

HVO CCC Meeting

1:30 PM Wednesday 17 August 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. Approvals
9. Heritage
10. Community Representative Feedback
11. General business
12. Next meeting

Apologies

- Michael Wellard
- Di Gee
- Neville Hodgkinson
- Jeannie Hayes

Correspondence

Date	From	Content
2/06/2022	NL	Email about the HVO Continuation Project Monthly Update – May 2022
4/07/2022	NL	Email about the HVO Continuation Project Monthly Update – June 2022
5/07/2022	MB	Email regarding Rehabilitation Management Plan
8/07/2022	MB	Email regarding Flood Recovery Assistance
2/08/2022	NL	Email about the HVO Continuation Project Monthly Update – July 2022
10/08/2022	MB	Email regarding CCC meeting on 17 August

Confirmation of previous minutes

- Minutes from previous meeting (18 May 2022) have been circulated for comment and are awaiting finalisation, requiring confirmation at this meeting (17 August 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

Ongoing Actions

- **HVO to continue to provide the CCC with a monthly update on the HVO Continuation Project.**
- **HVO to provide an update on the detailed design for the North Void Tailings Storage Facility Barrier Wall when the geotechnical studies have progressed. Geotechnical assessment delayed by wet ground conditions, scheduled for September.**
- **ACTION 1: HVO to provide the CCC with results of their investigations and review of the two annual average exceedances against annual criteria at Warkworth monitoring in 2021. Col to review Neville's correspondence and provide feedback.**

Warkworth Air Quality Monitoring

Depositional Dust

- An annual average deposited dust level above the cumulative criterion of 4g/m²/month was recorded at the Warkworth monitor in 2021
- Analysis conducted by an external air quality consultant concluded that HVO North's maximum contribution (0.5g) to this level was well below the 2g/m²/month incremental criterion and that the total level would have been over 4g/m²/month regardless of any contribution from HVO North.

Total Suspended Particulates (TSP)

- An elevated annual average TSP level of 94.6µg/m³ was recorded at the Warkworth monitor.
- The analysis indicated that HVO South's conservatively estimated contribution to the Warkworth HVAS in 2021 would have been a maximum of 32.8µg/m³ or 35% of the 94.6µg/m³.
- The investigation identified that the Warkworth TSP HVAS and deposited dust monitors are likely impacted by highly localised source(s) of dust.

