



Appendix 18

Compilation of Measures to Mitigate Environmental Impacts

(Total No. of pages including blank pages = 16)



ENVIRONMENTAL IMPACT STATEMENT

Tomingley Gold Operations Pty Ltd
Tomingley Gold Extension Project

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Table 18.1
Proposed Construction Phase Environmental Management and Monitoring Measures

Management Strategy	Measure	Timing
Off-site Construction of Public Roads		
Management Plans	The Applicant would prepare a <i>Public Road Construction Environmental Management Plan</i> that would address all relevant construction-related environmental management measures to be implemented during construction of the realigned Newell Highway and Kyalite Road and associated intersections. That Plan would be prepared in accordance with Transport for NSW QA <i>Specification G36 – Environmental Protection</i> and any conditional requirements of any development consent that may be issued for the Project.	Prior to commencement of road construction operations
On-site Construction of Site Infrastructure		
Management Plans	The Applicant would prepare a <i>Mine Site Construction Environmental Management Plan</i> that would address all relevant construction-related environmental management measures to be implemented during construction of on-site infrastructure in accordance with the conditional requirements of any development consent that may be issued for the Project.	Prior to commencement of site establishment operations



Table 18.2
Proposed Operational Environmental Management and Monitoring Measures

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Management Strategy	Measure	Timing
Traffic and Transportation		
Infrastructure and Design	Design the realigned Newell Highway and Kyalite Road and associated intersections, including the temporary intersections in consultation with the road authorities (Transport for NSW and Narromine Shire Council) and ensure that the designs are consistent with the <i>Austroads Guide to Road Design</i> .	Prior to site establishment
Operational Measures	Obtain all necessary approvals from TfNSW and Council for all proposed road upgrade works prior to commencing these works.	Prior to site establishment
	Commission the infrastructure upgrade and road improvement works identified in Section 3.4 in accordance with the requirements of the <i>Roads Act 1993</i> prior to the commencement of mining operations within the SAR Mine Site.	Following the completion of road construction
	Decommission redundant sections of the Newell Highway, McNivens Lane and Kyalite Road and redundant property access points in accordance with the requirements of the <i>Roads Act 1993</i> .	Following the completion of road construction
	Decommission the Kyalite Road overpass and Newell Highway underpass prior to Mining Lease relinquishment in consultation with Narromine Shire Council and TfNSW.	End of Project life or as required
Management Plans	Prepare and implement a <i>Construction Traffic Management Plan</i> for the road construction phase of the Project.	Prior to site establishment
	Prepare and implement an <i>Operational Traffic Management Plan</i> (OTMP) for the operational phase of the Project.	Prior to Project operations
Visibility		
Infrastructure and Design	Construct the SAR Amenity Bund.	During site establishment
	Progressively construct and rehabilitate the outer face of the SAR Waste Rock Emplacement in a series of lifts.	Throughout Project operations
	Maintain existing and establish additional vegetation screens.	During site establishment and ongoing
	Construct built infrastructure using non-reflective, neutral coloured materials or outer coatings.	During site establishment
	Ensure to the extent practicable that lights with diffusing covers or with visible bare lamps that emit light above the horizontal plane are not be used on the outside of buildings or structures.	Ongoing



Table 18.2 (Cont'd)
Proposed Operational Environmental Management and Monitoring Measures

