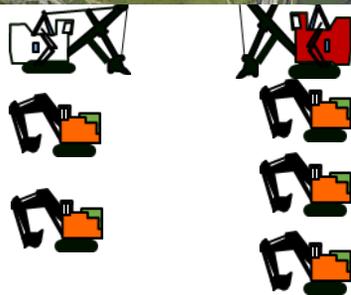
- **ACTION Carried Forward; HVO to provide an update on Archaeological Deposit CM-CD1 when assessments are finalised.** ✓
- **Action 1: HVO to provide an update on the detailed design for the North Void Tailings Storage Facility Barrier Wall when the geotechnical studies have progressed. Not available yet**
- **Action 2: HVO to provide a monthly update on the HVO Continuation Project commencing December 2021 and to schedule an extraordinary CCC prior to the public submission period for the EIS Assessment should that not fall in line with the next CCC Meeting scheduled for 16 February 2021.** ✓
- **Action 3: In response to a query from Neville, HVO to provide the weblink to access the HVO South Minor Modification - ANE Manufacture modification on the DPIE portal.** ✓
- **Action 4: HVO to provide the section in the Statement of Environmental Effects that details water quality in Lemington Underground Water Storage Modification in relation to water being extracted versus being stored.** ✓

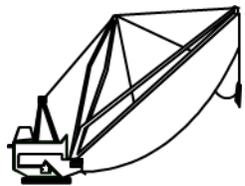
Injury Rates (as at end January 2022)

Total Recordable Injury Frequency Rate: 0.00 (target 3.00)

Lost Time Injury Frequency Rate: 0.00 (target 1.00)







Dragline in Riverview Pit





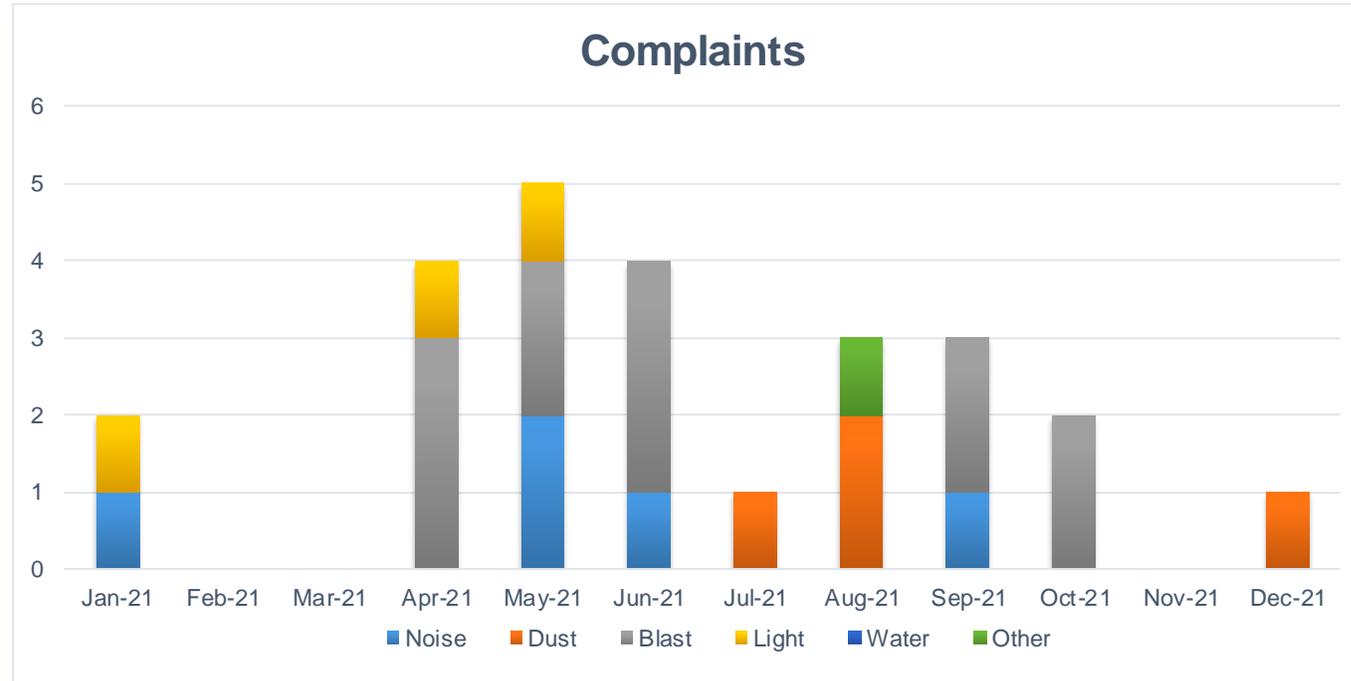
Anticipated delivery mid May 2022



- 4 x Additional Hitachi 3600's arriving May, July, August and November 2022
- 1 x L1850 due August 2022
- Komatsu 930E commence arriving August 2022