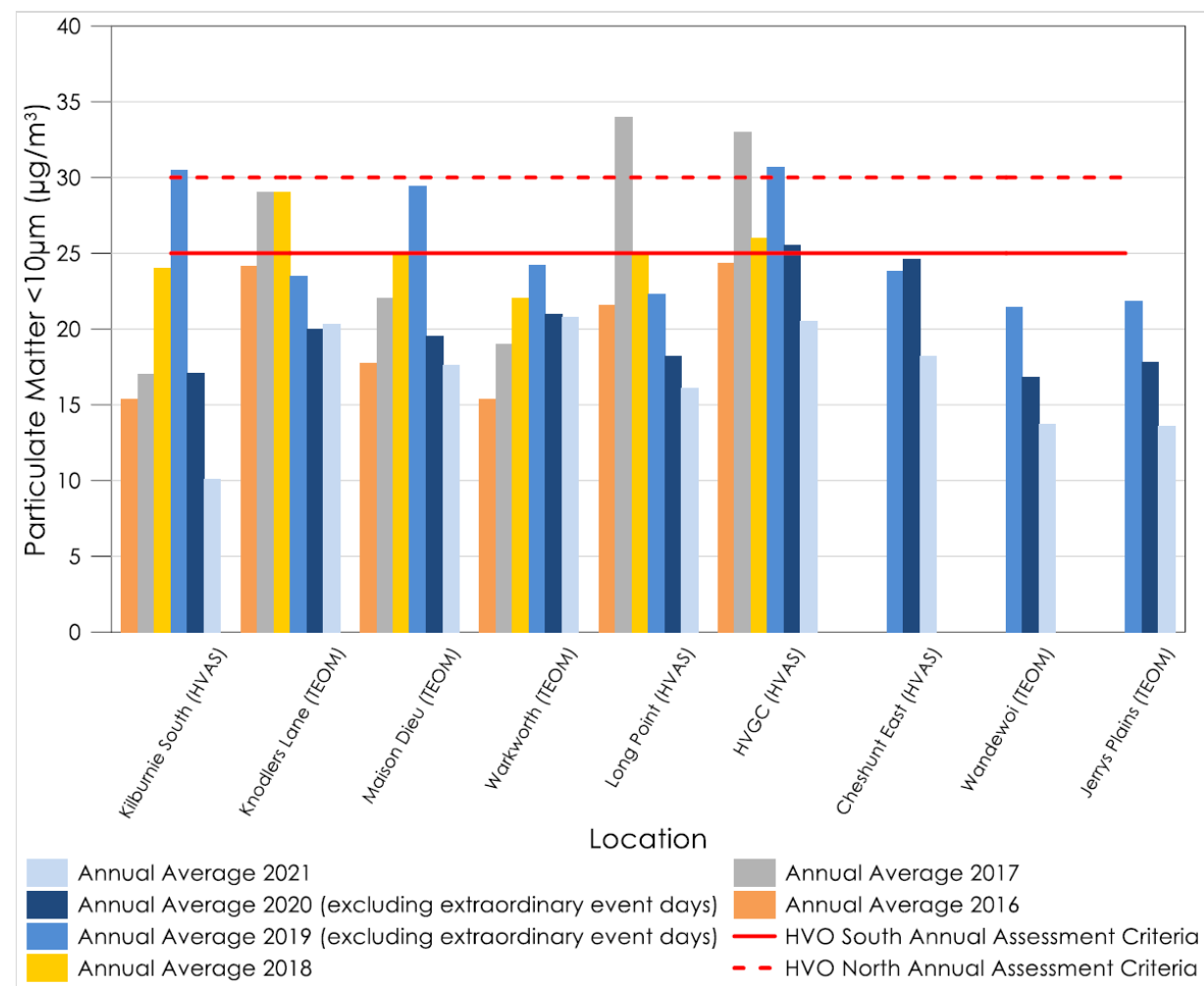
Warkworth Air Quality Monitoring

- Air quality is currently monitored using depositional dust gauge, High Volume Sampler for TSP and Realtime PM10 (EPA).
- The depositional dust gauge is monitoring for HVO North. HVO South (the nearest HVO dust source) does not have a requirement to monitor for depositional dust.
- There are no privately owned residences in Warkworth Village
- HVO South EIS predicted cumulative TSP levels to exceed the Annual Average criteria. In this circumstance voluntary acquisition rights apply
- HVO has obligations to notify tenants of air quality risks as part of their tenancy agreement and provide air quality monitoring data
- Tenants are entitled to terminate their tenancy agreements without penalty



Warkworth Air Quality Monitoring

- Contemporary ambient air quality monitoring for human health is undertaken using PM10 monitors.
- Depositional Dust and TSP are old technology and measure coarser particles that provide an indicator of dust amenity levels.
- EPA operates a real-time PM10 monitor in Warkworth. HVO utilises this data in its monitoring system
- 2021 Annual Average PM10 was below the criteria for Warkworth and not significantly higher than any other location during the past 4 years.
- A monitoring network review was undertaken by an Air Quality Specialist from Jacobs, recommendation was to discontinue monitoring for TSP and Depositional Dust in Warkworth and continue with PM10 monitoring.



Warkworth Air Quality Monitoring - Summary

- Annual Average PM10 Air Quality in Warkworth is below criteria
- HVO responds to dust alerts sent from the PM10 monitor
- HVO has obligations to occupants of mine owned residences
- TSP is an amenity criteria, predicted to exceed Annual Averages in Warkworth. Monitor does not provide any additional value to the PM10 monitor.
- Depositional Dust gauge is not representative monitoring for HVO North
- Review of Monitoring Network recommends TSP and Depositional Dust Monitoring in Warkworth be discontinued

