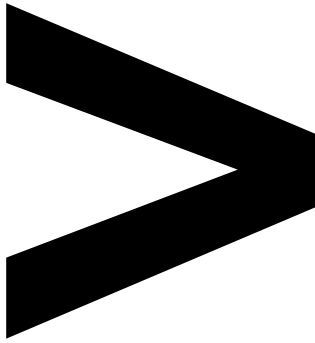




HUNTER VALLEY OPERATIONS

HUNTER VALLEY GLIDING CLUB AMENITY MANAGEMENT

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1 | PURPOSE

As an annexure to the Concessions and Mitigation Agreement (CMA), the purpose of this Amenity Management Plan (AMP) is to set out the detailed measures that will be put in place to properly manage noise, air quality and obstacle limitation surface (OLS) impacts on the Hunter Valley Gliding Club (HVGC) resulting from operations in Permitted Mining areas within Hunter Valley Operations (HVO) South.

This AMP was prepared to satisfy Condition 49 of Schedule 3 of the Project Approval, PA 06_0261 and generally in accordance with EIS and EAs for the Project Approval and subsequent modifications.

2 | BACKGROUND

HVGC owns land, and operates within, the HVO South project approval boundary. Refer to Figure 1.

The initial HVO South Project Approval (06_0261) was granted on 24 March 2009, with the latest modification ('Mod 8') approved 6 February 2023.

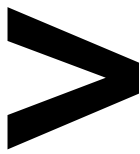
Condition 49, Schedule 3 of the approval requires the proponent to prepare an AMP for the HVGC. The AMP was approved by the Department of Planning and Environment on 22 January 2013.

The HVGC operates from a single grass airstrip approximately 1.6 kilometre (km) long and oriented along the vector 290° to 110° (west-north-west to east-south-east). In addition to the airstrip, HVGC facilities comprise a clubhouse, hangar/workshop buildings, glider trailer storage area, and caravan site. Although the HVGC site has no approval for permanent residential dwelling nor is it used for this purpose, it is occupied most weekends and on less frequent occasions it is occupied continuously for one to two weeks.

The previous owner of HVO, Coal and Allied, and the HVGC entered into a Deed of Agreement (Deed) for the 'Warkworth Airstrip' on 11 April 2002. The CMA between Coal and Allied (now HVO) and HVGC was subsequently prepared to replace the Deed. This AMP is an annexure to the CMA. Coal and Allied had developed the CMA to record concessions and mitigations made by Coal and Allied to the HVGC in consideration for the HVGC agreeing to the AMP. The CMA also acts as a written negotiated air quality and noise agreement (Relating to Conditions 2 and 19 of PA 06-0261).

The management measures outlined in this AMP are primarily based on activities in Permitted Mining areas as described in the CMA. In effect the AMP is a staged management plan, where certain management actions are required dependent on the status of mining activities in the Permitted Mining areas. The Permitted Mining areas include Glider Pit 1 (Riverview South East Extension Area), Glider Pit 2 and South Lemington Pit 2 (also known as Glider Pit 3 in Appendix A). The Riverview South East Extension Area as depicted in Figure 5.1 of the HVO South Project Environmental Assessment was reduced in size and only involves mining activities associated with Glider Pit 1. Figure 1 shows the location of the Glider Pits.

At the present time mining activities are not occurring and are not currently planned to occur in Permitted Mining areas. Status of Permitted Mining areas is as follows:



Glider Pit 1

A portion of Glider pit 1 has been mined, with overburden backfilled into the void rather than being placed adjacent to the runway as depicted in Appendix A. This area has been rehabilitated.

Glider Pit 2

Glider Pit 2 has been mined and rehabilitated.

Lemington South Pit 2

Lemington South Pit 2 (Glider Pit 3) is yet to be mined. Prior to commencing mining in South Lemington Pit 2, the Amenity Management Plan will be reviewed in consultation with the Hunter Valley Gliding Club and if necessary updated. HVO will commence reviewing the plan in consultation with the Hunter Valley Gliding Club 12 months prior to mining commencing.

While not a Permitted Mining area, Lemington South Pit 1 has been partially mined, and mining is approved to continue at some future time.

This AMP has been developed in consultation with HVGC with an initial meeting with the HVGC held on Friday 14 February 2020 to discuss the proposed changes to the AMP. Following this meeting, the HVGC provided feedback via email on 5 April 2020 and 8 October 2021. Changes to the plan as a result of consultation comments are detailed in Appendix F.

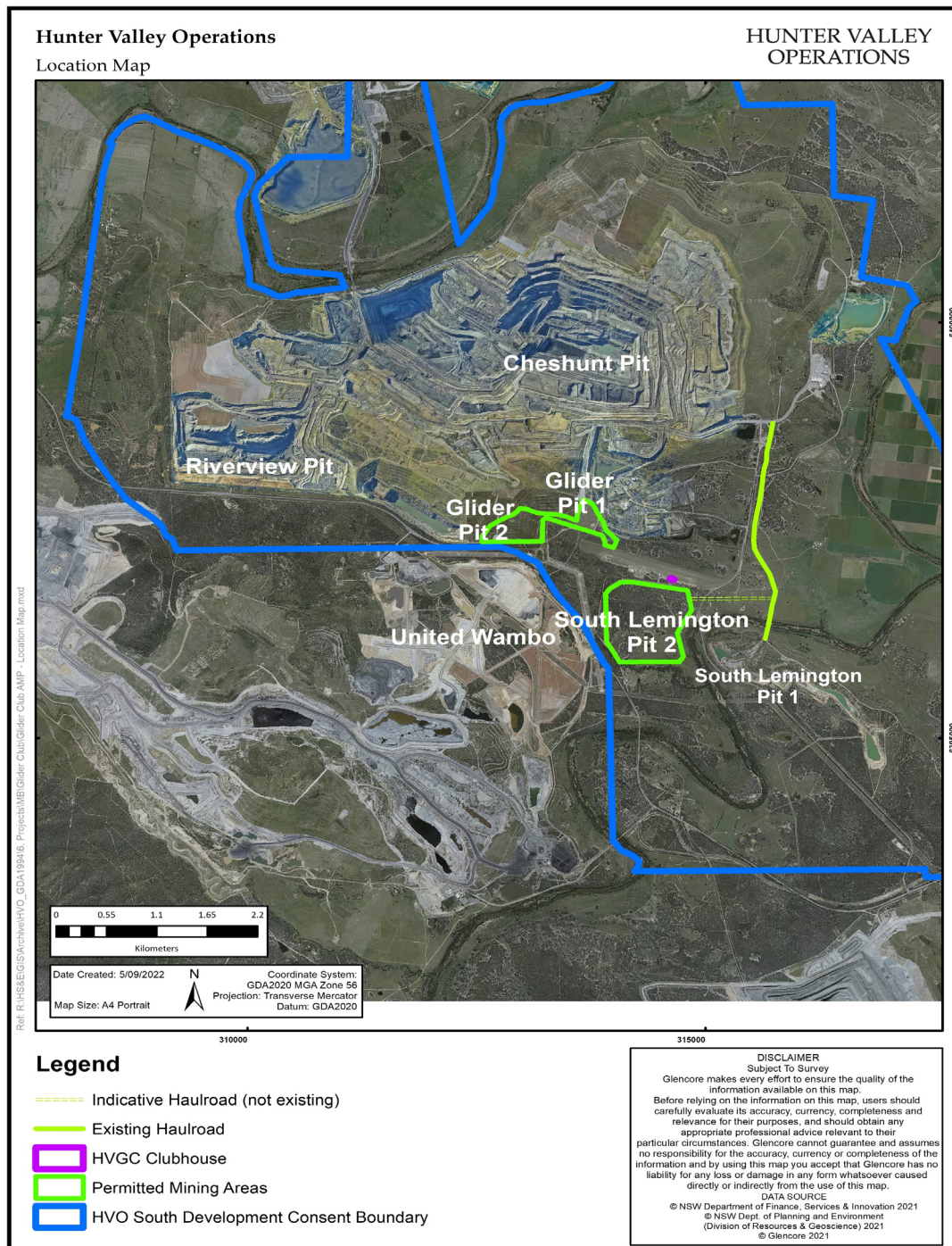
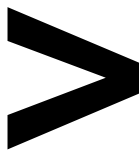


Figure 1 - HVGC within the Project Approval boundary of HVO South*



Note

The HVO South Project Approval (PA 06_0261) refers to the Riverview South East Extension Area which is shown in Figure 5.1 of the HVO South the HVO South Coal Project Environmental Assessment, ERM 2008. The extension area has been reduced to only include Glider Pit 1 mining. South Lemington Pit 2 is referred to as Glider Pit 3 in Appendix 1 of this plan.

3 | SCOPE

The scope of this AMP addresses amenity issues and other approval conditions that relate to the HVGC including OLS* considerations.

The relevant conditions are given below in Table 1.

Table 1 - Relevant PA 06_0261 Conditions to AMP

APPROVAL REFERENCE	APPROVAL CONDITION	RELEVANT SECTION OF AMP
Condition 2, Schedule 2	The Applicant must carry out the development generally in accordance with the: a. EA; b. statement of commitments; c. EA (Mod1); d. EA (Mod 2); e. EA (Mod 3); f. EA (Mod 4); g. EA (Mod 5); h. Modification Report (MOD 6); i. Modification Report (MOD 7); j. Modification Report (MOD 8); and k. development layout.	Section 1
Condition 2, Schedule 2A	The Applicant must carry out the development in accordance with the conditions of this consent.	Section 1
Condition 47, Schedule 3	While HVGC continues to use its facilities within the site, the Applicant must maintain an agreement with HVGC to address the potential impact of the mine on the use and operation of HVGC's facilities, including the potential impacts to the flight paths from dragline operations. This agreement must take into consideration the impacts of the dragline position on: • Useable length of the runway; • Interference with flight paths; • Guidelines of the Civil Aviation Safety Authority <i>Note: This condition shall cease to operate if both parties agree to terminate the agreement and the need of an agreement.</i>	Section 5.1
Condition 48, Schedule 3	The Applicant must not conduct any activity associated with the development above the obstacle limitation surface (OLS) as shown in Figure 2.3 of the HVO <i>South Coal Project Response to Submissions Report (July 2008)</i> unless agreed with HVGC.	Section 6.2



