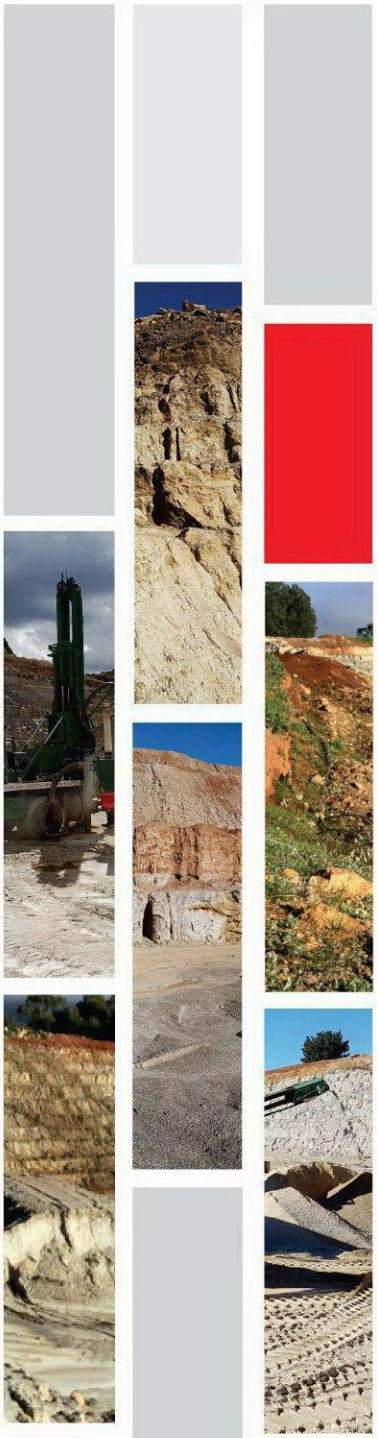

APPENDIX Q

Draft Statement of Commitments

DOC18/188732

1. Draft Statement of Commitments

Table 1. Summary of Key Environmental Safeguards.

Desired Outcome Or Activity	Action	Timing
1. Environmental Management		
Compliance with all conditional requirements in all approvals licences and leases	1.1. Comply with commitments recorded in this table	Continuous as required
	1.2. Comply with all conditional requirements included in • Development consent • Environmental Protection Licence • Approval under the EPBC Act • Water Access Licence; and • Any other approvals	Ongoing
2. Area of Operation		
All approved activities are undertaken generally within the property boundary and current and Future Mine Lease Areas	2.1. Clearly mark the boundaries of the areas of the current extraction area and proposed extension area	Prior to the commencement of extraction in the extension area.
3. Operating Hours		
All operations are undertaken within the approved operating hours	3.1. Undertake all activities where practicable, in accordance with the following operating hours. • 6:00am to 6:00pm, Monday to Saturday inclusive. • No transportation is undertaken on Sundays, Christmas Day or Good Friday, except for essential plant maintenance.	Continuous and as required.
4. Rehabilitation Plan -		
The creation of a final Landform for agricultural activities including grazing or recreation area.	4.1. Rehabilitation of the final landform would be sympathetic to the Box Gum Woodland with selection of species and the possibility of establishing tree lots within the grassland.	During Rehabilitation Activities
	4.2. Rehabilitate the mine to provide: • A mixture of grassland/pasture and shrubs and woodland. • A suitable water body for recreational parkland, grazing or other applicable land uses.	During Rehabilitation Activities
	4.3. Geotechnical assessment will be undertaken on the final landform to determine if retained slopes are not likely to actively erode or 'slip' to an extent requiring earthworks and profiling.	Ongoing / During Rehabilitation Activities
	4.4. Rehabilitation monitoring confirms that the vegetation communities established during final rehabilitation are self-sustaining	During Rehabilitation Activities
	4.5. The conceptual final landform will include a void with battering of all benches back to no greater than 3 horizontal to 1 vertical.	After Rehabilitation Activities