Operations Update



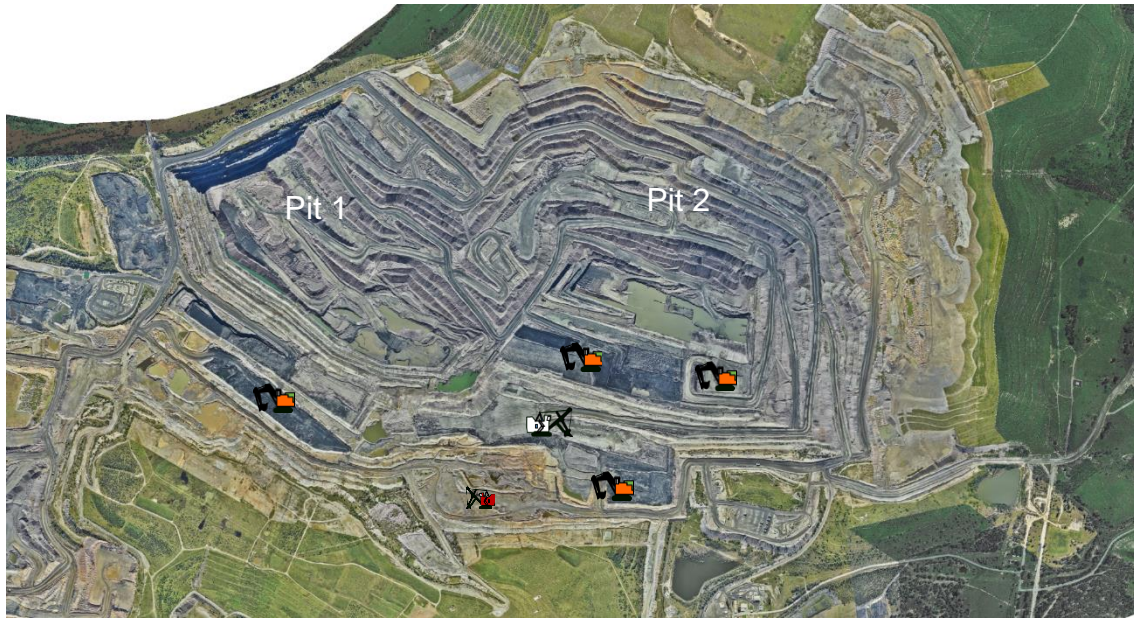
HUNTER VALLEY OPERATIONS

West Pit

TM



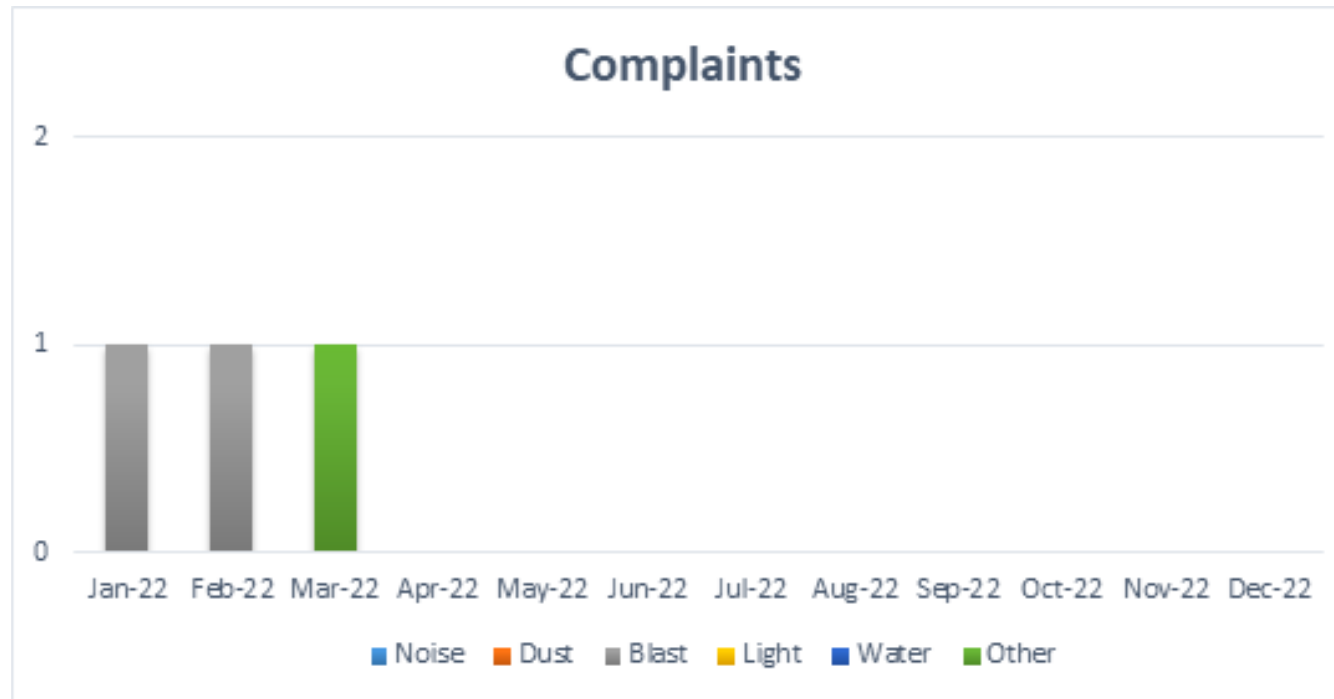
Cheshunt







Complaints (2022) – 3 complaints YTD

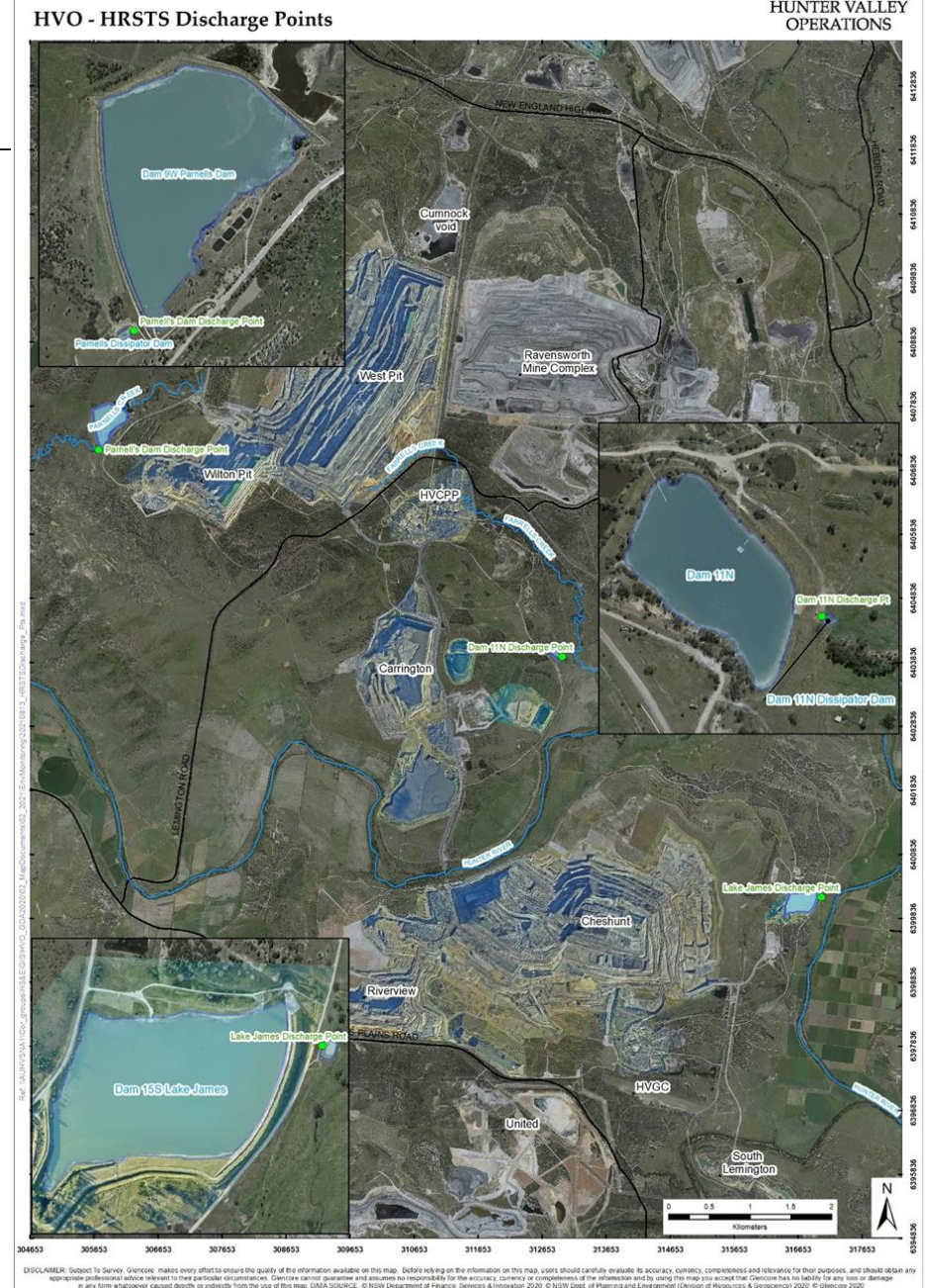


- 5 January: Blast overpressure (compliant) – Jerrys Plains**
- 11 February: Blast overpressure (compliant) – Maison Dieu**
- 19 March: Alleged reckless driving (anonymous) – Warkworth**

Licensed Water Discharge

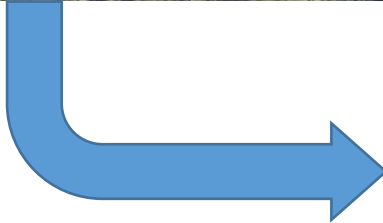
- HVO participates in the Hunter River Salinity Trading Scheme
- Three licensed discharge points
- Water discharges are regulated by the EPA
- Realtime monitoring data is publically available via Water NSW website <https://realtimedata.waternsw.com.au/> or Water Live app.

Month	Lake James	Parnell's	Dam 11N	Total
January	106.14	0	0	106.14
February	0	0	0	0
March	668.97	218.27	86.37	973.61
April	312.55	30.67	19.47	362.69
May	211.74	0	0	211.74
June	0	0	0	0
July	937.39	862.23	17.97	1817.59
August (MTD)	323.85	162.84	52.61	539.3
August (WTD)	136.3	143.01	0	279.31
September				
October				
November				
December				
Total	2560.64	1274.01	176.42	4011.07



Water Containment Pollution Reduction Program

- Completed Projects:
 - Remote dam level monitoring and alarming
 - Burst pipe detection and alarming
 - Dam 28W enlargement



Rehabilitation

- Rehabilitation Management Plan (RMP) now replaces Mining Operations Plan (MOP) – Government Initiative
- Annual plan period July 22 - June 2023
- 44 ha of new rehabilitation (8.4 ha seeded since start of 2022)
- 100 ha second stage rehabilitation (16 ha seeded since start of 2022)
- Wet weather has impacted rehabilitation delivery