APPROVAL REFERENCE	APPROVAL CONDITION	RELEVANT SECTION OF AMP
Condition 49, Schedule 3	The Applicant must develop an Amenity Management Plan for HVGC's facilities within the site. This Plan must: a. be prepared in consultation with HVGC	Section 2
	b. be submitted to the Planning Secretary for approval 6 months prior to the commencement of mining in the Riverview South East Extension Area, or otherwise agreed by the Planning Secretary;	N/A. Plan approved Jan 2013. Mining in South East Extension Area (Glider Pit 1) commenced in 2014.
	c. include a risk assessment to identify those circumstances most likely to generate impacts from mining operations on gliding activities and use of the club's residential facilities;	Section 4
	d. include details of any proposed modifications to the HVO South mine plan to mitigate the potential impacts identified in the risk assessment required under paragraph (c);	Section 4
	e. identify and implement management for mining activities to ensure that air safety impacts are minimised and OLS limits in condition 48 are adhered to;	Section 6.1
	f. identify and implement management measures for mining activities to ensure that air quality and noise emissions meet respective impact assessment criteria, or obtain written agreement from HVGC to exceed these criteria;	Section 6.3 and 6.4 and 7.3
	g. include a program to monitor and report on the effectiveness of the mine plan modifications required under paragraph (d) and the management measures required under paragraphs (e) and (f); and	Section 4.2
	h. include notification procedures for prior notification of potentially disruptive activities at either HVO South or the HVGC site and procedures for notifying HVGC of any exceedances of the relevant impact assessment criteria and/or OLS limits at HVO South. to the satisfactory of the Planning Secretary.	Section 7.2, 7.3 and 7.4



APPROVAL REFERENCE	APPROVAL CONDITION	RELEVANT SECTION OF AMP
	If the Applicant and HVGC cannot agree on the level or composition of the Amenity Management Plan, then either party may refer the matter to the Planning Secretary for resolution. Should HVGC cease to operate its facilities at the site, the Applicants obligations under this condition shall cease. The Amenity Management Plan, must be reviewed in consultation with HVGC and if necessary updated, prior to the commencement of mining in South Lemington Pit 2.	Section 8 Section 8

* CASA 2003 defines an OLS as “conceptual (imaginary) surfaces associated with a runway, which identify the lower limits of the aerodrome airspace above which objects become obstacles to aircraft operations”.

In addition, the AMP covers the management of additional HVGC infrastructure including access roads, services, drainage, and fencing, as outlined in the CMA commitments in Table 2.

Table 2 - Relevant CMA Conditions relevant to AMP

CMA REFERENCE	CMA COMMITMENT	RELEVANT SECTION OF AMP
Schedule 1	During Permitted Mining, Coal and Allied will: a. relocate the phone lines to a point nominated by the Gliding Club on Gliding Club Land;	Section 5.4
	b. relocate the power lines to a point nominated by the Gliding Club on the Gliding Club Land;	Section 5.4
	c. implement the monitoring commitments set out in the Amenity Management Plan;	Section 6
	d. if determined by the Gliding Club as being necessary, construct a new 'all weather' road access from Comleroi Road to the Clubhouse with adequate drainage and crash safe fencing and gates;	Section 5.4
	The location of phone lines, power lines, monitoring sites and (if needed) access road and fencing and gates affecting the Gliding Club Land is to be reasonably acceptable to the Gliding Club.	Section 5.4

4 | DEVELOPMENT OF THE AMP

The following tasks were undertaken in the development of the AMP:

- a risk assessment to identify those circumstances most likely to generate impacts from mining operations on:
 - gliding activities, and
 - use of the HVGC's residential facilities;
- modification to the existing mine plans to minimise the potential for impact of the identified risks;
- assessment of the modified mine plan to identify the potential impacts to:
 - amenity and
 - the OLS;
- development of
 - management and monitoring measures and
 - notification procedures to manage potential impacts;
- report development.

A parcel of land located to the south-west of the airstrip is owned by United Collieries Pty Limited (United). The 'revised mine plan' or 'revised Glider Pit mine plan' (Appendix D) assumed a scenario of HVO acquiring that United owned land and encroaches on this land.

Mine progression plans' (Appendix D:) are superseded. They are included as an historic reference point, to indicate the extent of mining on which the impact assessments in this AMP were based.

The revised Glider Pit mine plan (Appendix A) has formed the basis of air quality, noise, air safety and infrastructure assessments presented in this Plan.

This Plan outlines the greatest predicted impact on the Gliding Club. As the permitted mine plan does not utilise the United-owned land, therefore it would be possible for the level of impact to be less than that outlined, due to the disturbance footprint being smaller.

The 'Permitted Mining' (refer to the mine progression schematic, Appendix A) excludes mining on the United owned land.

It is noted that, during the course of operational implementation, minor alterations to these mine plans may occur. However, the potential environmental and safety impacts would remain as described in this AMP and managed accordingly.

It is also noted that at the time of updating this Plan, active mining is not currently occurring in Glider Pits 1 or 2 or Lemington South Pits 1 and 2.

4.1 | ASSESSMENT OF RISKS

Risks to HVGC arise from safety, environmental amenity and infrastructure considerations, specifically:

- the potential intrusion of mining equipment above the OLS, an air safety issue;
- loss of amenity due to unacceptable air quality;
- loss of amenity due to excessive noise; and
- disruption to HVGC infrastructure from mining activities

4.1.1 | SAFETY

Currently HVO are not actively mining the Permitted Mining area. If mining activities recommence in the future, HVO must only position operating equipment above the OLS with the permission of the HVGC; i.e. removing the possibility of operating equipment interfering with HVGC aircraft.

4.1.2 | EXCEEDANCE OF NOISE AND AIR QUALITY LIMITS

Risk assessments, and preliminary noise and air quality modelling determined that the probability of exceeding approval limits for noise and air quality is a function of the simultaneous occurrence of the following:

1. HVGC being used or occupied;
2. mining equipment operating in the south eastern area of the Glider Pit (Glider Pit 1) (referred to as the Riverview South East Extension in the HVO South Coal Project Environmental Assessment, ERM 2008); and
3. the presence of westerly winds or winds having a westerly component.

At the time of updating this Plan, active mining is not currently occurring in Glider Pits 1 or 2. Therefore, by eliminating mining equipment outlined in point 2, the probability of exceeding noise and air quality limits would be low.

4.1.3 | DISRUPTION TO HVGC INFRASTRUCTURE

The potential for mining activities to interfere with specific HVGC infrastructure was assessed and means of ensuring the satisfactory use and maintenance of the item (if required) was determined. Refer to Section 5.4.

4.2 | MINE PLANNING

A portion of Glider Pit 1 has been mined, with overburden backfilled into the void rather than being placed adjacent to the runway as depicted in Appendix A. This area has been rehabilitated, and subsequent mining is not currently planned. Glider Pit 2 has been mined and rehabilitated. Lemington South Pit 2 is yet to be mined. Lemington South Pit 1 has been partially mined, and mining is planned to continue at some future time.

See Figure 2 for aerial showing current landform map.

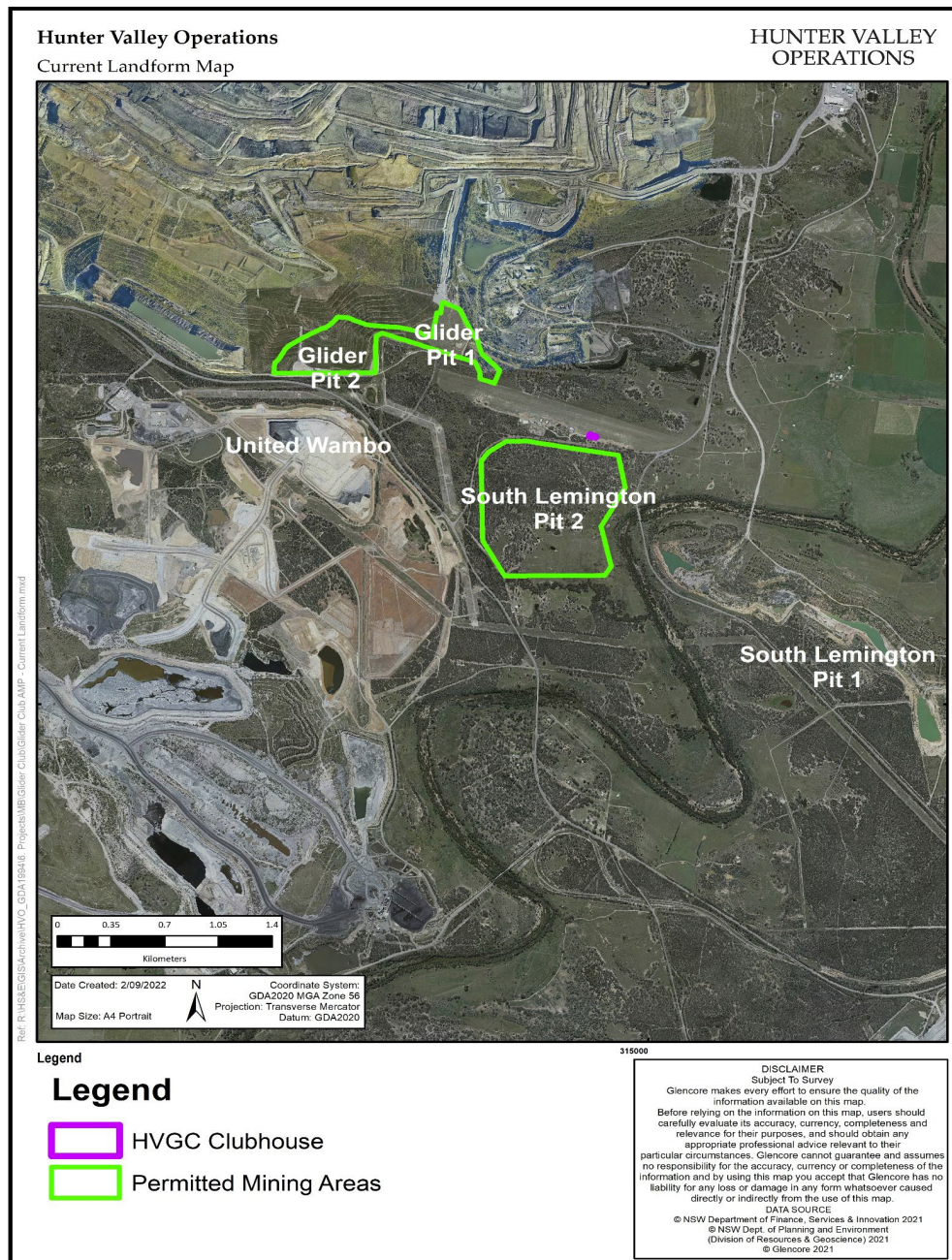
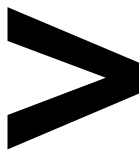


Figure 2 - Current landform map of Glider Pit (Glider Pits 1 and 2 which have been mined)

Changes to the approved mine plan would require modification to the HVO South Project Approval and would trigger a review of this Plan.



5 | POTENTIAL IMPACTS ON THE HVGC

5.1 | OBSTACLE LIMITATION SURFACE (OLS)

There are currently no guidelines for air space protection around glider runways. The Civil Aviation Safety Authority (CASA) has developed equivalent guidelines for aerodromes, which will be applied to this project. CASA identifies the need to maintain OLS surrounding runways. The OLS have been defined for the HVGC runway, in accordance with CASA guidelines, as shown in Figure 3.