Complaints (2021) – 25 complaints



10 December – Dust

Complaints (2022) – 2 complaints YTD



5 January – Blast
11 February - Blast

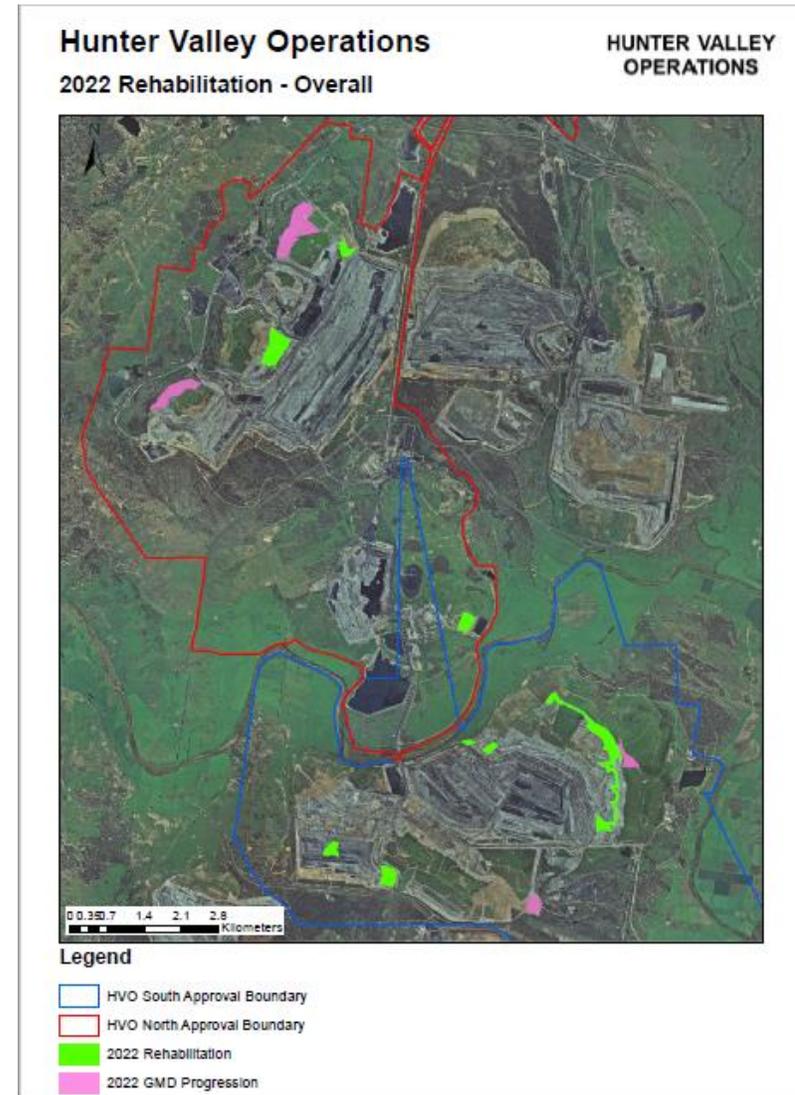
Rehabilitation

Completed in 2021

- Rehabilitation = 72.5 ha
- Growth Media Development = 77.5 ha

Planned in 2022

- Rehabilitation = 65 ha
- Growth Media Development = 72 ha



Feral pest management 2022

Program of activities 2022

Synchronised baiting trapping programs coordinated with other sites and the LLS. Dates to be confirmed with LLS March 2020

- Summer, Autumn and Spring 1080 wild Dog control Programs
- Autumn & Spring 'Hoggone' pig baiting programs

Kangaroo commercial harvests

Open Range Shooting linked to kangaroo commercial harvests

HVO Vertebrate Pest Control Summary			
Vertebrate Pest		2021 YTD	2020
Kangaroos		177	454
feral pig		72	20
feral pig (bait)		28	0
fox		8	14
fox (bait)		49	23
hare		7	42
feral cat		1	0
rabbit		13	30
wild dog		15	0
wild dog (bait)		169	172
deer (other)		1	0
Overall TOTAL		540	755