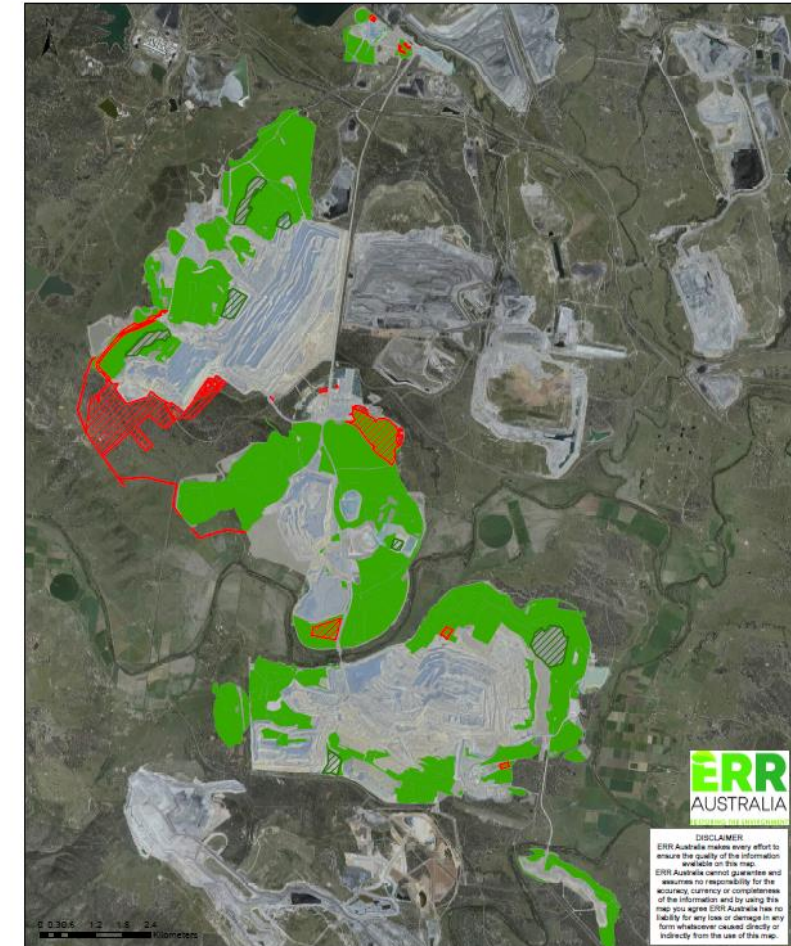


Cheshunt Pit – Rehabilitation maintenance work including slashing and spraying of weeds being undertaken

Hunter Valley Operations

Plan 2A: Mining and Rehabilitation - Year 1

HUNTER VALLEY OPERATIONS



- Legend**
- Forecast Disturbance
 - Forecast Land Prepared for Rehabilitation
 - Ecosystem and Land Use Establishment
 - Existing Rehabilitation
 - Existing Disturbance

DISCLAIMER
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Mine Name: Hunter Valley Operations
Plan Name: Plan 2A: Mining and Rehabilitation Year 1
Year: Year 1 (2022-2023)
Theme: 3013
Submission No's:
Plan Date: 01/08/2022

- Regulation became effective 2 July, effectively replacing Mining Operations Plans.
- Key components of new conditions:
 - Rehabilitation Management Plan (RMP)– published on HVO website
 - Rehabilitation Objectives Statement – requires approval
 - Rehabilitation Completion Criteria Statement – requires approval
 - Final Landform Plan – requires approval
 - Rehabilitation cost estimate and security – requires approval
 - Forward Work Programme (three year plan – rehab and disturbance)
 - Annual Rehabilitation Report – published on HVO website
 - Maintain rehabilitation records
- HVO RMP sent to CCC for consultation 5/7/2022

Feral pest management 2022

Program of activities 2022

Synchronised baiting trapping programs coordinated with other sites and the Hunter Local Land Services.

- Autumn 1080 Wild Dog Control Program completed June 2022
- Spring 1080 Wild Dog control Program to commence 10 October 2022
- Autumn 'Hoggone' pig baiting program complete June 2022 with 12 pigs baited at Archerfield and 15 pigs baited at Old Lemington Rd. The remaining 28 baited pigs picked up by rural Licensees operating 'Hoggone' boxes.
- Spring 'Hoggone' pig baiting program dates to coincide with Wild Dog Control programs.
- HVO supporting rural licensee pig baiting programs via bounty payments. One rural licensee operating a trap and three operating "Hoggone" dispensers.

Kangaroo commercial harvests:

- 2 new commercial harvestors have been onboarded. Harvesting now underway with two shoots completed and pest control activities to ramp up in the final portion of the year

HVO Vertebrate Pest Control Summary			
Vertebrate Pest		2022 YTD	2021
Kangaroos		60	177
feral pig		52	72
feral pig (bait)		55	28
fox		0	8
fox (bait)		16	49
hare		0	7
feral cat		0	1
rabbit		0	13
wild dog		9	15
wild dog (bait)		96	169
deer (other)		0	1
Overall TOTAL		288	540



Proposed activities:

- Archerfield Stables
 - vegetation maintenance completed
 - structural works on verandahs and stairs completed
 - agricultural heritage items stored in situ while structural works underway
- Dog Leg Fence Asset Protection Zone maintenance planned for August 2022.
- Yard maintenance works and Termite Interception System inspections at LEP listed properties ongoing.