With respect to Condition 48 (see Section 3), design of the pit and overburden dumps and mine planning in the proximity of the HVGC has sought to avoid breaching the OLS where possible.

Mining within the Glider Pits 1 and 2 area has ceased, however if mining recommences in the area, pre-strip mining operations using trucks and electric shovels/excavators or loaders may be undertaken to lower the final dump surface to below the OLS. No permanent structures, spoil dumps or final landform will be above the OLS. Breaches of the OLS will be restricted to short-term intrusions by equipment.

At present only rehabilitation maintenance works within the Glider Pits 1 and 2 at HVO South have the potential to encroach on air space near the HVGC airstrip. When the HVGC is in use, and if not appropriately managed, this could pose an air safety hazard for aircraft during take-off and landing, i.e. when they are low-flying.

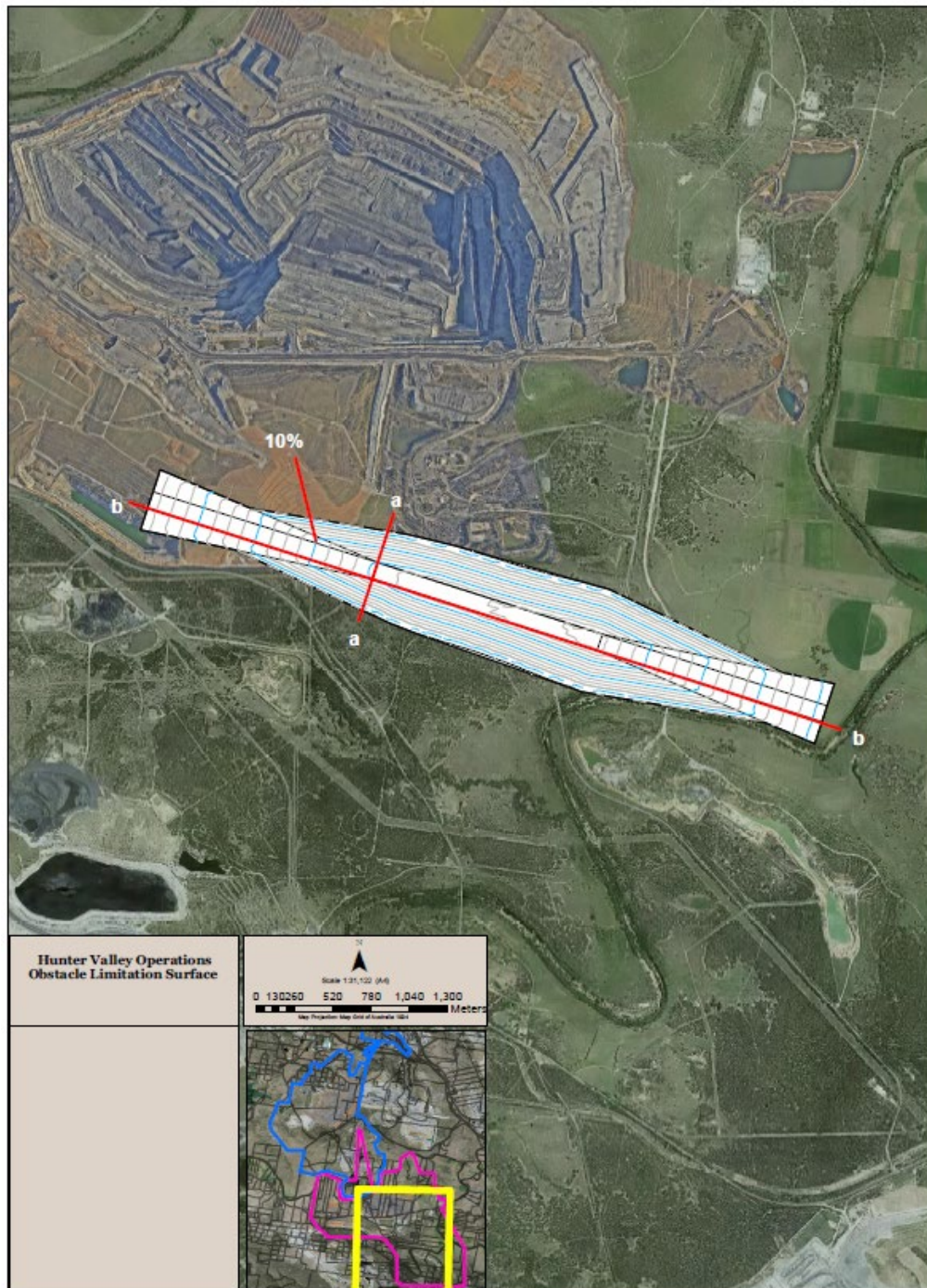
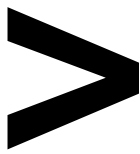


Figure 3 - Obstacle Limitation Surface at HVO (note that 5% or 1 :20 gradient from the ground surface level of the airstrip at line a to a maximum height of 80. 20% of 1;5 gradient from the ground surface level of the airstrip at line b to a maximum height of 45

HVO are only to breach the OLS subject to implementation of strict management and notification protocols, as set out in Section 7.2.2 and subject to prior agreement with the HVGC. The measures protect the safety and continuity of gliding activities at the HVGC, whilst allowing HVO to optimise resource recovery from its land.

5.2 | NOISE

An assessment of the potential noise impacts resulting from the revised mine plan was undertaken by EMGA, 2009. Potential impacts and management are summarised in section 6.3. The full report is found in Appendix B.

5.2.1 | NOISE APPROVAL LIMITS

Table 2 (Noise impact assessment criteria dB(A) in Schedule 3 Condition 2 of PA 06_0261 stipulates noise limits.

The noise criterion for the HVGC during the day, evening and night is 55 dB(A) Leq (15 minute). The condition notes that “Noise impacts at HVGC are to be assessed in the immediate vicinity of its residential facilities and/or clubhouse. Noise impact assessment limits are only applicable during times of use that have been notified by HVGC to the Proponent”.

HVO’s existing environmental management plans and procedures, which include ongoing noise monitoring, will be used to assess the performance of the mining operations against the Project Approval noise limits. These are addressed in Section 6.3.

A negotiated written noise agreement (CMA) with the HVGC as outlined in Condition 2 of the project approval sets out how HVO is required to manage exceedances of the noise approval limits. Management measures are described in Section 6.3.

5.3 | AIR QUALITY

An assessment of the potential air quality impacts resulting from the modified mine plan was undertaken by PAE Holmes, 2009. Potential impacts and management are summarised in section 6.4. The full report constitutes Appendix C.

5.3.1 | AIR QUALITY APPROVAL LIMITS

Schedule 3, Condition 19 of PA 06_0261 (Table 8) provides Air Quality assessment criteria relevant to the HVGC. Criteria from Table 8 have been extracted and reproduced in Table 3 of this management plan. Table 3. Air Quality Criteria from Table 8, Schedule 3, Condition 19 of PA 06_0261.

POLLUTANT	AVERAGING PERIOD	CONCENTRATION
Particulate Matter <10µm (PM10)	24-hour Annual	50 µg/m ³ 25 µg/m ³
Particulate Matter <2.5µm (PM2.5)	24-hour Annual	25 µg/m ³ 8 µg/m ³
Total suspended particulate (TSP) matter	Annual	90 µg/m ³

The condition notes that “Air Quality impacts at HVGC are to be assessed in the immediate vicinity of its residential facilities and/or clubhouse. Air Quality limits are only applicable during times of use that have been notified by HVGC to the Applicant”.

The condition also notes that “if the Proponent has a written negotiated air quality agreement with any landowner or HVGC to exceed the air quality limits in Table 8 and a copy of this agreement has been forwarded to the Department and EPA, then the Proponent may exceed the air limits in Table 8 in accordance with the negotiated air quality agreement”.

A written negotiated air quality agreement with HVGC (CMA) as outlined in condition 19 of the project approval sets out how HVO is required to manage exceedances of the air quality approval limits. Management measures are described in Section 6.4.

5.4 | INFRASTRUCTURE (NOT CURRENTLY TRIGGERED)

Infrastructure matters as outlined in Section 13, and Schedule 1 of the CMA are discussed below. Note that if these items are required by the HVGC, their locations must be nominated by the Club, and ‘the location of phone lines, power lines, monitoring sites and (if needed) access road and fencing and gates affecting the Gliding Club Land is to be reasonably acceptable to the Gliding Club’.

The infrastructure requirements discussed in Section 5.4.1 to 5.4.4 have arisen from discussions with HVO and the HVGC in the event that HVO commences mining in South Lemington Pit 2 south of Comleroi Road. This may result in Comleroi Road being closed and access to HVGC then being provided via the private road and a new entry at the intersection of the private road and Comleroi Road. In this case improved fencing may be required to separate the mine operations from the HVGC, in addition to the potential for water flows to be modified.

5.4.1 | ACCESS ROADS

An all-weather access road, if required, will be constructed from Comleroi Road to the Clubhouse. The road will continue to provide 24 hour / 7 days per week access for vehicles including cars towing glider trailers and semi-trailer fuel trucks. The road will be constructed with sufficient load capacity for occasional use by fuel trucks. The road will be maintained over the life of the mine and will be constructed with adequate drainage. that would provide a problem for long glider trailers.

5.4.2 | POWER AND TELEPHONE SERVICES

If required, power and phone lines will be relocated within the Gliding Club Land. Unrestricted 24 hour/7 days per week power and telephone services will be maintained.

5.4.3 | DRAINAGE OF SURFACE RUNOFF

If any earthworks have the potential to interfere with existing surface water drainage, then the design and implementation of those earthworks will include facilities to ensure that surface water continues to be drained at least to the existing standard. Temporary earthworks will be maintained to be effective throughout the duration of earthworks. Permanent surface water drainage will be designed and constructed so that they remain effective during and beyond the mine life.

5.4.4 | FENCING CONSTRUCTION

Crash safe fencing and gates on the access road from Comleroi Road to the Clubhouse (if constructed) will be provided, if required. The design and materials used will be considered in consultation with the club.

6 | MANAGEMENT AND MONITORING MEASURES

6.1 | COMPENSATION FOR MINING IMPACTS

In accordance with Section 13.12 of the Concessions and Mitigation Agreement (CMA), if the HVGC is deemed to be impacted by Permitted Mining and meets all conditions of Section 13.11 of the CMA the HVGC is entitled to seek compensation for these impacts from HVO.

6.2 | OBSTACLE LIMITATION SURFACE

Management measures to address the proposed breaches of the OLS are as follows:

- implementation of notification protocols between HVO and the HVGC, regarding the timing of gliding activities and the nature of proposed OLS breaches by HVO (see Section 7 for further detail);
- implementation of dust control measures set out in Section 6.4, to minimise the potential for dust to breach the OLS; and
- lighting and/or marking of obstacles, in accordance with CASA guidelines, to improve the safety of unannounced aircraft in the event that mining in the Permitted Mining area recommences.

