

Appendix 9

Updated Summary of Environmental Management and Monitoring Measures

(Total No. of pages including blank pages = 13)

This Appendix has been compiled to record the full range of measures the Applicant would adopt when planning and operating the Project to mitigate any adverse effects on the environment.

The measures are presented in tabular form (**Table A9.1**) and record the respective objectives, actions and timing. Many of these measures would be reflected in the final conditions of consent. However, where they are not formalised, the Applicant would reflect the commitments in environmental management plans for the operation, thereby formalising them.

Table A9.1
Proposed Environmental Management and Monitoring Measures

Page 1 of 12

Desired Outcome	Measure	Timing
1. Air Quality		
Minimise the emission of particulate materials from the Project Site	1.1 Prepare and implement an Air Quality Management System which outlines air quality management measures and responsibilities for the Project including monitoring requirements and a trigger action response plan.	Prior to the commencement of construction
	1.2 Include appropriate training and education regarding air quality related impacts for all staff and an induction process.	Throughout the life of the Project
	1.3 Include details regarding vehicle speed limits and other dust controls in employee site inductions and toolbox meeting, as required.	
	1.4 Minimise area of disturbance during project staging.	
	1.5 Implement a real-time particulate monitoring program that includes trigger alarms for reactive management of particulate matter levels.	
	1.6 Monitor meteorological conditions (including via automated alerts) to identify periods of adverse weather (little or no rainfall and wind speeds above 30km/h) and implement appropriate additional mitigation measures as required.	
	1.7 Undertake visual monitoring and reporting of visible dust emissions to site supervisors and implement measures to minimise or reduce observed dust emissions.	
	1.8 Apply water or, where needed, appropriate binding agents to unvegetated soil stockpiles and areas undergoing rehabilitation until such time as a suitable vegetative cover can be established.	
Reduce dust generated by resource extraction and processing activities	1.9 Utilise fabric filters on drill rigs.	Throughout the life of the Project
	1.10 Apply water or, where needed, appropriate chemical suppressants as a part of materials crushing and screening operations.	
	1.11 Ensure that all vehicles, plant and equipment used both at the Project Site and to transport materials to and from the Project Site are regularly maintained in accordance with manufacturer's requirements.	
	1.12 Minimise drop heights during loading and unloading of material and avoid tipping material down a tip face.	

Table A9.1 (Cont'd)
Proposed Environmental Management and Monitoring Measures

Page 2 of 12

Desired Outcome	Measure	Timing
1. Air Quality (Cont'd)		
Reduce dust generated by vehicles and transportation activities	1.13 Limit on-site vehicle speeds to 50km/hr on unpaved road surfaces (excluding the Site Access Road) and 30km/hr on paved roads at the Project Site.	Throughout the life of the Project
	1.14 Utilise vegetation screening and 3m fencing along paved haulage routes.	
	1.15 Apply water or, where needed, appropriate chemical suppressants to paved and unsealed roads within the Project Site.	
	1.16 Limit load sizes to ensure material is not above the level of the truck sidewalls.	
	1.17 Cover all product truck loads with a tarpaulin which must be closed before using the Quarry Access Road.	
	1.18 Ensure that internal haul roads and the Quarry Access Road are maintained in good condition to facilitate efficient travel and transportation of materials.	
Reduce dust generated by ancillary operations	1.19 Utilise reverse pulse dust filters on materials storage silos.	Throughout the life of the Project
	1.20 Utilise dust shrouds during concrete blending.	
	1.21 Utilise an enclosure around loading point of concrete agitator trucks.	
Minimise odour impacts on nearby receptors	1.22 Apply standard odour mitigation for asphalt batching (e.g. directional venting, low-odour feedstock)	During asphalt plant commissioning and operation
2. Greenhouse Gas Emissions		
Minimise the emission of greenhouse gasses associated with the Project	2.1 Turn off all vehicles, plant and equipment when not in use.	Throughout the life of the Project
	2.2 The use of the most efficient vehicles and routes to minimise the number of trips required and minimise greenhouse gas (and particulate) emissions per tonne of material transported.	
	2.3 Ensure that all vehicles, plant and equipment are regularly serviced (including optimisation of tyre pressures) to ensure efficient operation.	
	2.4 Reduce gradients around the Project Site where feasible to reduce fuel consumption.	
	2.5 Consider the use of B5 fuel in plant and equipment (where practicable).	
	2.6 Consider solar power and green electricity procurement (where feasible).	
	2.7 Regularly maintain access road conditions to reduce fuel use.	