Proposed activities:

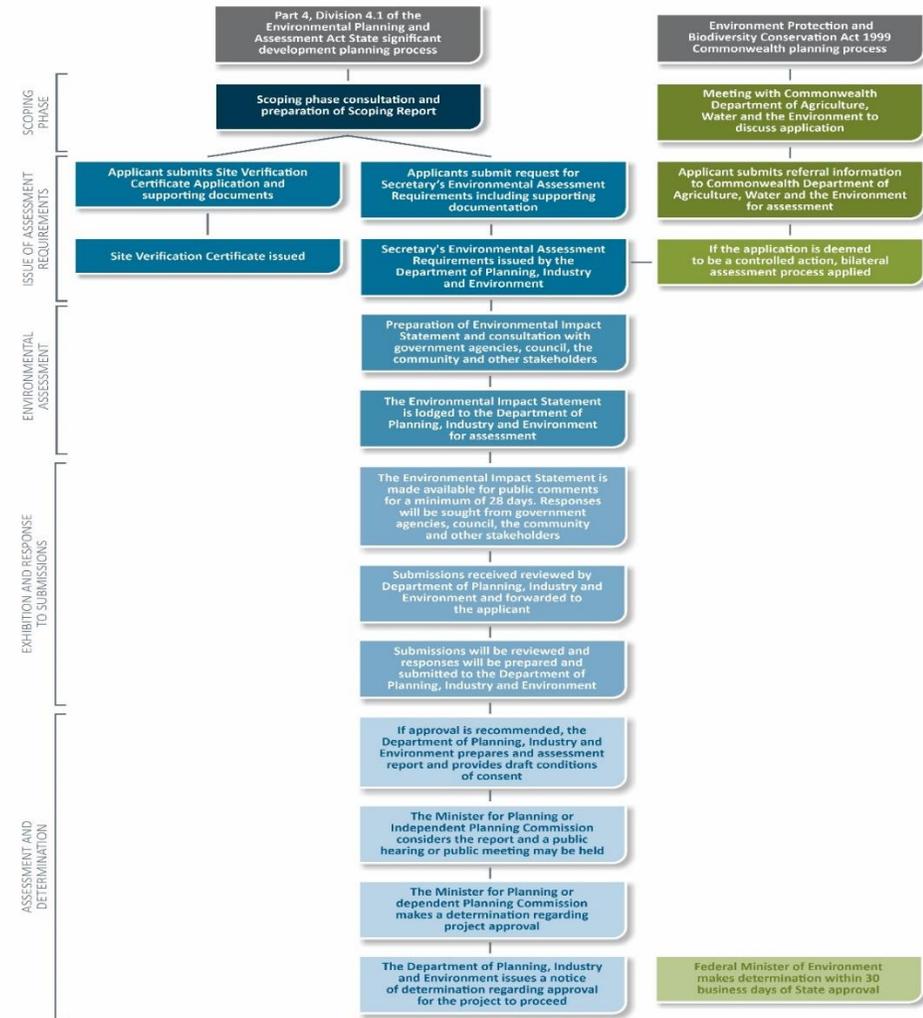
- Archerfield Stables- arboreal maintenance pending approval Singleton Council (Q1 2022)
- Archerfield Stables structural works (Q1 2022)
- Planning for temporary onsite storage of Archerfield agricultural heritage items while repair/preservation works at the Archerfield Stables.
- Yard maintenance works and Termite Interception System inspections at LEP listed properties ongoing.



- Notification to DPIE of annual average exceedances against annual criteria:
 - Depositional Dust Gauge - Warkworth gauge recorded 7.3 g/m²/month which exceeded the consent criteria of 4 g/m²/month
 - TSP - Warkworth monitor recorded 94.59ug/m³ which exceeded the consent criteria of 90ug/m³
 - PM2.5 - Maison Dieu HVAS recorded 9.57 ug/m³ which exceeded the consent criteria of 8ug/m³
 - These will be investigated by an external consultant and reported in the Annual Review
- Annual EPBC Compliance report submitted and available on Insite