6.3 | NOISE

6.3.1 | MANAGEMENT MEASURES

Detailed noise management procedures currently govern the management of noise across HVO South as detailed in the [HVO Noise Management Plan](#), and the [HVO Blast Management Plan](#).

Management measures relating specifically to the HVGC include:

- When operating in Glider Pits 1 and 2, existing analysis of wind data identifies the night period as when prevailing westerly winds are prominent and will cause mining noise levels at the HVGC to be elevated. Mining in South Lemington Pit 2 is likely to result in higher levels during south easterly winds.
- A record of times the HVGC will be used at night for recreation should be maintained with the proponent, as required by the Project Approval. If HVO recommences mining within the Permitted Mining area, planned night time mining activities within this area will need to consider prevailing winds for the coming evening and night; and
- If HVO recommence mining within the Permitted Mining area, a risk assessment will be conducted to ensure sufficient noise controls are in place.

6.3.2 | MONITORING MEASURES

Ongoing noise monitoring will be used to assess the performance of the mining operations against the Project Approval noise limits. HVO's noise monitoring programme includes a combination of real-time and attended monitoring measures and noise monitoring protocol for evaluating compliance with the noise impact assessment criteria in the Project Approval.

Additional measures relating specifically to the HVGC during Permitted Mining are:

- If HVO recommence mining within the Permitted Mining area, confirm mining noise levels from the area by undertaking monitoring initially on evenings and nights the HVGC is not being used, and thereafter as part of HVO's monitoring program. This monitoring is to continue whilst the HVGC is being used at night and until such time mining in the Permitted Mining area is concluded. Monitoring may also be triggered by any complaints from the HVGC occupants. Features of the monitoring to be undertaken include:
 - monitoring will be undertaken at the most affected point at the Hunter Valley Gliding Club, in accordance with the Noise Policy for Industry (NSW EPA, 2017). If this is not possible, an alternative suitably representative location will be used;
 - frequency and timing of monitoring will ensure adequate samples are taken to represent noise received by the HVGC and would target nights when forecast conditions indicate potential for elevated noise.
 - the monitor must capture noise metrics such as L90,15minute, Leq,15minute, L10,15minute and Lmax both as a total value and as determined as a sole contribution from HVO South, where possible;
 - observations made during monitoring must include descriptions of the source of noise to such detail that the source's direction can be confirmed and its character and nature be identified, with a view to maximising the potential of positively identifying any source that may be exceeding limits or is otherwise dominant; and
 - if monitoring shows that mining noise levels at the HVGC exceed the Project Approval, an investigation into the source of the exceedance must be undertaken within one week of the identified exceedance or prior to the next use of the club facilities. All reasonable and feasible mitigation of such exceedances must be considered and adopted to ensure noise levels are minimised and reduced to below approval limits, unless an alternate agreement is obtained from the HVGC.
- As per [HVO's Noise Management Plan](#), exceedances are also notified to the Mine Supervisor directly following a measurement to enable investigation into the source of the noise and any required modifications on the night.
- If occupiers experience nuisance noise during the use of accommodation, the club may call the mine using the protocol in Section 7 and request that the mine review its activities to identify and mitigate the offensive source. This may require additional attended noise monitoring or field inspection by HVO staff at the club to verify whether the noise is creating a nuisance. A mine representative would assess the noise and if required implement operational controls such as change to dumping or shutting down of appropriate equipment.

6.4 | AIR QUALITY

6.4.1 | MANAGEMENT MEASURES

Detailed air quality management procedures currently govern the management of air quality across HVO South, as detailed in the [HVO Air Quality Management Plan](#).

Unfavourable air quality scenarios modelled for the Gliding Club are based on HVO operating the dragline and mining equipment within Glider Pit 2. Mining works in the Glider Pits 1 and 2 had ceased at the time of updating this AMP, and rehabilitation works are complete.

Options that will be considered should unacceptable dust from Permitted Mining be interfering with HVGC activities on negotiated days include equipment used, location of operations and the potential for campaign mining.

If the day is one nominated by HVGC as a “gliding day” and an air quality alarm (see Table 4) has been received by HVO in the preceding 2 hours, then HVO personnel will assess the situation and determine if, based on an analysis of wind direction, activities in the Permitted Mining area are responsible. If they are, then HVO shall ensure a progressive reduction in activities leading to reduced dust emissions as follows (see the Risk Response Matrix from the [Air Quality Management Plan](#)):

- notify HVGC of air quality alarm(s);
- implement changes to operations (activities in the Permitted Mining area) to reduce impact;
- communicate with Dispatch operational changes made and to verify effectiveness of changes; and
- if the modifications are deemed effective: document the source and operational changes made in alarm response system if the modifications are not effective then the potential contributing source(s) should be reassessed and likely contributing equipment suspended.

Any complaint received from the club regarding air quality, will be investigated, and, where the investigation identifies potential non-compliance against a consent or licence condition, mitigating action will be taken. Investigation into air quality complaints will generally involve a visual inspection of operating areas and a check of real time monitoring data to confirm dust levels at nearby sensitive receptors.

The details of all air quality complaints, and any mitigating actions taken, will be circulated to senior management. Where requested, follow-up correspondence with the complainant will be provided.

In accordance with the conditions of EPL 640 relating to handling of pollution complaints, HVO will maintain a register of complaints, recording the following information (at minimum):

- the date and time of the complaint;
- the method by which the complaint was made;
- any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
- the nature of the complaint;
- the action taken by the licensee in relation to the complaint, including any follow up contact with the complainant and;
- If no action was taken by the licensee, the reason why no action was taken.

A record of each complaint will be kept for a minimum of four years and will be produced on request to any authorised officer of the EPA.



6.4.2 | MONITORING MEASURES

Ongoing air quality monitoring will be used to assess the performance of the mining operations against the Project Approval air quality limits. The existing HVO air quality monitoring system includes depositional dust gauges, high volume air samplers and monitors to measure PM₁₀ concentrations in real-time as shown in Figure 4.

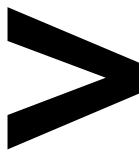
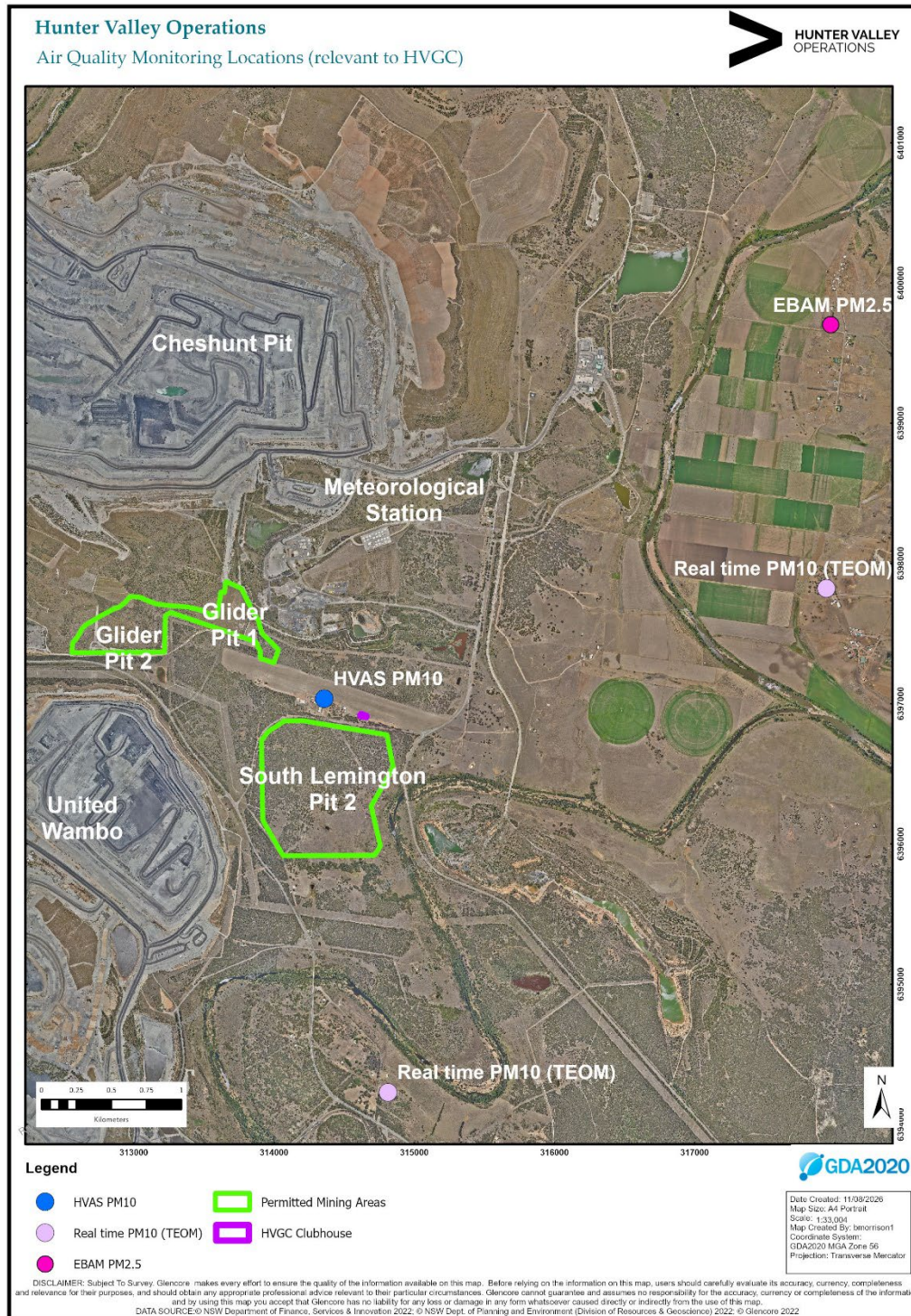


Figure 4 -
of Air
Monitors



Additional requirements relating specifically to the HVGC are:

- PM_{2.5} will be assessed using HVO's Maison Dieu Environmental Beta Attenuation Mass (EBAM) monitor as a representative monitor of HVO South operations;
- Operation of a PM₁₀ High Volume Air Sampler (HVAS) monitor in the vicinity of the club house or other location as agreed with HVGC, and sampling from the monitor at the frequency of every sixth day; and
- Implementation and response to real-time air quality and high wind alarms from HVO's existing "Warkworth" and "Knodlers Lane" real-time PM₁₀, and "Cheshunt" meteorological monitoring stations, (Table 4), including review of operations and modifications as required (as per Section 6.4.1).