Table A9.1 (Cont'd)
Proposed Environmental Management and Monitoring Measures

Page 3 of 12

Desired Outcome	Measure	Timing
3. Human Health		
Reduce the risk of health impacts to the local community.	3.1 Implement the air quality control measures presented in Section 1 of this table.	Throughout the life of the Project
Confirm assessment outcomes with regards exposure risks to Respirable Crystalline Silica	3.2 Subject initial air quality samples collected for the air quality monitoring program to laboratory analysis for Respirable Crystalline Silica concentration.	At the time of initial deposited dust sampling.
4. Noise		
Mitigate and minimise noise impacts from the Project on the surrounding residents	4.1 Implement a Noise Management System that guides noise management measures and responsibilities for the Project including monitoring requirements and a trigger action response plan.	Prior to commencement of noise-generating activities.
	4.2 Monitor noise-related impacts from the Project at least annually.	Annually during the Project Life
Minimise noise-related impacts during construction activities	4.3 Notify neighbours of construction activity progress, in particular when construction works along the Quarry Access Road and Secondary Access Road approach neighbouring properties.	During site establishment (approx. 6 months)
Mitigate noise-related impacts during operational activities	4.4 Construct a 3m fence / acoustic barrier along the sealed section of the Quarry Access Road.	Throughout the life of the Project
	4.5 Use tree screening on other sections of the Quarry Access Road to reduce noise propagation.	
	4.6 Strictly comply with the approved hours of operation.	
	4.7 Regularly service all on-site equipment to ensure sound power levels of each item remains at or below the default/or factory-set values.	
	4.8 Install frequency modulated reversing alarms to all mobile equipment.	
	4.9 Include appropriate training and education regarding noise related impacts for all staff and an induction process.	
	4.10 Include details regarding noise management in employee site inductions and toolbox meeting, as required.	
	4.11 Ensure that all truck drivers comply with the Applicant's Driver's Code of Conduct outlining procedures for reducing noise impacts during transportation in the vicinity of residences along the transportation route.	
	4.12 Maintain an open dialogue with the surrounding community to ensure any concerns over noise are addressed.	Prior to the commencement of construction and throughout the life of the Project.

Table A9.1 (Cont'd)
Proposed Environmental Management and Monitoring Measures

Page 4 of 12

Desired Outcome	Measure	Timing
5. Blasting		
Manage and minimise blast-related impacts of the Project	5.1 Prepare and implement a Blast Management System that nominates the blasting clearance zone, blast monitoring practices and the blast notification protocols.	Prior to commencement of blasting activities.
	5.2 Ensure blasting occurs at most once per week (unless there is a misfire) and only during nominated blasting hours.	For each blasting event.
	5.3 Implement a blast notification protocol for all registered community members and other relevant organisations. Notification should occur at least 24hrs prior to any blasting event.	
	5.4 Consider the use of drone surveillance and audible sirens prior to blasting.	
	5.5 Complete a risk assessment process regarding blast clearances prior to the commencement of blasting operations.	
6. Visual Amenity		
Minimise the potential for adverse visual amenity impacts	6.1 Construct on-site infrastructure from non-reflective, neutral-coloured material.	Throughout construction operations
	6.2 Construct the Visibility Barrier to minimise the impact of visual amenity for southern residences.	
	6.3 Develop the upper benches of the extraction area with 5m faces where safe to do so, and with bench widths ranging from 5m to 10.	Throughout the life of the Project
	6.4 Progressively rehabilitate disturbed sections of the Project Site no longer required for the Project and re-vegetate disturbed areas.	
	6.5 Maintain vegetation on the Visibility Barrier and tree screening areas.	
	6.6 Install 3 m acoustic fence along sealed sections of Quarry Access Road.	During site establishment
	6.7 Plant vegetation near Location F (south of Enchanted Hill).	
	6.8 Plant vegetation along ACT section of Quarry Access Road.	Prior to each extraction stage
	6.9 Delay vegetation clearing until shortly before extraction begins in each stage.	
Minimise the risk of lighting impacts on neighbours	6.10 Minimise the use of night-time lighting to the extent practicable.	Throughout the life of the Project
	6.11 Ensure that night-time lighting is directed towards the active areas of operation only and away from residences to minimise lights shining directly towards the residence.	
Retain natural screening for as long as possible; reduce early visual exposure	6.12 Delay vegetation clearing until shortly before extraction begins in each stage.	Prior to each extraction stage