HVO Continuation Project – Update

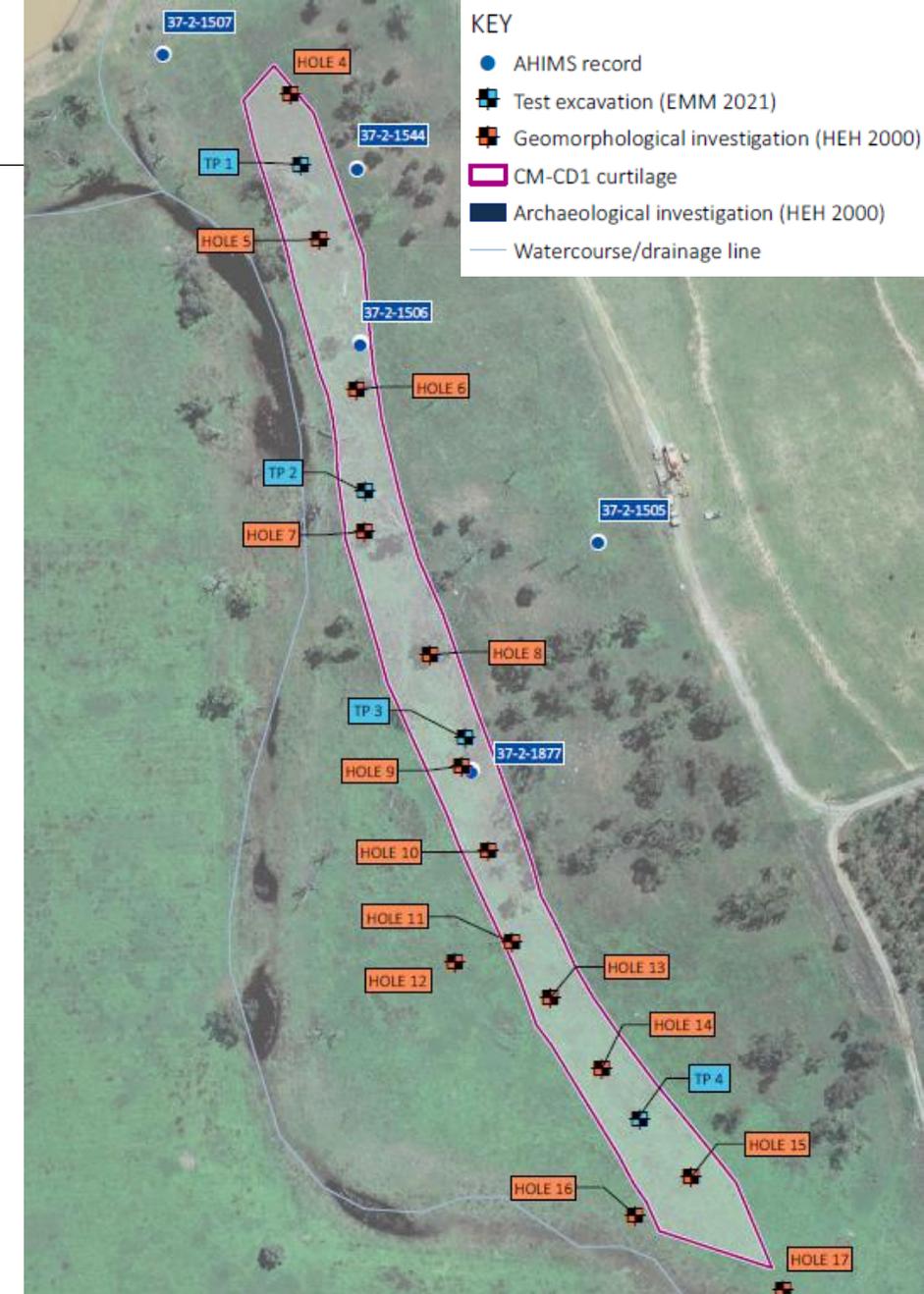
- EIS study work ongoing - lodgement of development applications in Q2 2022 following consultation.
 - EIS study work iterative process- focus to minimise impacts.
 - EIS study results currently forecast to be finalised March/ April.
 - Consultation process- Priority given to those in close proximity/ level of impact first.
- EPBC Referral currently being developed. Planned submission March 2022.
- Further baseline monitoring
 - Aquatic Ecology - completed February 2022
 - Noise - ongoing
- Monthly EIS Updates to CCC commenced following previous CCC.