Prior to mining in Permitted Mining areas an update to the Management Plan would occur to include installation of a real-time dust monitor on the HVGC site

Table 4 - HVGC Air Quality Impact Assessment Criteria

MONITORING LOCATION	TRIGGER LEVEL	RESPONSE ACTIONS
HVO Cheshunt Met Station	Wind Speed >8m/sec	• Validation of alarm (verify monitors functioning correctly and review meteorological conditions) • Notify relevant Open Cut Examiner • Response as per flowchart below
Knodlers Lane and Warkworth	Stage one • 10 min average PM₁₀ > 150µg/m³ (winds in arc of mine to monitor) • 1 hour average PM₁₀ > 50µg/m³ for three consecutive hours (winds in arc of mine to monitor) Stage two • rolling 24hr average PM₁₀ > 50µg/m³ for six consecutive hours (winds in arc of mine to monitor) • 10min average PM₁₀ >150 µg/m³ for three consecutive hours (winds in arc of mine to monitor)	

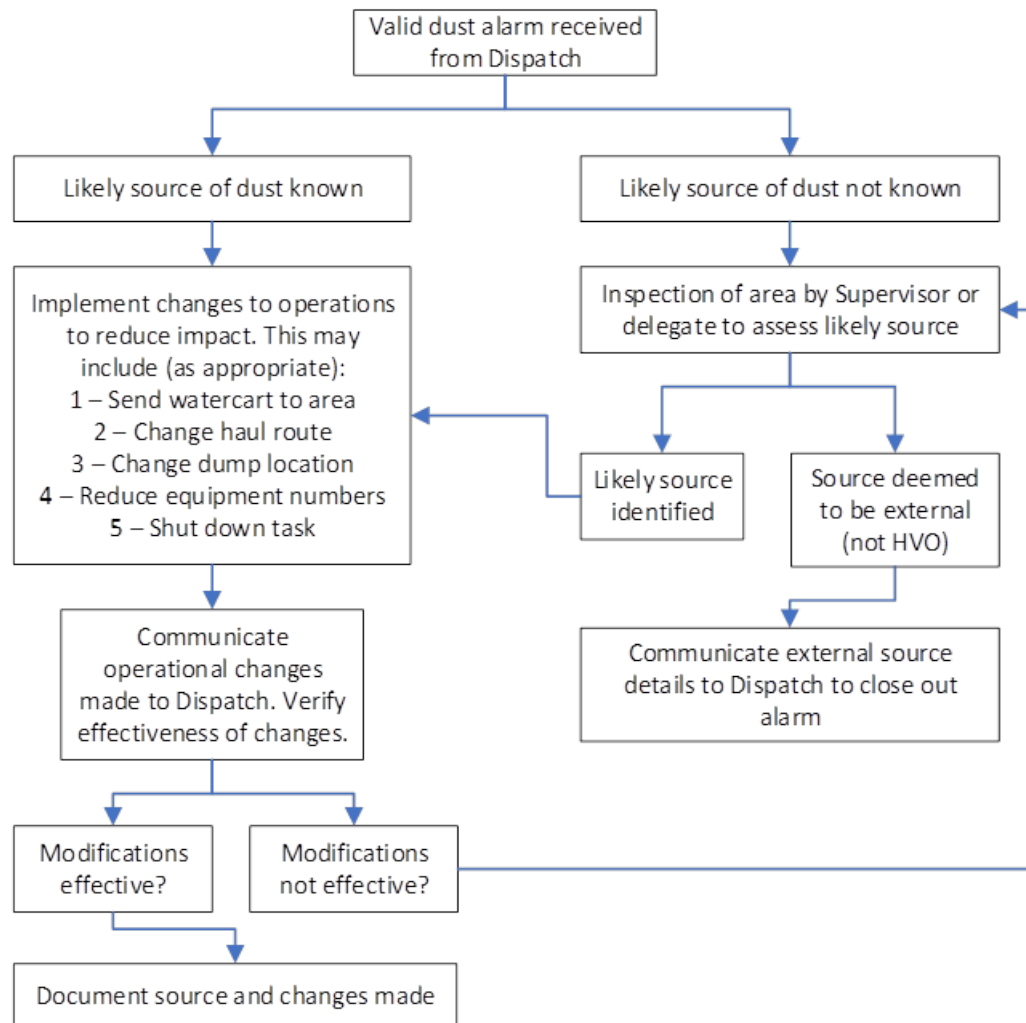
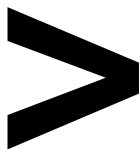
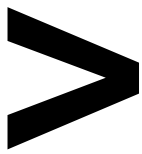


Figure 5 - Response to real-time dust alarm.



7 | NOTIFICATION PROCEDURES

Notification procedures have been developed between HVO and HVGC for the following circumstances during Permitted Mining:

- proposing to have mining equipment above the OLS;
- exceeding noise limits;
- exceeding air quality limits;
- planned gliding activities and residential occupancy at the HVGC; and
- blast notification.

7.1 | NOTIFICATIONS

7.1.1 | NOTIFICATION FROM HVGC TO HVO:

Environmental Complaints from members of the HVGC can be lodged via the HVO Complaints and Blasting Hotline (1800 888 733)

General notifications: Environmentandcommunity@hvo.com.au

7.1.2 | NOTIFICATION FROM HVO TO HVGC:

Email notifications are sent to: secretary@hvgc.com.au and treasurer@hvgc.com.au.

7.2 | OLS IMPINGEMENT PERMISSION PROCEDURE

7.2.1 | PURPOSE

By obtaining permission from the HVGC to breach the OLS at nominated times and locations, HVO will ensure that aircraft safety will not be compromised through having an unknown obstacle in an airspace that could reasonably be entered by aircraft operating out of the HVGC facility.

7.2.2 | PROCEDURE

A member from the HVO Environment and Community team will advise in writing that the company wishes to operate plant/equipment which extends above the OLS. HVO will provide the following details:

- nature of the obstacle which will enter the OLS;
- distance and bearing of the obstacle from the runway;
- height of the obstacle in relation to the runway elevation; and
- length of time it will be an obstacle.

The correspondence will be addressed to the Secretary of the HVGC. The Club will be obliged to indicate permission or otherwise within four days of the receipt of the correspondence. Copies of the correspondence are to be retained for the duration of mining operations being in the vicinity of the airstrip. Correspondence by email will be satisfactory.

7.3 | PROCEDURE TO ADVISE THAT A NOISE OR AIR QUALITY LIMIT HAS BEEN EXCEEDED

7.3.1 | PURPOSE

The provision of this information by HVO will enable the HVGC to gauge the efficacy of the measures that are to be put in place to deliver acceptable noise and air quality levels at the site and to respond if the organisation deems it is warranted.

7.3.2 | PROCEDURE

HVO will advise the HVGC if noise set out in the approval conditions are exceeded within seven days of the receipt of the final report. The correspondence will be addressed to the Secretary of the HVGC. Copies of the correspondence are to be retained for the duration of mining operations being in the vicinity of the airstrip. Correspondence by email will be satisfactory.

7.4 | GLIDING ACTIVITIES AND OCCUPANCY ADVICE PROCEDURE

7.4.1 | PURPOSE

An understanding of HVGC's planned activities and residential occupancy would assist HVO with the planning of its mining operations. For example, if a major gliding event was planned for a certain date, the mining operations for that day or days could be conducted to minimise impacts in terms of dust and noise for the club and its patrons.

7.4.2 | PROCEDURE

The HVGC will advise in writing the club's planned quarterly activities. The advice will highlight major events. The advice will be furnished again at the start of the second twelve months of the operation of this AMP. The HVGC will advise HVO of any changes to major event plans as soon as practical after such changes become known to the HVGC. HVO will acknowledge receipt of the HVGC's advice within one week of receiving it. Correspondence by email will be satisfactory. The correspondence should be addressed to HVO Manager Environment and Community (HVO) via: Environmentandcommunity@hvo.com.au which is received by all members of the Environment and Community Team.

Should use of the site be scheduled at short notice and that use is not part of the annual planned activities already advised to HVO, the HVGC should advise HVO of these activities. This should occur as soon as practicable once the activities are known by the HVGC.

7.5 | BLASTING MANAGEMENT MEASURES

Detailed blast management procedures currently govern blast management across HVO South as detailed in the [HVO Blast Management Plan](#). Standard notification procedures require that HVO provide notification of the blasting schedule to all interested landholders within 2km of the mining area. To meet this procedure HVO provides the following notification methods:

- blasting hotline and subscription SMS service for most up-to-date blasting time information
- advertise the blasting hotline in the local paper and HVO website.
- up-to-date blasting schedule published on the HVO website.

In addition to the standard procedure HVO will apply the following procedure to proposed blasting by HVO Mine within 500 metres of the Gliding Club Land.

1. HVO Mine to provide the Gliding Club notice of the proposed blast on the Friday in the week prior to the blast.

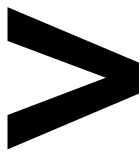
That notice will be in writing and emailed to: secretary@hvgc.com.au and treasurer@hvgc.com.au

The blast notification will include a map setting out the proposed location of the blast and the 500 metre exclusion zone from it.

2. A second notice will be given on the morning of the day of the blast.

The second notice will be given in the same manner and to the same personnel as the first notice in 1.

3. HVO personnel will also access the “HVO edit” web page on the HVGC web site to maintain notifications about time and place of intended blasts and to remove those notifications when the blast activity has been completed or cancelled.
4. In addition to the notice in 1 and 2, on the morning of the day of the blast HVO personnel will place the following sign at the entrance to the Gliding Club:
 - Blast Notification
 - A blast is scheduled for [time] am/pm on [date].
 - The blast will impact for approximately [] minutes,
5. In addition to the notice requirements above, in the hour prior to the blast, HVO personnel will physically inspect the Gliding Club Clubhouse and the areas about the caravans and hangers to confirm that there are no individuals within the blast exclusion zone. Once cleared, a blast sentry will be placed either at the entrance to the Gliding Club or along Comleroi road in both directions of travel.
6. HVO will also assign a suitably experienced, trained and qualified person to give 10 minute, 5 minute and 1 minute warnings ahead of firing on the local aeronautical frequency of 126.7 MHz and for this period monitor the local aeronautical frequency.
7. This procedure will apply to all proposed blasts within 500 metres of the Gliding Club Land, and the purpose of the notification is to ensure the following exclusion zones:
 - No person within 500 metres of the proposed blast location once sentries have been put in place.
 - No person within 500 metres of the proposed blast until the “all clear” given and sentries are removed from their post.
8. This blast notification procedure is subject to review at any time if reasonably requested by HVO or the Gliding Club.



9. Except in the case of emergency where a blast is required to proceed for mine safety, blasting within 500 metres will not be scheduled to take place on days when the Gliding Club has advised HVO that gliding operations are scheduled.