Desired Outcome Or Activity	Action	Timing
	4.6. The final water body will be created from the mine void and does not require construction of dam walls.	After Rehabilitation Activities
	4.7. A spillway will be constructed that complies with Blue Book requirements.	During Rehabilitation Activities
Land Clearing	4.8. Only trees impeding the progress of the mine will be removed.	Ongoing
	4.9. Topsoil and overburden won from the land clearing will be stored in separate bunds around the perimeter of the site to provide a visual and acoustic screen.	Ongoing
Areas to be Rehabilitated	4.10. The areas to be rehabilitated include areas disturbed for the purposes of material extraction, storage, transport and for the management of the mine.	During Rehabilitation Activities
	4.11. Importation of Virgin Excavated Natural Material will be undertaken to complete rehabilitation where required due to any on-site material shortfalls.	During Rehabilitation Activities
Mine staging and progressive rehabilitation	4.12. Campaigns generally occur three times a year with a duration of approximately 4 weeks per campaign in accordance with the approved plans.	Ongoing
	4.13. Progressive rehabilitation will be generally undertaken during mining campaigns	Ongoing
Buffer Areas	4.14. No extraction takes place within 15 metres of the boundary of the permit area.	Ongoing
	4.15. Vegetated buffer areas will be maintained in the future extension area to provide visual amenity to neighbouring landowners and dwellings	Ongoing
Barrier to effective rehabilitation	4.16. Soil chemistry will be investigated prior to revegetation to determine if ameliorants are required	Before Rehabilitation Activity
Impacts and mitigation	4.17. The site is well fenced and securely locked when no activities are undertaken on site.	Ongoing
	4.18. Signage is also in place to warn of the risk of falls from deep excavations at present and will be maintained on the site until rehabilitation efforts reduce the slopes in the final landform.	Ongoing
	4.19. Prior to extraction commencing, all appropriate water management features will be constructed, in accordance with the Blue Book, which include earth banks (Stormwater Collection Drains) to divert as much clean water as possible and capture the dirty water within the pit sump.	Ongoing

Desired Outcome Or Activity	Action	Timing
	4.20. When a new area is required to be extracted, topsoil will be stripped and where possible emplaced on previously ripped completed faces.	Ongoing
	4.21. Where immediate reuse of the topsoil is not possible it will be stored appropriately on the perimeter of the site.	Ongoing
	4.22. Where topsoil resources allow, topsoil should be spread to a nominal depth of 100 mm on all re-graded subsoils. Subsoils will be emplaced first over the battered overburden material used to create the final landform.	Ongoing
	4.23. All topsoiled areas should be lightly contour ripped (after topsoil spreading)	Ongoing
	4.24. The progress towards rehabilitation objectives will be reported annually in an Annual Rehabilitation Report (ARR), until the ML is relinquished.	Continuous till Relinquished
	4.25. The site will be inspected for erosion hazards during mining and hauling campaigns and at least monthly at other times	Monthly /Ongoing
	4.26. The site will also be inspected regularly for weeds and spraying will be undertaken by appropriately qualified contractors as required.	Ongoing
Post Closure Monitoring	4.27. Post closure monitoring will continue until mine lease relinquishment when all completion criteria have been met	After Closure of mine
5. Climate and Air Quality		
Dust Mitigation	5.1. Access roads are sheeted with coarse material where possible to minimise the potential for dust generations associated with traffic	Ongoing
	5.2. All vehicles are restricted to a speed limit of 15km/h within the site	Ongoing
	5.3. Delaying non-essential earth-moving activities during periods of high wind. Should the wind exceed 10m/sec mining and hauling activities will cease.	Ongoing
	5.4. If required, a water cart will be used for temporary dust suppression during active extraction campaigns, hauling and rehabilitation activities.	Ongoing
	5.5. All laden trucks are required to have their loads tarped	Ongoing
	5.6. There is a phone number displayed at the front gate to allow the public to make complaints if necessary.	Ongoing
	5.7. Depositional Dust Gauge monitoring will continue through the life of the mine to	Ongoing