Table A9.1 (Cont'd)
Proposed Environmental Management and Monitoring Measures

Page 5 of 12

Desired Outcome	Measure	Timing
7. Biodiversity		
Avoid and minimise impacts on flora, fauna and animal habitats	7.1 Prepare and implement a Biodiversity and Rehabilitation Management Plan that guides landscape and biodiversity management measures and outlines progressive rehabilitation processes. The plan would include responsibilities for management for the Project including monitoring requirements and a trigger action response plan.	Prior to the commencement of construction and throughout the life of the Project
	7.2 Training staff and conducting site briefings to communicate environmental features to be protected and measures to be implemented. Clearly delineate clearing areas in site inductions.	
	7.3 Install appropriate signage and/or barriers to delineate 'No Go Zones', 'Environmental Protection Area', and the limit of approved disturbance areas.	
	7.4 Hygiene protocols to prevent the spread of weeds and/or pathogens.	
	7.5 Stage clearing to minimise the extent of clearing at any one time, where possible.	
	7.6 Marking and protecting areas of retained vegetation and habitat during construction, including erecting temporary fencing to protect significant environmental features.	
	7.7 Develop a pre-clearing protocol which includes: – a pre-clearance survey must be conducted by a suitably qualified professional, experienced ecologist or wildlife handler; – a requirement to map relevant habitat features (e.g. hollow-bearing trees, nest trees) prior to and during clearing works; and – a requirement to ensure that a suitably qualified and trained fauna handler is present during hollow-bearing tree removal to rescue and relocate any displaced fauna.	
	7.8 Any clearing of habitat trees (e.g. hollow-bearing trees, nest trees) must occur outside of the breeding season of most of the locally occurring native fauna (i.e. August to December).	
	7.9 Any clearing or removal of key habitat features (e.g. hollow-bearing trees, fallen timber, surface rock) must be salvaged and relocated for rehabilitation.	
	7.10 Include tree screening areas, visibility barrier, progressive rehabilitation, and monitoring / management of surrounding areas as per the Biodiversity and Rehabilitation Management Plan.	
	7.11 Topsoil will be stripped and stockpiled separately for use in rehabilitation activities.	
	7.12 Conduct ecological monitoring annually from Year 1-5, then every 2 years thereafter (unless otherwise stipulated) in accordance with the Biodiversity and Rehabilitation Management Plan.	