Aboriginal Cultural Heritage Assessment –

CM-CD1 Previous Studies

- Carrington Mine Colluvial Deposit Area 1 (CM-CD1) is a cultural deposit initially identified in the late 1990s as part of the Carrington Mine Environmental Impact Statement.
- Initial geomorphological and archaeological investigations conducted by Dr. Phil Hughes (1999, 2000) identified the CM-CD1 colluvial deposit on the foot slope of the low ridge associated with a silcrete quarry, CM2.
 - Seven stratigraphic units were identified, including a ‘younger stratum’ (Units 1-4), an ‘older stratum’ (Unit 5), and basal sterile deposits (Units 6-7).
 - The younger stratum (Unit 3) was radiocarbon dated to 903 years BP (Holocene). It is unclear why dating of the lower stratum was not completed at the time, however it was speculated to be of Pleistocene age (>10,000 years).
- In 2012, further research into the nature and occurrence of Pleistocene/early Holocene sites in the Hunter Valley recommended the original excavations be reopened and the stratigraphic units be sampled for Optically Stimulated Luminescence (OSL) dating to resolve the age of the CM-CD1 older stratum.



Aboriginal Cultural Heritage Assessment – CM-CD1 Project Investigation

- CM-CD1 (AHIMS 37-2-1877) is currently protected from disturbance by Condition 40 of the HVO North DA 450-10-2003. This condition does not prohibit heritage studies from being undertaken.
- As part of the ACHA being undertaken by EMM for the Project, further excavation of CM-CD1 was completed with the primary aim of collecting OSL samples to confirm the age of the deposits.
- A total of six test pits were excavated between 8 - 17 March 2021. The excavation relocated and sampled the stratigraphy previously identified by Hughes, including younger and older strata.
- A total of ten samples were subject to OSL dating:
 - Unit 4: Early Holocene (10,000 years). Ages are not in depth order, but are statistically indistinguishable and reflect a fast forming (probably alluvial) deposit;
 - Interface between Units 4 and 5: Early Holocene/late Pleistocene (10,600 years);
 - Unit 5: Early Holocene/late Pleistocene (10,000-12,000 years) (ie transition between the two periods); and
 - Base of excavation: Late Pleistocene (approximately 16,000 years).



Stratigraphic Unit	Test Pit	Age (years ago)
Unit 4	TP1	9,200 (± 500 years)
	TP3	10,500 (± 600 years)
	TP1	10,200 (± 600 years)
	TP3	9,900 (± 600 years)
Interface between Units 4 and 5	TP3	10,600 (± 600 years)
Unit 5	TP1	10,000 (± 500 years)
	TP3	12,100 (± 600 years)
	TP3	11,900 (± 600 years)
Base of excavation (Unit 5)	TP1	11,900 (± 600 years)
Base of excavation (Unit 7)	TP3	16,400 years (± 900 years)

± plus or minus used to define the margin of error.



Aboriginal Cultural Heritage Assessment – CM-CD1 Investigation Summary

- OSL dating results support that the CM-CD1 deposits are of significant age relating to the early Holocene and late Pleistocene periods.
- On the basis of rarity of this site type within the known Hunter Valley cultural landscape, CM-CD1 has been assessed as having high archaeological and cultural significance.
- In recognition of the high significance of the site, HVO have committed to full avoidance of impact to CM-CD1.