Desired Outcome Or Activity	Action	Timing
	ascertain if mitigation measures area effective.	
	5.8. Dust levels aim to be less than the EPA recommends that the Annual Average for Insoluble Solids is less than 4g/m2 per month.	Ongoing
6. Hazards and Waste		
Mitigation	6.1. General domestic waste is collected in rubbish bins located at the site office and disposed of via a licensed waste disposal facility.	Ongoing
	6.2. All contractors hold spill kits in case of an emergency hydrocarbon spill. A spill kit is also retained within the office.	Ongoing
	6.3. Visitors onto the site must report to the site supervisor. All visitors must be accompanied by The Proponent's personnel at all times. Contractors must undertake a site induction which includes safety hazards and emergency procedures.	Ongoing
	6.4. The office also holds a first aid kit in case of emergencies	Ongoing
	6.5. No other waste will be imported onto the site with the exception of VENM for rehabilitation purposes, if required. All VENM material will be certified before receival to the site and logged as per EPA requirements	Ongoing
	6.6. regular safety audits and reviews of the Mine Operation Plan (MOP), the Mine Safety Management Plan (MSMP) and the Principle Hazard Management Plan (PHMP) will be undertaken as per DPE requirements	Continuous and as required
	6.7. All roads that are identified as crucial to evacuation and emergency services access must be visually inspected annually and management actions undertaken if tracks are determined as unsuitable for emergency vehicles passage (i.e. inaccessible due to erosion, fallen timber, locked gates, dead end tracks).	Ongoing
	6.8. No drilling will be conducted on total fire ban days;	Ongoing
	6.9. Firefighting equipment will be kept on active sites at all times;	Ongoing
	6.10. Should bushfires be present within the local area, no mining or hauling activities will be undertaken on the site. Site activities will also not be undertaken when the local fire danger is Extreme or Catastrophic.	Ongoing

Desired Outcome Or Activity	Action	Timing
	6.11. Ensure access by the public is restricted and that all gates are locked outside of working hours.	Ongoing
7. Land Resources		
Post mining Land Use Options	7.1. The post mining landuse will be consistent with the land zoning objectives	After Rehabilitation Activity
Impacts and Mitigation Topography and Geotechnical Stability	7.2. The final slopes will be similar to those typical for the locality and thus the restored topography will blend into the surrounding land.	After Rehabilitation activity
Topsoil Stripping and Storage	7.3. All works are to be undertaken following the Mine Operation Plan (MOP), this report and the WMP	During Topsoil Stripping
	7.4. Prior to stripping the vegetation should be sprayed for weeds to assist in reducing the weed content in topsoil that may be transferred to new rehabilitation areas	Before Topsoil Stripping
	7.5. Stripping should not occur when in either and excessively dry or wet condition	During Topsoil Stripping
	7.6. stockpiles of topsoil to be located at least five metres from areas of likely concentrated or high velocity flows, especially drainage lines and access roads	During Topsoil Stripping
	7.7. The surface of soil stockpiles should be left in as coarsely structured a condition as possible in order to promote infiltration and minimise erosion until vegetation is established, and to prevent anaerobic zones forming.	During Topsoil Stripping
	7.8. Topsoil stockpiles are not to exceed 3m in height with a minimum crest width of 3m and are to be seeded with a temporary vegetation cover if stockpiles are to remain longer than 12 months. If necessary, earth banks or drains will be constructed to divert localised run-on	During Topsoil Stripping
	7.9. Topsoil to a depth of 10 to 15cm will be stripped first with the subsoils, if found, to a depth of a further 20 to 30cm stripped and stored separately	During Topsoil Stripping
	7.10. Barrier fencing will be installed to limit access to rehabilitated areas or the stockpiles.	During Topsoil Stripping
	7.11. Ensuring rehabilitated lands and stockpiles soil resources have effectively reduced the erosion hazard and initiate upgrading or repair as appropriate i.e. ensure groundcover is at least 60% coverage	Monthly and ongoing
	7.12. During respreading of soils, the depth of soils will be checked visually (by test pits) to assess if the desired thickness has been achieved.	Monthly and ongoing