Table A9.1 (Cont'd)
Proposed Environmental Management and Monitoring Measures

Page 6 of 12

Desired Outcome	Measure	Timing
7. Biodiversity (Cont'd)		
Minimise the potential of vehicle strikes with threatened fauna	7.13 Communicate requirements for one site driving to all staff and contractors during training and inductions.	
	7.14 All site staff and contractors must adhere to a Driver's Code of Conduct.	
	7.15 Install and maintain appropriate signage.	
	7.16 Drivers are to adhere to speed limits within the Project Site.	
Minimise the impact to adjacent habitat due to edge effects, noise, dust or light spill	7.17 Implement the environmental safeguards as detailed in the relevant management plan for noise, dust and light.	Throughout the life of the Project
	7.18 No machinery will be left running outside of operational hours.	
	7.19 Lighting must meet Australian Standards with the light source shielded to face downwards.	
Minimise and avoid impact of weeds on the Quarry Site	7.20 Ensure that any weed infestations within the Project Site are identified and mapped an appropriate weed management is implemented as outlined in the Biodiversity Management Plan and the Rehabilitation Management Plan.	Throughout the life of the Project
	7.21 Implement a hygiene protocol to prevent the spread of weeds and/or pathogens.	
	7.22 Conduct annual weed monitoring, mapping and control within 200m of the disturbance footprint (where possible based on land ownership).	
	7.23 Consult with surrounding landholders regarding any weed control methods to be implemented.	
Minimise impact of and reduce pest animal populations	7.24 Implement a feral animal management program and outline this program in the Biodiversity and Rehabilitation Management Plan, to reduce and/or manage populations of feral animals at the Quarry Site including goats, rabbits, pigs, foxes and cats.	Throughout the life of the Project
	7.25 Conduct annual inspections for signs of feral animals within 200m of the disturbance footprint (where possible based on land ownership).	
	7.26 Conduct control programs informed by incidental sightings, adjacent land owners or any other reports, in consultation with surrounding landholders.	
	7.27 Implement environmental management measures to reduce availability of additional resource for pest fauna (e.g. management of waste).	
8. Aboriginal Heritage		
Appropriately manage Aboriginal objects within approved areas of disturbance	8.1 Prepare and implement a Heritage Management System that describes the procedures to be implemented for subsurface investigation of PAD sites, site salvage and documentation in consultation with RAPs and return to country or other protocols for the long-term management of artefacts as determined in consultation with the RAPs.	Prior to the commencement of construction
	8.2 Implement appropriate cultural heritage training for all site personnel, including in relation to identification and management of unanticipated finds.	Prior to the commencement of construction

Table A9.1 (Cont'd)
Proposed Environmental Management and Monitoring Measures

Page 7 of 12

Desired Outcome	Measure	Timing
8. Aboriginal Heritage (Cont'd)		
Appropriately manage unanticipated finds	8.3 Implement an unexpected finds protocol in the event that a previously unknown Aboriginal site is identified within the proposed areas of disturbance. – Cease all work in the vicinity of the site immediately. – Temporarily fence the site to prevent further disturbance. – Contact Heritage NSW, the RAPs and/or a qualified archaeologist to provide further advice or to assess the site. – Should the site be determined to be an Aboriginal object, ensure that the site location is registered with AHIMS and that a site card is submitted. – Avoid disturbing the site, if practicable. If not practicable ensure that all appropriate approvals are obtained prior to disturbance.	In the event an unanticipated Aboriginal object is identified
	8.4 Implement the following unexpected finds protocol in the event that a previously unknown Aboriginal site is identified outside of the proposed disturbance areas. – The site will be assessed by a qualified archaeologist and a RAP – The site will be considered for fencing depending on its proximity to the Limit of Disturbance – The site location will be registered with AHIMS, and a site card submitted.	
Appropriately manage suspected human remains	8.5 Implement the following protocol in the event that suspected human skeletal material is discovered within areas to be disturbed. – Follow Requirement 25 of the <i>Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW</i> which outlines the protocol for unexpected finds of physical remains are suspected to be Aboriginal ancestral remains, including to: - o Cease all work in the vicinity of the site immediately. - o Temporarily fence the site with a minimum buffer of 10m, ensuring that no further disturbance occurs to the skeletal remains or associated artefacts. If skeletal remains have been removed from the ground, these should be stored in a dry location on site. - o Contact the NSW Police and Heritage NSW to assist with identification of the burial. - o If the skeletal material is determined to be ancient Aboriginal remains, Heritage NSW would send a Compliance and Regulation Officer to the scene and then issue an Advisory Letter setting out the required process from this point. - o Ensure that the Aboriginal community (i.e. RAPs) are notified of the discovery.	In the event suspected human remains are identified