Reporting, Exceedances and Inspections

- Rehabilitation Management Plan and Forward Work Programmes submitted 1 July and 1 August respectively

Incidents

4/7/2022 – Dam 2N overflow event.

- Sediment Dam (2N) overtopped to Farrells Creek following continued rainfall in the preceding days. Rainfall volume exceeded the dam design capacity.
- Due to the fresh quality of the water and excessive rainfall in the local catchment there was no potential for environmental harm.
- The incident was notified to DPE, EPA and Resource Regulator.

6/7/2022 – Dam 35S, 39S and 15N overflow event

- During consecutive rain days between 2 and 6 July 2022, HVO recorded 161.6mm and 157.2mm of rainfall at its North and South weather stations respectively
- The rainfall recorded significantly exceeded the design rainfall depth for sediment dams 35S and 39S and exceeded the capacity of mine stormwater containment dam 15N
- The incident was notified to DPE, EPA and Resource Regulator.

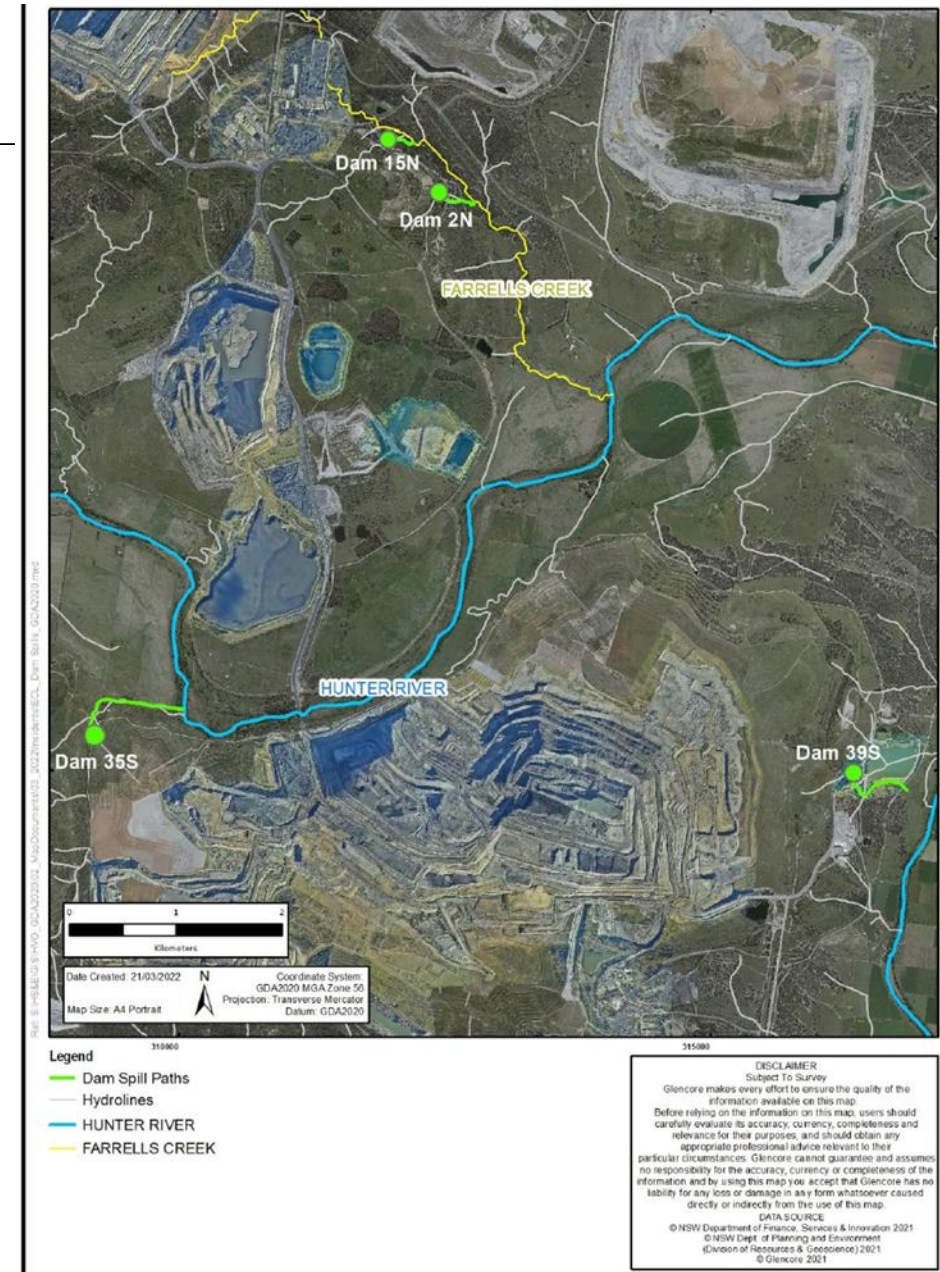


Figure 1: Dam Locations Overview

HVO Continuation Project – Update

Update:

- EIS study work ongoing with majority of technical assessments at report write up stage. Main EIS document currently being drafted.
- EPBC Referral being assessed by Federal department (DCCEEW). Decision delayed due to additional information requests.

What's next:

- Community Newsletter to be distributed in August with update.
- Consultation meetings with near neighbours to commence in September to discuss outcomes of technical studies and proposed mitigation measures
- Social Impact Assessment (SIA) interviews with EMM consulting will follow
- Further community information sessions to be scheduled for later in the year
- Consultation with government agencies and other stakeholders also required as per the SEARs
- EIS forecast to be completed prior to next CCC meeting but we will continue to provide monthly updates. Offer of extraordinary CCC meeting may be required to run through EIS outcomes