Desired Outcome Or Activity	Action	Timing
	7.13. Continue weed monitoring on the site and soil stockpiles and engage contractors to spray weeds as required. Reseed soil stockpiles with suitable species if coverage is insufficient.	Monthly and ongoing
8. Visual Assessment		
Mitigation	8.1. As mining progresses, topsoil and overburden stockpiles will be emplaced on the perimeter of the site as visual and acoustic bunds	Ongoing
	8.2. Where possible, trees and shrubs may be planted on the perimeter of the site to provide some visual filtering, particularly for the resident in the north east (R2)	Ongoing
	8.3. The views of the rehabilitated site will be in keeping with the surrounding rural landscape	Ongoing
	8.4. Regular inspections from Shaw Street Strauss Street will be undertaken to determine if additional measure are required to reduce visual impacts.	Ongoing
9. Water Management		
Surface Water Quality	9.1. Although the site does not have specific limits on discharged water quality stated in the consent conditions or mine lease conditions, the EPL has the following limits. 9.2. Total Suspended Solids (TSS) will be less than 50mg/L	Ongoing
	9.3. Although not an EPL requirement, it is recommended that the pH of the water to be discharged is measured and should comply with the following. 9.4. The pH will be between 6.5 to 8.5	Ongoing
Proposed Water Management	9.5. All the surface water captured within the disturbed area of the pit will be diverted to the In-Pit Sedimentation Dam	Ongoing
	9.6. All clean water will be diverted around the site via earthen bunds as necessary. Due to the ridgeline setting clean water will naturally fall away from the pit.	Ongoing
	9.7. A small volume of water may be retained onsite for dust suppression.	Ongoing
	9.8. The In-Pit Sedimentation Dam will be pegged to indicate the maximum sediment level that can be contained within the dam before desilting is required. A peg will also be installed to indicate when there is insufficient capacity remaining in the dam for the design storm event.	Prior to dam Being filled
	9.9. The Surface Water Management Plan will remain in place until the water quality from the site meets the target objectives for the area.	Ongoing
	9.10. The results of all monitoring are recorded and assist in the compilation of the	Ongoing

Desired Outcome Or Activity	Action	Timing
	Annual Environmental Management Report to the DRE and to the EPA in the Annual Return.	
Treatment of Water to be Discharged	9.11. The water in the In-Pit Sedimentation Dam will be sampled and submitted for testing at a NATA approved laboratory	When Required
	9.12. If the sampled water meets the quality criteria the dam is suitable for discharge and may be emptied.	When Required
	9.13. If the sampled water does not meet the required criteria, the dam will be treated and sufficient time allowed for sediment to settle is given before additional sampling and testing is conducted.	When Required
	9.14. The water will then be sampled and tested again to ascertain if it meets the discharge criteria. The above steps will be repeated until the water is of a suitable quality.	When Required
	9.15. No concentrated flows will be permitted to leave the site.	Ongoing
	9.16. The discharge will be supervised to ensure there is no adverse impacts noted such as visible sediment in discharge water, erosion and gullying, flooding etc.	When Required
	9.17. If impacts are noted discharge will cease immediately and remedial action undertaken.	When Required
Water Management Structures	9.18. Any diversion drains installed on the site will be compliant with Blue Book requirements and able to withstand a 1 in 10 year ARI storm event.	When Required
	9.19. In final void a spillway designed for a 1 in 100 year ARI storm event will be installed in order to safely convey dam water off the site	After mining Ceases
	9.20. Visual check of stability and operation of all banks, ponds, channels and spillways to be undertaken monthly. Effecting any necessary repairs	Monthly and recorded
	9.21. Visually check the discharge point leading to Humbug Gully to ensure that the discharge does not cause erosion or scouring of the creeks. Effecting any necessary repairs	Ongoing
	9.22. Constructing additional erosion and /or sediment control works as might become necessary to ensure the desired water quality control is achieved.	When Required
	9.23. All sediment basins will be maintained by de-silting when the capacity is diminished	When Required