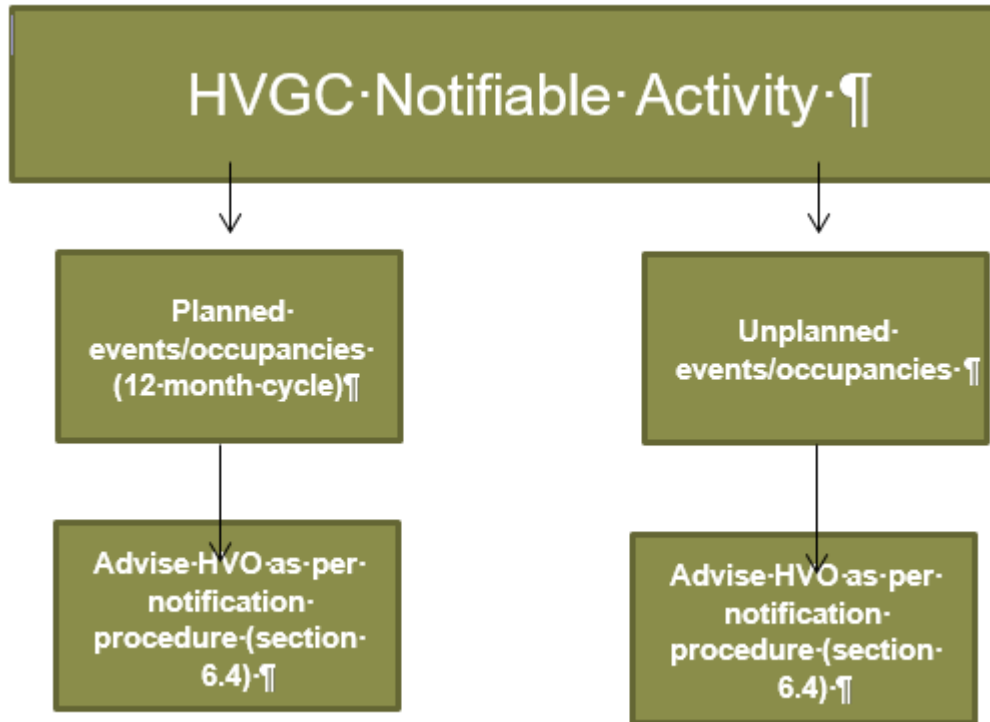


Figure 6 - HVGC Notifiable Activity

8 | AMP REVIEW

A review of the AMP will be undertaken as per Condition 4A of Schedule 5 of the Project Approval. Prior to commencing mining in South Lemington Pit 2, the Amenity Management Plan will be reviewed in consultation with the Hunter Valley Gliding Club and if necessary updated and published on the HVO website as required by Condition 9 of Schedule 5 of PA 06_0261.

In the event that the HVGC cease to operate its facilities at the site, HVO obligations shall cease. If HVO and the HVGC cannot agree on the level or composition of the Amenity Management Plan, then either party may refer the matter to the Secretary for resolution.

Any major amendments to the AMP that affect its application will be undertaken in consultation with the appropriate regulatory authorities and the HVGC. Minor changes such as formatting edits may be made with version control.

9 | ACCOUNTABILITIES

ROLES	ACCOUNTABILITIES
Environment and Community Superintendent, HVO	- Review and revise the AMP as required. - Provide relevant notifications to HVGC. - Coordinate monitoring activities. - Coordinate implementation of infrastructure if mining in Lemington Pit 2 is to commence. - Notify HVGC in relation to - Mining equipment above the OLS - Exceeding noise limits - Exceeding air quality limits - Blast notifications
Mine Supervisor, HVO	Respond to air quality alarms and noise exceedances and make modifications as required.
HVGC	Advise HVO of planned gliding activities and residential occupancy at the HVGC

10 | DEFINITIONS

NAME/TITLE	DESCRIPTION
AMP	Amenity Management Plan
CASA	Civil Aviation Safety Authority
CMA	Concessions and Mitigation Agreement
Coal and Allied	Coal and Allied Operations Pty Limited, former owner of HVO. HVO is currently operated under a Joint Venture between Yancoal and Glencore.
DA	Development Application
Day	Monday to Saturday 7am to 6pm and Sundays and Public Holidays 8am to 6pm

NAME/TITLE	DESCRIPTION
dB(A)	Noise is measured in units called decibels (dB). There are several scales for describing noise, the most common being the 'A-weighted' scale. This attempts to closely approximate the frequency response of the human ear.
DPHI	NSW Department of Planning Housing and Infrastructure
ENM	Environmental Noise Model
ERM	Environmental Resources Management Australia Pty Limited
Evening	Monday to Saturday 6pm to 10pm
g/m2/month	grams per square metre per month
HVGC	Hunter Valley Gliding Club
HVO South	Hunter Valley Operations South
INP	Industrial Noise Policy
ISCMOD	modified version of the United States Environmental Protection Agency ISCST3 model
km	kilometres
L10,15minute	A noise level which is exceeded 10% of the time (in this case 15-minutes). It is approximately equivalent to the average of maximum noise levels.
L90,15minute	Commonly referred to as the background noise, this is the level exceeded 90% of the time (in this case 15-minutes).
Leq (15 minute)	The summation of noise over a selected period of time. It is the energy average noise from a source and is the equivalent continuous sound pressure level over a given period (in this case 15-minutes).
Lmax	The maximum root mean squared (RMS) sound pressure level received at the microphone during a measuring interval.

NAME/TITLE	DESCRIPTION
LCPP	Lemington Coal Preparation Plant
m	metres
Night	Monday to Saturday from 10pm to 7am and Sundays and Public Holidays 10pm to 8am
Noise Policy for Industry (2017)	The policy will provide a framework and criteria for the consistent assessment of the impact and control of noise from industrial developments
NSW	New South Wales
OLS	Obstacle Limitation Surfaces
Permitted Mining	Means the mining operations to be conducted by the Hunter Valley Operations Mine in the areas identified in Appendix A of the AMP.
PA 06_0261	Project Approval – Hunter Valley Operations South Coal Project
PM ₁₀	Particulate Matter of 10 microns in diameter or smaller
PM _{2.5}	Particulate Matter of 2.5 microns in diameter or smaller
Riverview South East Extension	Part of the Permitted Mining area and referred to as Glider Pit 1 in Appendix A.
TEOM	tapered element oscillating microbalance monitor
TSP	Total Suspended Particulates

11 | DOCUMENT INFORMATION

Relevant legislation, standards and other reference information must be regularly reviewed and monitored for updates and should be included in the site management system. Related documents and reference information in this section provides the linkage and source to develop and maintain site compliance information.

11.1 | RELATED DOCUMENTS

Related documents, listed in Table below, are documents directly related to or referenced from within this document.

NUMBER	TITLE
HVOOC-1797567310-4028	HVO Noise Management Plan
HVOOC-1797567310-5343	HVO Air Quality Management Plan
HVOOC-1797567310-408	HVO Blast Management Plan
	HVO South Project Approval PA 06_0261

11.2 | REFERENCE INFORMATION

Reference information, listed in Table below, is information that is directly referred to for the development of this document.

REFERENCE

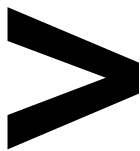
Civil Aviation Safety Authority Australia (CASA) (2003) Manual of Standards Part 139 – Aerodromes CASA, Canberra

Concessions and Mitigation Agreement, February 2013

EMGA (2009) Hunter Valley Operations South – Revised Mine Plan Acoustic Assessment Prepared for Coal and Allied (Rio Tinto Coal Australia), October 2009

ERM (2008) Hunter Valley Operations South Coal Project Environmental Assessment Report Prepared for Coal and Operations Pty Ltd, January 2008

ERM (2008) Hunter Valley Operations South Coal Project Response To Submissions Report Prepared for Coal and Operations Pty Ltd, July 2008



REFERENCE

HVO Air Quality Management Plan, April 2026

NSW EPA (2017) Noise Policy for Industry



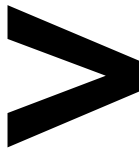
11.3 | CHANGE INFORMATION

Full details of the document history are recorded in the document control register, by version. A summary of the current change is provided in table below. Example detail shown below.

VERSION	DATE	CHANGE DETAILS
9.2	20 February 2019	Update template Merri Bartlett, Dom Brown
9.3	28 December 2021	Review of currency of information Merri Bartlett, Andrew Speechly
9.4	5 September 2022	Review of information following DPE review Merri Bartlett, Andrew Speechly
9.5	9 August 2023	Review following Independent Environmental Audit and subsequent inclusion of a record of consultation comments and response Andrew Speechly
9.6	26 April 2024	Review to address DPHI request for information on V9.5. Template update. Andrew Speechly
9.7	1 July 2025	Review following submission of 2024 HVO Annual Review Nic McLaughlin / Brenton Hubert
10	6 August 2026	Review and update section 6.4.2 from High Volume Air Sampler Method to Environmental Beta Attenuation Mass Monitor Removal of reference to operation of draglines.



APPENDIX A: MINE PROGRESSION PLANS FOR PERMITTED MINING



APPENDIX B: ACOUSTIC ASSESSMENT (EMGA, OCTOBER 2009)



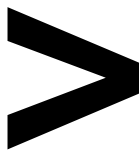
APPENDIX C: AIR ASSESSMENT (PAEHOLMES, AUGUST 2009)



APPENDIX D: SUPERSEDED MINE PROGRESSION PLANS (HISTORICAL
REFERENCE ONLY)



APPENDIX E: SECRETARY'S APPROVAL OF PLAN



Department of Planning, Housing & Infrastructure



Our ref: MP06_0261-PA-108

Andrew Speechly
Manager E&C
HV Operations
1011 Lemington Road
Lemington, NSW, 2330

09/05/2024

Subject: HVO South – Amenity Management Plan

Dear Mr Speechly

I refer to your submission requesting review and approval of the Hunter Valley Gliding Club Amenity Management Plan (Rev 9.6). I also acknowledge your response to the Department's review comments and request for additional information.

The Department has carefully reviewed the document and is satisfied that it meets the requirements of the relevant conditions in consent MP06_0261.

Accordingly, as nominee of the Planning Secretary, I approve the the Hunter Valley Gliding Club Amenity Management Plan (Rev 9.6).

It should also be noted that this plan may need to be reviewed and revised if any changes to air quality and weather monitoring, resulting from the revision of the Air Quality and Greenhouse Gas Management Plan, that is currently underway.

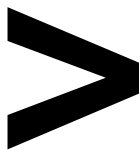
Please ensure you make the document publicly available on the project website at the earliest convenience.

If you have any questions, please contact Keren Halliday, who can be contacted on 02 8289 6444

Yours sincerely

Stephen O'Donoghue
Director
Resource Assessments

As nominee of the Planning Secretary



Department of Planning, Housing and Infrastructure



Our ref: MP06_0261-PA-184

Ben de Somer
Manager Environment and Community – Hunter Valley Operations
1011 LEMINGTON ROAD
Lemington, New South Wales, 2330

11/09/2026

Subject: Amenity Management Plan

Dear Mr de Somer

I refer to the Hunter Valley Gliding Club Amenity Management Plan (the Plan) which has been revised following the submission of an Annual Review in accordance with Condition 4A Schedule 5 of the HVO South consent (MP06_0261) and Condition 4 Schedule 5 for the HVO North – West Pit 2003 consent (DA450-10).