- EIS summary booklet will be distributed summarising key outcomes of studies

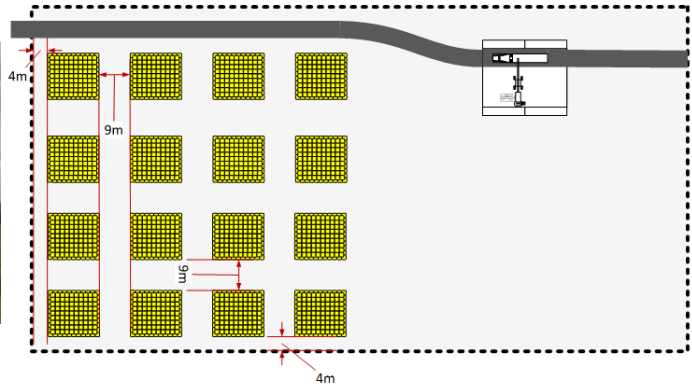


HVO South Modification – additional Ammonium Nitrate storage

- Proposal to store additional Ammonium Nitrate near the existing ANE plant in the South pit
- The proposed AN compound would be established to:
 - store AN stacks in a fenced open air compound
 - meet the minimum protected works distances for Class A, Class B and Vulnerable Facilities
 - be designed in accordance with Australian Standard AS4326
 - provide capacity to store up to 7,250 t of AN.
- Scoping Letter submitted to DPE



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Community

- Round One of our Community Grants Programme closed in June with a number of local organisations successful in obtaining funds totaling almost \$32,000 including:
 - Australian Stock Horse Society Eastern Branch - Eastern Branch ASHS Championships and Performance Weekend
 - Gold Sponsors of the Singleton Business Awards – Business Singleton
 - Fun Factory – Early Links Inclusion Support Services Inc
 - Jerrys Plains Bicentennial Celebrations - Friends of St James Church Jerrys Plains incorporated
 - Jerrys Plains Bicentennial Celebrations - Jerrys Plains Public School P and C
 - Mental Health First Aid Course - Jerrys Plains School of Arts Hall Inc
 - TrioBike Taxi for Residents - Mercy Services
 - Replacement Archery Targets - Glen Gallic Shooting Club Inc

Round Two of the programme is scheduled to open in September with an application link to be provided closer to the time.



Thank you gift from Jerrys Plains Public School for Bicentennial Celebrations donation



Attendees at the Mental Health First Aid Course, Jerrys Plains

Community Representative Feedback

CG

- Brian Atfield
- Cr Hollee Jenkins
- Janelle Wenham
- Todd Mills



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?