Table A9.1 (Cont'd)
Proposed Environmental Management and Monitoring Measures

Page 8 of 12

Desired Outcome	Measure	Timing
8. Aboriginal Heritage (Cont'd)		
Appropriately manage suspected human remains (Cont'd)	– Ensure that the Aboriginal remains are recorded under the direct supervision of a specialist anthropologist or other suitably qualified person.	In the event suspected human remains are identified
	– Ensure that the location of the burial is registered as an Aboriginal site on the AHIMS database.	
	– Ensure that work within the cordoned off area is not recommenced until authorisation is received in writing from Heritage NSW.	
9. Traffic and Transportation		
Achieve safe and efficient road transport operations	9.1 Prepare and implement a Driver's Code of Conduct for transport-related activities, for all quarry-related drivers, addressing route compliance, safe driving behaviour, load covering, vehicle maintenance, and protocols during adverse weather.	Prior to the commencement of construction and transportation activities
	9.2 Develop and implement a Transport Management Plan for all construction and operational phases, including road movements, haulage protocols, and coordination with relevant authorities.	
	9.3 Design and construct the Monaro Highway / Quarry Access Road as presented in the EIS.	
	9.4 Undertake a Road Safety Audit of the proposed Monaro Highway / Quarry Access Road intersection prior to construction.	
	9.5 Limit the despatch of laden heavy vehicles to no more than 200 vehicles per day and 25 per hour. This includes the despatch of quarry products as well as the import of materials.	Throughout the life of the Project
	9.6 Limit the despatch of concrete agitators to no more than 50 agitators per day and 13 per hour.	
	9.7 Ensure all heavy vehicles use approved B-double routes and avoid non-designated roads.	
	9.8 Use Secondary Access Road only during initial construction phase and for light vehicles or emergency access thereafter.	
	9.9 Maintain safe intersection sight distances through vegetation trimming and design compliance with Austroads SISD standards.	
	9.10 Ensure that transport operations including the arrival and despatch of heavy vehicles occurs within the approval operating hours.	
10. Soil and Land Capability		
Maximise the volume and viability of stripped soil resources	10.1 Clearly mark areas for stripping and stockpiling.	Throughout the life of the Project
	10.2 Strip topsoil from all areas of disturbance and store in stockpiles on relatively flat areas (<10% slope) orientated parallel to the contours no more than 2m high.	

Table A9.1 (Cont'd)
Proposed Environmental Management and Monitoring Measures

Page 9 of 12

Desired Outcome	Measure	Timing
10. Soil and Land Capability (Cont'd)		
Maximise the volume and viability of stripped soil resources (Cont'd)	10.3 Strip subsoil (where present) from areas of disturbance and store in stockpiles no more than 2m high.	Throughout the life of the Project
	10.4 Refrain from stripping or placing soil during wet conditions.	
	10.5 Ensure that the soil stockpile surfaces have a surface that is as 'rough' as possible, in a micro-scale, to assist in surface water runoff control and seed retention and germination.	
	10.6 Spread seed of a suitable cover crop on all soil stockpiles to facilitate early vegetation and apply water, if required.	
	10.7 Ensure that soil stockpiles are constructed with side slopes of 1:3 (V:H) or less and that the surface of all stockpiles achieves an effective 70% vegetation cover as soon as practicable. This would be achieved through the use of mulches, spray on polymer based products or other practices that would allow a vegetative cover to become established.	
	10.8 Signpost the soil stockpiles and limit operation of machinery on the stockpile to minimise compaction and further degradation of soil structure.	
Ensure soil resources are used appropriately for rehabilitation activities.	10.9 Rip or scarify all areas to be respread with topsoil to allow the respread material to be keyed into the underlying material.	During rehabilitation works
	10.10 Review soil characteristics prior to re-spreading and apply trace minerals or fertiliser as needed.	
11. Surface Water Resources		
Ensure surface water management objectives are being met.	11.1 Prepare and implement a Surface Water Management Plan that guides water management measures. The plan would include responsibilities for management for the Project including monitoring requirements and a trigger action response plan.	Prior to commencement of construction activities
	11.2 Prepare and implement an Erosion and Sediment Control Plan for progressive stages of development of the Project.	
	11.3 Undertake monthly water quality monitoring of water within sediment basins. Sample and test for pH, Total Suspended Solids (TSS), grease and oil, and electrical conductivity.	Throughout the life of the Project
	11.4 Maintain records of all water transferred within the Project Site including the volume of water discharged.	
	11.5 Maintain records of all external water imported to the site.	
	11.6 Ensure that dam capacity for the capture and use of clean runoff on-site complies with the Maximum Harvestable Rights Capacity of the land.	
Prevent pollution of surface waters	11.7 Manage sewage and effluent disposal through an approved water treatment system.	
	11.8 Store all hydrocarbon and chemical products in accordance with the manufacturer's specification and the relevant Australian Standard.	