I note the revisions to the Plan are administrative and the Plan contains the information required by the conditions of consent.

In accordance with Condition 1C Schedule 5 for the HVO South – consent (MP06_0261) and Condition 3A Schedule 5 for the HVO North – West Pit 2003 consent (DA450-10), the Department agrees that consultation is not required for the revision of the plan given the administrative nature of the updates

Accordingly, as nominee of the Planning Secretary, I approve the Hunter Valley Gliding Club Amenity Management Plan (Submitted 11 August 2026)

You are reminded that if there are any inconsistencies between the Plan and the conditions of approval, the conditions prevail.

Please ensure you make the document publicly available on the project website at the earliest convenience.

If you wish to discuss the matter further, please contact Patrick Worthington at patrick.worthington@dphi.nsw.gov.au

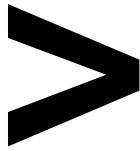
Yours sincerely

Jack Turner
Team Leader
Resource Assessments

As nominee of the Planning Secretary



APPENDIX F: RESPONSE TO CONSULTATION COMMENTS



Version 8	Version 9	Purpose of Change (Discussed at meeting on 14 th February 2020)	Review 1 (comments from February meeting incorporated in document and sent back to HVGC on 20 March 2020)	Review 2 (incorporates further comments from HVGC on 5 th April 2020 and HVO changes)	Review 3 (capturing comments from HVGC received 8 October 2021)
Section 1.1 – Background	Section 2 – Background	<i>This section of the document has been moved to align with HVO's updated document template, some minor wording changes have been made however no material changes have been made to this section.</i>	<i>Details on the airstrip in paragraph four have been retained as requested by the HVGC.</i>	<i>Re-wording to clarify which pits have been mined and those which have approval to be mined.</i> <i>Rewording to reflect requirement of the consent condition for AMP review. Reviewing the plan is only triggered for mining South Lemington Pit 2.</i> <i>Rewording to provide some flexibility on timing for AMP review. Can't guarantee 6 months prior to mining South Lemington Pit 2 but that will be our intention.</i> <i>The paragraph commencing 'At the time of updating this AMP' has been deleted</i> <i>Reference to HVGC on Figure 1 now included</i>	<i>HVGC request: South Lemington Pit 2 is in the document as a future possibility with no time is specified for its development, this will have a major impact on the HVGC. In the last paragraph of part 2 we ask that the wording is changed so that HVO will consult (rather than endeavour) with the HVGC at least 12 months prior to mining commencing.</i> <i>HVO response: Accepted and updated in the Plan.</i>

Number: HVOOC-1797567310-4247

Owner: Environment and Community Superintendent

Status: Approved

Version: 10.0

Effective: 12/10/2026

Review: 12/10/2029

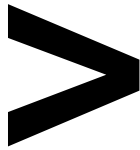


Figure 1 – HVGC within the HVO South Project approval boundary	Figure 1 - HVGC within the Project Approval boundary of HVO South	The figure has been updated to include a new aerial image.	The figure has been added to show the location of pits and a footnote added.	Footnote added which correlates the different names for the Pits against the names used in the Development Consent.	
Section 1.2 - Scope	Section 3 - Scope	In this section of the document, Tables 1 and 2 have been included to summarise project approval and Concessions and Mitigation Agreement (CMA) conditions.	Condition 47 of Schedule 3 has been reinserted into the text. The first paragraph in the last row of Table 1 has been reinserted.	First paragraph reworded to clarify the scope of the AMP as it relates to the Development Consent.	HVGC comment: Table 2 - Schedule 1 "... Coal and Allied ..." should be changed to "HVO" to be consistent with other changes. HVO response: Table 2 copies relevant excerpts from the Concessions and Mitigation Agreement (CMA). This has not been updated since the HV Operations JV commenced hence still states Coal and Allied. All Coal and Allied agreements were novated to the JV.
Section 1.3 – Approach to the development of the AMP	Section 4 – Development of the AMP	This section of the document has been moved to align with HVO's updated document template, some minor wording changes have been made however no material changes have been made to this section. Reference to active mining having ceased in the Glider Pit during the update of	Changed wording in the last paragraph commencing 'It is also noted' to define Glider Pit as Glider Pits 1 and 2	In the last paragraph the words 'active mining' included	

Number: HVOOC-1797567310-4247

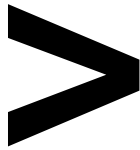
Status: Approved

Effective: 12/10/2026

Owner: Environment and Community Superintendent

Version: 10.0

Review: 12/10/2029



		<i>the AMP, with rehabilitation works commencing in the area.</i>			
<i>Section 1.4 – Purpose of the AMP</i>	<i>Section 1 – Purpose</i>	<i>This section of the document has been moved to align with HVO's updated document template, some minor wording changes have been made however no material changes have been made to this section.</i>			
<i>Section 1.5 – Report Structure</i>	<i>N/A</i>	<i>This section has been removed from the document as Section 3 (Scope) identifies they key requirements of the document and the applicable sections.</i>			
<i>Section 2 – Risk Assessment</i>	<i>Section 4.1 – Assessment of Risks</i>	<i>This section of the document has been moved to align with HVO's updated document template, some minor wording changes have been made to this section. Reference to active mining having ceased in the Glider Pit during the update of the AMP, with rehabilitation works commencing in the area.</i> <i>Reference to active mining ceasing in the Glider Pit, and rehabilitation works commencing in the area. Eliminating the dragline and associated plant would reduce the probability of</i>	<i>Removed reference to dragline in first bullet point</i>	<i>Changed reference to mining equipment in first bullet point</i>	

Number: HVOOC-1797567310-4247

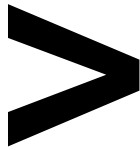
Status: Approved

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Owner: Environment and Community Superintendent

Version: 10.0

Review: 12/10/2029



		<i>exceeding noise and air quality limits.</i>			
<i>Section 2 – Risk Assessment</i>	<i>Section 4.1 – Safety</i>	<i>New sub title added</i>	<i>In the first paragraph, replaced the word Glider Pit with South Lemington Pits</i>	<i>Changed wording in the first paragraph and referenced the “permitted mining area” to align with the CMA</i>	
<i>Section 2 – Risk Assessment</i>	<i>Section 4.1.1 – Exceedance of Noise and Air Quality Limits</i>	<i>New sub title added</i>	<i>In the second bullet point have removed the reference to dragline and associated mining equipment</i> <i>In the last paragraph have removed reference from dragline to mining equipment.</i>	<i>reworded to reflect current activities but made specific to current status, potential for this to change in future.</i> <i>The paragraph commencing with ‘The use of the HVGC’ have been removed as per feedback received on 5th April from HVGC</i> <i>The paragraph commencing with ‘At the time of updating this plan, has been changed to reflect current activities.</i>	
<i>Section 3 – Changes to mine plan</i>	<i>Section 4.2 – Mine Planning</i>	<i>This section of the document has been moved to align with HVO’s updated document template, some minor wording changes have been made. A new figure (Figure 2) has also been</i>	<i>Included reference to Glider Pits 1 and 2 not just Glider Pit in the first paragraph</i>	<i>Paragraph reworded to provide update on current status of mining and overburden dumping, compared to mine progression plans in Mine</i>	<i>HVGC Comment: Original plans for mining in South Lemington Pit 2 involved hauling to the Glider Pit 2 area. This assumed HVO could come to some agreement with United for</i>

Number: HVOOC-1797567310-4247

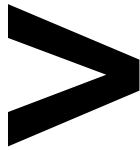
Owner: Environment and Community Superintendent

Status: Approved

Version: 10.0

Effective: 12/10/2026

Review: 12/10/2029



		<i>included that shows the current landform of the Glider Pit.</i> <i>Wording has been included 'Changes to approved mine plan would require modification to the HVO South Project Approval and would trigger a review of this plan'.</i> <i>Deletion of text relating to mine plans presented within the HVO South Coal Project Environmental Assessment.</i>	<i>Updated wording in Figure 2 caption to reference Glider Pits 1 and 2</i>	<i>Progression Plans for Permitted Mining Appendix A:</i> <i>Paragraph reworded to clarify that any changes to the approved mine plan would first need Development Consent approval/modification. Any modification would subsequently require review of the AMP.</i>	<i>access across the land HVO own between the two HVO sites. It also proposed closing Comleroi Road and providing the club with an alternative 24/7 access using the private road. With Wambo's plans to relocate the Golden Highway it seems that hauling to Glider Pit 2 is even more unlikely than it was before. The alternative seems to be to haul to the east across the private road but that would have implications for 24/7 access to the club. Please comment.</i> <i>HVO response: The points you have raised are valid and would all require consideration if HVO were to proceed to mining that area. However at this stage HVO could only proceed mining Lemington Pit 2 in accordance with current approvals and as a result the Amenity Management Plan is written to reflect that.</i>
<i>Section 4 – Potential impacts on the HVGC</i>	<i>Section 5 - Potential impacts on the HVGC</i>	<i>This section of the document has been moved to align with HVO's updated document template, some minor wording changes have been made. Any redundant</i>			

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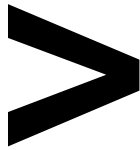
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		<i>information or information no relevant to operations at HVO have also been removed</i>			
<i>Section 4.1 – Obstacle Limitation Surface</i>	<i>Section 5.1 – Obstacle Limitation Surface</i>	<i>Reference to active mining ceasing in the Glider Pit, and rehabilitation works commencing in the area</i> <i>Figure 3 has also been updated to include aerial imagery as a base layer.</i> <i>Reference to the simulation of the dragline operation has been removed given that mining within the Glider Pit has ceased.</i>	<i>Included reference to Glider Pits 1 and 2 not Glider Pit in the first paragraph and fifth paragraph</i>	<i>Figure 3 altered to replicate Figure 4 in Annexure 3 in the CMA as requested by the HVGC.</i>	
<i>Section 4.2 - Acoustics</i>	<i>Section 5.2 - Noise</i>	<i>No material changes only minor wording changes.</i>			
<i>Section 4.2.1 - Noise approval limits</i>	<i>Section 5.2.1 – Noise Approval Limits</i>	<i>Information on noise modelling and operational noise level predications have been removed. The noise criterion for HVGC has been provided.</i>			
<i>Section 4.2.2 – Modelling approach</i>	<i>Section 5.2.1 – Noise</i>	<i>Information on noise modelling and operational noise level predications have been removed. The noise criterion for HVGC has been provided.</i>			

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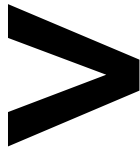
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Section 4.2.3 - Operational noise level predictions	Section 5.2 - Noise	Information on noise modelling and operational noise level predications have been removed. The noise criterion for HVGC has been provided.			
Section 4.2.4 - Conclusion	Section 5.2 - Noise	Information on noise modelling and operational noise level predications have been removed. The noise criterion for HVGC has been provided.			
Section 4.3.1 – Air Quality approval limits	5.3.1 – Air Quality Approval Limits	Table 3 - HVGC Air Quality Impact Assessment Criteria has been updated with the current approved concentration limits and relevant conditions.	Reference to Table 3 - HVGC Air Quality Impact Assessment Criteria corrected as per HVGC advice on 5 th April		
Section 4.3.2 – Modelling approach	N/A	This information has been removed from the document as mining within the Glider Pit has ceased.			
Section 4.3.3 - Operational air quality level predictions	Section 5.3.2 – Operational Air Quality Predictions	Information relating to operational air quality data has been removed and summarised to outline the written agreement that permits HVO to exceed the air quality limits consistent with the management provided in the AMP.			