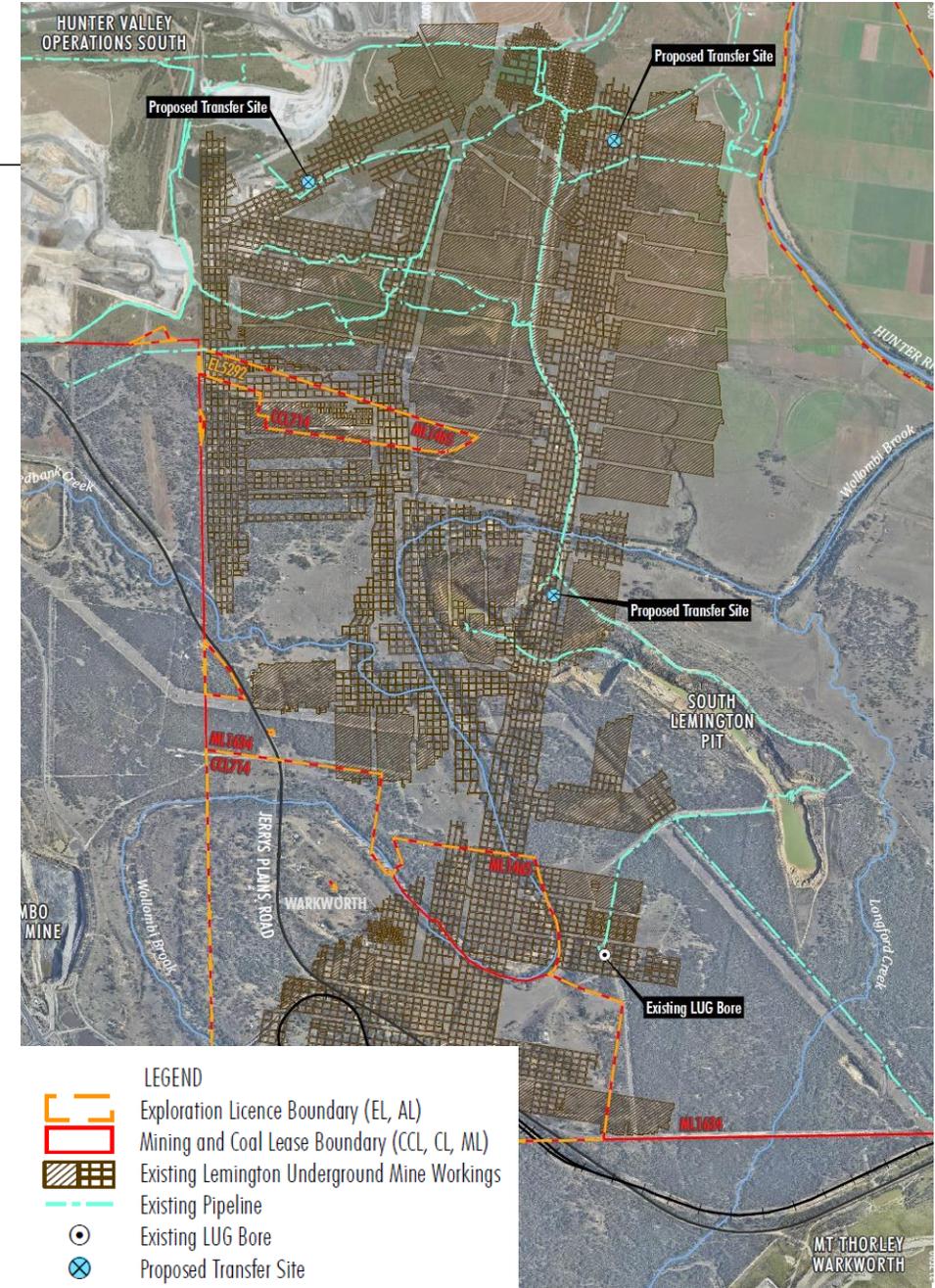


- Modification of existing consent (PA 06_0261) to allow for the construction and operation of a modular Ammonium Nitrate Emulsion (ANE) manufacturing plant within the existing approved HVO South mine disturbance area.
- Manufacturing subject to update of the Environmental Protection Licence



MTW/HVO Lemington Underground Water Storage Modification

- Response to government submissions provided to DPIE. Further response in development for DPIE Water regarding licensing



AS

- Round One of our Community Grants Programme will open in April
- HVO is planning on holding an Apprentice Day at the Singleton Community Garden with the date to be determined
- An Apprentice Day is also planned at the Jerrys Plains School of Arts Community Hall to assist with a number of maintenance tasks.
- Community Information Sessions at Jerrys Plains and Maison Dieu are planned:
 - Thursday 24 March – Jerrys Plains
 - Saturday 26 March – Maison Dieu
 - A letter will be distributed to near neighbours with session details in the coming weeks. Letter will also offer alternative engagement options in current COVID19 climate



- Brian Atfield
- Di Gee
- Jeannie Hayes
- Cr Hollee Jenkins
- David Love
- Janelle Wenham
- Dr Neville Hodgkinson
- Todd Mills
- Michael Wellard



HVO – contact details

HVO Complaints and Blasting Hotline:

- **1800 888 733 (free call)**
- To make an environmental complaint
- Find out road closure times for blasting
- Attended 24 hours a day / seven days a week
- **SMS Blasting Notification System**
 - Send an SMS to 0447 448 982 with word subscribe included in text

Websites

- HVO - information about the operation: <https://hvo.com.au>

Next meeting?