Table A9.1 (Cont'd)
Proposed Environmental Management and Monitoring Measures

Page 10 of 12

Page 10 of 11

Desired Outcome	Measure	Timing
11. Surface Water Resources (Cont'd)		
Prevent pollution of surface waters (Cont'd)	11.9 Ensure visual inspections of water management infrastructure will be undertaken regularly and following significant a rainfall event of >15mm over a 24hr period.	Throughout the life of the Project
	11.10 Conduct maintenance on sediment basins within five days of a rain event and by transferring or discharging any water not required for onsite use. Discharge must achieve the nominated settling volume.	
Prevent pollution of surface waters (Cont'd)	11.11 Apply chemical coagulants and/or flocculants in any instance where detained surface water requires alteration to achieve the discharge limits required.	
	11.12 In any areas where active erosion of water management mitigation measures are observed, repairs shall be scheduled to re-instate full function and consideration given to installation of additional erosion mitigation as required.	
12. Groundwater		
Ensure that groundwater within the Quarry Site is monitored and impacts are minimised.	12.1 Prepare and implement a Groundwater Management Plan that guides groundwater management measures. The plan would include responsibilities for management for the Project as well as monitoring requirements and a trigger action response plan.	Prior to the commencement of construction
	12.2 Implement a groundwater monitoring program that includes private landholder bores GW402921 and GW40276 to enable for an assessment of impact for any make good agreement (subject to accessibility and suitability of the bores).	Throughout the life of the Project
	12.3 Meter groundwater production bores and develop a protocol to estimate groundwater inflow to the extraction area.	
	12.4 Implement appropriate make good provisions (e.g. replacement of impacted bores) in the event that existing groundwater bores are impacted beyond the relevant Aquifer Interference Policy Minimal Impact Considerations.	If required or 'in the event of unexpected impacts to groundwater levels and availability
Minimise the risk of impact to groundwater quality	12.5 Prepare and implement a Pollution Incident Response Management Plan, including associated protocols for communicating pollution incident to potentially affected parties, throughout the life of the Project.	Prior to the commencement of construction
	12.6 Ensure that all chemicals and hydrocarbons are stored in accordance with the manufacturer's specifications or the relevant Australian Standard to prevent contamination of groundwater.	Throughout the life of the Project
	12.7 Prepare and implement spill response procedures, including training and standard practices for hydrocarbon and chemical spill control, containment and clean up, in the event of accidental spills or leaks.	
All water used for the Project is licenced	12.8 Ensure that adequate water access licences and associated allocations are obtained for groundwater used.	Prior to the commencement of construction