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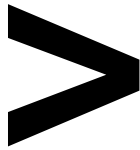
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Section 4.3.4 - Conclusion	N/A	This has been removed from the document.			
Section 4.4 - Infrastructure	Section 5.4 - Infrastructure	Additional information included relating to the potential closure of Comleroi Road.	Second paragraph reworded as this is specific to South Lemington Pit 2.	Reworded to align with CMA. Amenity mitigation is not contingent on mining in South Lemington Pit 2 and has been removed from this section. The commitment to provide mitigation is outlined in the CMA and this obligation was met via financial contribution for construction of the new clubhouse.	
Section 4.4 - Infrastructure	Section 5.4.1 – Access Roads	No material change, only minor wording changes			
Section 4.4 - Infrastructure	Section 5.4.2 Power and Telephone Services	No material change, only minor wording changes			
Section 4.4 - Infrastructure	Section 5.4.3 – Protection of Structures	No material change, only minor wording changes		Removed. Mitigation (protection of structures) is captured in funding of the Clubhouse per Section 6 of the CMA. The clubhouse or mitigation measures are not relevant to Schedule 1 of the CMA.	

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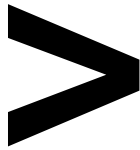
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Section 4.4 - Infrastructure	Section 5.4.4 – Drainage of Surface Runoff	No material change, only minor wording changes			
Section 4.4 - Infrastructure	Section 5.4.5 - Fencing Construction	No material change, only minor wording changes			
Section 5.1 – Obstacle Limitation Surface	Section 6.1 – Obstacle Limit Surface	No material change, only minor wording changes. Reference to lighting and/or marking of obstacles, in accordance with CASA guidelines, to improve the safety of unannounced aircraft in the event that mining in the Glider Pit recommences.	The third bullet point has been changed from Glider Pit to South Lemington Pits.	Wording in the third bullet point changed to permitted mining areas to align with CMA wording.	
Section 5.2 – Alternative accommodation	Section 6.2 – Alternative Accommodation	'Consideration maybe given to provide funding for alternative nearby night accommodation'.		Reference to Section 13.12 of the CMA	HVGC Comment: For any operations in South Lemington Pit 2 HVO indicated you would use truck and shovel rather than dragline in this area to minimise impacts on the OLS, this is very important in the HVGC's view. There would be major noise and dust implications for the club however and HVO will need to manage the noise impacts on all users (particularly those who stay overnight) of the club will

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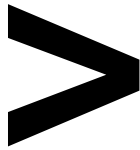
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					<i>need to be managed per section 6.2, however nearby night accommodation will unlikely be acceptable.</i> <i>HVO Response: Noted. This reflects the CMA. Rather than para-phrasing in this section we can simply refer to the CMA.</i>
<i>Section 5.3 - Noise</i>	<i>Section 6.3 - Noise</i>	<i>Heading change</i>			
<i>Section 5.3.1 – Management measures</i>	<i>Section 6.3.1 – Management Measures</i>	<i>Minor wording changes.</i> <i>Removal of wording related to dragline operations due to mining ceasing in Glider Pit.</i> <i>Removal of reference to Lemington CHPP as no longer in operation.</i>	<i>The first and second bullet points have been changed from Glider Pit to South Lemington Pits.</i>	<i>Wording in the first and second bullet points changed to permitted mining areas to align with CMA wording.</i> <i>In the third bullet point the words ‘environmental and safety controls’ have been deleted and made specific to noise impacts</i>	
<i>Section 5.3.2 – Monitoring measures</i>	<i>Section 6.3.2 – Monitoring Measures</i>	<i>Minor wording changes.</i> <i>Wording changed in third para to read ‘Monitoring will be undertaken at the most affected point at the Hunter Valley Gliding</i>	<i>The first bullet point has been changed from Glider Pit to South Lemington Pits.</i>	<i>Wording in the first bullet point changed to permitted mining areas to align with CMA wording.</i>	

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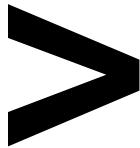
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		<i>Club, in accordance with the Noise Policy for Industry (NSW EPA, 2017). If this is not possible, alternative suitably representative location will be used'.</i>		<i>The words monthly and regularly have been deleted as monitoring would only occur when HVGC is in use.</i> <i>The word Glider Pit in the last sentence in the first bullet point has been removed and replaced with the word 'area'</i>	
<i>Section 5.4.1 Management Measures</i>	<i>Section 6.4.1 – Management Measures</i>	<i>Redundant information has been removed relating to mining activities given that only rehabilitation activities are occurring in the Glider Pit.</i> <i>Wording added to read 'However, unfavourable air quality scenarios are based on HVO operating within the Glider Pit. Mining works in the Glider Pit had ceased at the time of updating this AMP, and rehabilitation works had commenced'.</i>	<i>The paragraph commencing 'The details of all air quality complaints' and the next paragraph and bullet points pertaining to air quality complaints have been retained as requested by HVGC.</i>	<i>First paragraph removed. The CMA obligates HVO to a one off funding of the Clubhouse inclusive of Mitigation Activities. HVO is not obligated to future mitigation contributions.</i> <i>The words 'permitted mining area' have been included in the paragraph commencing with 'If the day is one nominated' and in the bullet point commencing 'Implement changes to operations'</i>	

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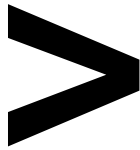
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Section 5.4.2 Monitoring Measures	Section 6.4.2 – Monitoring Measures	Updated to references changes in HVAS and real time monitors.		Bullet point 2 and 3 changed to reflect current status of using a High Volume Air Sampler.	<i>HVGC Comment: HVGC requests that real time dust monitoring is installed on our site and a path for immediate action before operations commence in South Lemington Pit 2 as dust is likely to have a greater impact on the HVGC.</i> <i>HVO Response: Prior to mining in Lemington Pit 2 an update to the Management Plan would occur to include installation of real-time dust monitor on the HVGC site.</i>
Section 6 – Notification Procedures	Section 7 – Notification Procedures	Updated to reference changes to notification given that no mining activities are occurring in the Glider Pit.	In the first bullet point, reference to the dragline and the OLS has been removed and replaced with mining equipment	In the first bullet point, the words above the OLS have been retained. The words 'in the event that mining in the South Lemington Pits 1 and 2 commences' have been deleted.	
Section 6 – Notification from Club to HVO	Section 7.1.1 – Notification from HVGC to HVO	Provided updated complaints hotline number			
Section 6 – Notification from HVO to HVGC	Section 7.1.2 – Notification from HVO to HVGC	Provided updated email address to HVGC.			

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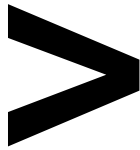
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Section 6.1 – OLS Impingement Permission Procedure	Section 7.2 – OLS Impingement Permission Procedure	Heading change			
Section 6.1 – OLS Impingement Permission Procedure	Section 7.2.1 Purpose	Updated to reference HVO (not Coal and Allied or Yancoal Australia).			
Section 6.1 – OLS Impingement Permission Procedure	Section 7.2.2 Procedure	Updated to reference HVO (not Coal and Allied or Yancoal Australia).			
Section 6.2 - Procedure to Advise that a Noise or Air Quality Limit has been Exceeded	Section 7.3 Procedure to Advise that a Noise or Air Quality Limit has been Exceeded	Heading change			
Section 6.2 - Procedure to Advise that a Noise or Air Quality Limit has been Exceeded	Section 7.3.1 Purpose	Updated to reference HVO (not Coal and Allied or Yancoal Australia).			

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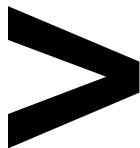
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<i>Section 6.2 - Procedure to Advise that a Noise or Air Quality Limit has been Exceeded</i>	<i>Section 7.3.2 Procedure</i>	<i>Updated to reference HVO (not Coal and Allied or Yancoal Australia). Change in notification period of exceedance from four to seven days of receipt of final report.</i>			
<i>Section 6.4 – Gliding activities and occupancy advice procedure</i>	<i>Section 7.4.1 - Gliding activities and occupancy advice procedure Purpose</i>	<i>Updated to reference HVO (not Coal and Allied or Yancoal Australia).</i>			
<i>Section 6.4 – Gliding activities and occupancy advice procedure</i>	<i>Section 7.4.2 - Gliding activities and occupancy advice procedure Procedure</i>	<i>Updated to reference HVO (not Coal and Allied or Yancoal Australia) and updated HVO email addressed.</i>	<i>The words 'This should occur with as much notice as possible' to replaced the wording 'at least two days' notice'.</i>		
<i>Section 6.5 – Blast Notice Procedure</i>	<i>Section 7.5 – Blasting Management Measures</i>	<i>Minor wording changes. Wording added to include 'HVO will also assign a suitably experienced, trained and qualified person to give 10 minute, 5 minute and 1 minute warnings ahead of firing on the local aeronautical frequency of 126.7</i>	<i>Emailed addresses for Secretary and Treasurer of the HVGC updated</i>		

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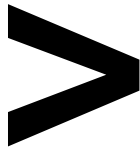
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		<i>MHz and for this period monitor the local aeronautical frequency’.</i> <i>Removal of Figures as this wording is captured in the document and therefore redundant.</i>			
<i>Section 7 – Audits and Reviews</i>	<i>Section 8 – AMP Review</i>	<i>Updated section to reference the requirements for the review of the plan in accordance with Condition 4A of Schedule 5 of the Project Approval, regulators and HVGC.</i>		<i>Added wording to reflect the specific need for HVO to review the AMP prior to mining South Lemington Pit 2.</i>	
<i>N/A</i>	<i>Section 9 – Accountabilities</i>	<i>Added a table outlining key roles and accountabilities relevant to the plan.</i>		<i>Added additional accountabilities</i>	
<i>N/A</i>	<i>Section 10 – Definitions</i>	<i>Added a table of definitions for abbreviations used throughout the document.</i>			
<i>N/A</i>	<i>Section 11 – Document Information</i>	<i>Moved reference list into this section and also included information about change management.</i>			
<i>Appendix</i>	<i>Appendix E</i>	<i>Appendix E to include letter from Director General’s Approval</i>			

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