Desired Outcome Or Activity	Action	Timing
Effectiveness of Water Management System	9.24. The effectiveness of the water management system will be assessed in any annual reviews undertaken in the form of an Annual Environmental Management Report (AEMR) submitted to the DRE until the Mining Lease has been relinquished.	Annually
	9.25. As part of the measurement of the effectiveness of the water management system, PGH will assess the following: • Water imported, water use, volumes stored and any discharges from the site and report results or changes to the balance • Water quality results for compliance and trends. • Identifying non-compliances and actions taken to ensure compliance. • Discrepancies between the predicted and actual impacts of the development. • Measures that may be undertaken to improve the environmental performance of the development	Ongoing
10. Noise and Traffic		
Transportation	10.1. Cartage of material only takes place within the consented hours of 6:00am and 6:00pm Monday to Saturday inclusive. No transportation is undertaken on Sundays, Christmas Day or Good Friday, except for essential plant maintenance.	Ongoing
	10.2. A maximum of 50,000 tonnes per annum would be transported to the Jindera Brickworks. This equates to 1,515 loads, or 3,030 truck movements per annum to move this material to the brickworks. Haulage is undertaken on a campaign basis and not spread evenly throughout the year.	Ongoing
	10.3. Haul trucks leaving the site travel south down Shaw Street, turn right onto Strauss Street, Left onto Prune Street, turn right onto Kaitlers Road. Proceeding along this road it becomes Hague Street to the south before intersecting with Urana Road. Trucks then turn right onto Urana Road which continues to Jindera.	Ongoing
	10.4. PGH will ensure that all road haulage vehicles are registered and roadworthy.	Ongoing
Mitigation	10.5. Acoustic bunds will be constructed on the southern perimeter to provide acoustic and visual screen to receptor R1.	As Required
	10.6. There will be no changes to the currently used plant and equipment on the site.	Ongoing

Desired Outcome Or Activity	Action	Timing
	10.7. Monitoring may also be undertaken should a complaint be received and results of any investigations and consequent actions recorded.	As Required
	10.8. All vehicles are required to maintain a speed limit of 15km/hr.	Ongoing
	10.9. PGH will ensure staff and contractors are inducted and understand and comply the traffic management plan	As Required
	10.10. PGH will ensure haul truck movements and tonnages hauled are recorded	Ongoing
11. Socio-Economic Setting		
Continue to proactively consult with members of the community affected by the proposal.	11.1. Maintain the existing 'open door' policy for community members to approach the management staff of the mine.	Ongoing
	11.2. Maintain the existing community complaints and response system.	Ongoing
Consider local sources of service and supply contractors.	11.3. Seek local supply and service contractors from within the Albury LGA where practicable to do so.	As Required
12. Indigenous Heritage		
Minimise the potential for adverse Proposal related impacts of indigenous heritage sites	12.1. Halt all works in the immediate area if cultural objects are found and contact a suitably qualified archaeologist and Aboriginal community representative.	As Required
	12.2. Halt all works in the immediate area if human remains are found and contact the NSW police, Aboriginal community representative and OEH.	As Required
	12.3. Apply for an Aboriginal Heritage Impact Permit (AHIP) that covers the development area. The AHIP must be granted and received by the proponent prior to any on ground works commencing.	Before commencement of work in the extension area.
13. Historic Heritage		
Minimise the potential for adverse Proposal related impacts of historic heritage sites	13.1. Halt all works in the immediate area if cultural objects are found.	As Required
	13.2. Contact a suitably qualified archaeologist to determine the significance of the object(s).	As Required
14. Biodiversity		
	14.1.	
	14.2.	
	14.3.	
	14.4.	

Desired Outcome Or Activity	Action	Timing
	14.5.	
	14.6.	
15. Documentation		
To provide site personnel with the necessary guidance on the expectations of the PGH Management, Albury Council and the NSW Government to achieve the required level of environmental performance.	15.1. Prepare an Environmental Management Plan.	Before commencement of work in the extension area.
	15.2. Prepare any other plans as required by the conditions of consent.	Before commencement of work in the extension area.
	15.3. Prepare Annual Rehabilitation Reports as required by the DPE.	Annually
	15.4. Prepare a MOP as required by DPE.	As required and before commencement of work in the extension area, generally every 7 years.

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