Table A9.1 (Cont'd)
Proposed Environmental Management and Monitoring Measures

Page 11 of 12

Desired Outcome	Measure	Timing
13. Hazards and Public Safety		
Ensure bush fire related risks are managed in accordance with relevant guidelines and risks are minimised to the greatest extent practicable	13.1 Prepare and implement <i>Emergency Management and Evacuation Management Plan</i> , to safely manage bushfire and other emergency impacts.	Throughout the life of the Project
	13.2 Conduct all refuelling within designated areas of the Project Site.	
	13.3 Ensure that all engines are turned off during refuelling.	
	13.4 Enforce a no smoking policy in designated areas of the Project Site.	
	13.5 Ensure that all site vehicles and mobile earthmoving equipment are equipped with fire extinguishers.	
	13.6 Clearly delineate the location of all fire extinguishers on all Project Site maps and include in personnel and contractor training and inductions.	
	13.7 Quarry Manager is to manage vegetation fuel load within the Project Site to ensure it is minimised as much as possible.	
	13.8 Ensure that a water cart is available to provide firefighting capabilities, if required.	
	13.9 Fully comply with the requirements of Rural Fire Service and other emergency services in the event of a fire emergency.	
Ensure that hazards and safety risks are minimised to the greatest extent practicable	13.10 Ensure that access to the Project Site is controlled and that adequate measures are in place to detect and manage unauthorised access.	
	13.11 Store hydrocarbons and hazardous materials in bunded, impervious areas undercover in accordance with the relevant Australian Standard, including <i>AS1940 – The Storage and Handling of Flammable and Combustible Liquids</i> .	
	13.12 Manage all hazardous materials in accordance with the requirements of the <i>Work Health and Safety Regulations 2017</i> .	
	13.13 Ensure that all transport operators are trained in the management of the material detailed within the Safety Data Sheet, including in the event of an unplanned spill.	
	13.14 Remove waste oils from the Project Site on a regular basis for disposal at an appropriately licenced location.	
	13.15 Ensure training is provided to selected site personnel in relation to specific firefighting tasks and procedures.	
	13.16 Undertake all hot works within cleared areas or under a Hot Works Permit system.	
14. Economic		
Maximise the economic benefits of the Project	14.1 Enter into a Planning Agreements with Queanbeyan-Palerang Shire Council to provide funding to local community-based activities that improve community interaction or amenity and natural resources such as water and biodiversity.	Within 12 months of commencement of quarrying operations.

Table A9.1 (Cont'd)
Proposed Environmental Management and Monitoring Measures

Page 12 of 12

Desired Outcome	Measure	Timing
15. Social		
Maximise positive social impacts and minimise the potential for adverse social impacts within the local and regional area	15.1 Establish a CCC in accordance with Government guidelines.	Pre-construction and ongoing
	15.2 Enter into a Planning Agreements with Queanbeyan-Palerang Shire Council to provide funding to local community-based activities that improve community interaction or amenity and natural resources such as water and biodiversity.	Within 12 months of commencement of quarrying operations.
Ensure transparent, responsive grievance management and build community trust.	15.3 Implement a formal complaint handling protocol, with logging, tracking, and annual reporting of response times and resolution outcomes.	Pre-construction and ongoing
	15.4 Appoint a nominated quarry representative with authority and resources to be the point of contact for the community and to address Project-related enquiries, concerns and grievances.	Pre-construction and ongoing
Foster durable trust, transparency, and adaptive management throughout the life of the Project	15.5 Develop and implement a strategy including CCC, annual public meetings, blast notifications, grievance mechanisms, and transparent reporting of social indicators.	Pre-construction and ongoing
	15.6 Define and implement a notification protocol for key messages, such as blast notifications and operational updates.	15.7 Operational phase
	15.8 Incorporate community feedback and social performance metrics into the Project's Annual Review. Publish results of key monitoring outcomes including noise, dust, traffic and amenity.	15.9 Annually
Minimise amenity impacts and reduce stress or fear associated with blasting events.	15.10 Notify residents via SMS/email at least 24 hours prior to blasting. Include timing, safety information, and expected impacts.	Operational phase
Minimise traffic-related safety and amenity impacts for local residents.	15.11 Implement and enforce a Drivers Code of Conduct for all quarry-related drivers, including speed limits, noise minimisation, and haul route restrictions. Monitor via weighbridge logs.	Operational phase
Protect residential amenity and ensure compliance with community expectations.	15.12 Adhere to operating hours, blast frequency limits and traffic levels.	Operational phase
Ensure accountability and continuous improvement in social impact management.	15.13 Monitor and report on social indicators including community feedback, engagement outcomes, and mitigation effectiveness.	Annually