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Management Strategy	Measure	Timing
Visibility (Cont'd)		
Operational Measures	Limit to the extent practicable, operation of mobile plant on the outer faces of the SAR Amenity Bund and SAR Waste Rock Emplacement to daylight hours.	Throughout Project operations
	Manage dust emissions and blasting to limit the potential for dust clouds or blast fume to be visible from outside active sections of the Project Site.	Throughout Project operations
	Ensure, to the extent practicable, that the light from all mobile lighting towers is directed away from surrounding residences and public roads.	Throughout Project operations
	Construct the SAR WRE access ramp in consideration of the direction and intensity of lighting from Project-related vehicles on users of the Newell Highway.	Throughout Project operations
	Turn off external lighting in non-operational or non-active sections of the Project Site.	Throughout Project operations
	Consider any reasonable request by a potentially affected resident for assistance to create a visual screen between a residence and the SAR Mine Site.	Throughout Project operations
Noise and Blasting		
Infrastructure and Design	Noise	
	Construct the SAR Amenity Bund	During site establishment
	Progressively construct and rehabilitate the outer face of the SAR Waste Rock Emplacement in a series of lifts.	Throughout Project operations
	Construct a bund adjacent to the proposed Haul Road or operate the Haul Road at least 6m below the natural ground surface between the southern boundary the Caloma Waste Rock Emplacement and the Newell Highway underpass.	If required once Caloma Waste Rock Emplacement has reached surface
	Consult with the owners of Residences R6, R26, R40 and R43 in relation to the predicted operational noise levels and, if requested to do so, enter into a suitable agreement to undertake mitigation works in a manner similar to the existing mitigation at residences within Tomingley village.	Prior to site establishment and ongoing
	Blasting	
	Construct all blasting-sensitive infrastructure, including public roads, powerlines and Project-related buildings outside of the identified Blast Management Zone.	During site establishment
	Construct or utilise existing fences and install warning signs surrounding the active mining areas to prevent inadvertent or unauthorised access to the Blast Management Zone.	Prior to Project operations



Table 18.2 (Cont'd)
Proposed Operational Environmental Management and Monitoring Measures

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Management Strategy	Measure	Timing
Noise and Blasting (Cont'd)		
Operational measures	Noise	
	Install broadband reversing alarms on all mobile earthmoving equipment.	Throughout site establishment and Project operations
	Undertake land preparation operations, including vegetation clearing and soil stripping, during the daytime only.	During site establishment
	Preferentially operate noisy equipment during the evening and night as close as possible to the acoustic bunds and SAR Haul Road and in the deepest sections of the open cuts.	Throughout Project operations
	Ensure that noisy equipment is operated in exposed locations during the daytime and preferentially when the wind is blowing from the closest receptors towards the operational area.	Throughout Project operations
	Blasting	
	Ensure that all surface blasts are designed and supervised by a suitably qualified and experienced blasting engineer or shotfirer to comply with the relevant blasting criteria at surrounding residences and infrastructure.	Throughout Project operations
	Establish and maintain the Blast Management Zone and ensure that only authorised personnel are permitted within that zone during blasting operations.	During blasting operations
	Store all explosives within a licenced Magazine in accordance with the relevant guidelines, regulatory requirements and licence conditions.	Throughout Project operations
	Implement best blast practice methodology to minimise fly-rock and fumes.	Throughout Project operations
Monitoring	Noise	
	Install two additional real time noise monitoring terminals Throughout Project operations.	Prior to site establishment
	Continue to undertake attended noise monitoring at selected locations surrounding the Project Site.	Throughout site establishment and Project operations
	Blasting	
	Monitor meteorological conditions prior to blast events and, where required, postpone blasting until more favourable meteorological conditions occur.	Prior to blasting operations
	Install permanent blast monitors at selected residences and monitor all blasts.	Prior to and during blasting operations
	Install temporary blast monitors at selected residences or locations where a substantiated complaint has been made or as otherwise required.	As required



Table 18.2 (Cont'd)
Proposed Operational Environmental Management and Monitoring Measures

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Management Strategy	Measure	Timing
Noise and Blasting (Cont'd)		
Community Consultation	Initiate regular discussions with potentially affected residents to identify if any concerns exist.	Throughout site establishment and Project operations
	Promptly respond to any issue of concern.	Throughout site establishment and Project operations
	Refine on-site noise mitigation measures and operating procedures, where practicable, in response to noise exceedances or substantiated community complaint	As required
Management Plans	Prepare and implement an updated <i>Noise Management Plan</i> and <i>Blasting Management Plan</i>	Prior to site establishment
Air Quality and Greenhouse Gas		
Infrastructure and Design	Sheet roads, particularly the Haul Road and Services Road, with low silt, durable materials to limit generation of silt-sized particles.	Throughout site establishment and Project operations
	Operate largest class of vehicle practicable to transport waste rock from the SAR Open Cut to the Caloma Waste Rock Emplacement.	Throughout Project operations
	Schedule transportation of waste rock from the SAR Open Cut to the Caloma Waste Rock Emplacement over the initial two to three years of mining.	Throughout Project operations
	Seal the initial 50m of Back Tomingley West Road and McNivens Lane from the edge of the Newell Highway and the SAR Access Road from the edge of Kyalite Road to limit tracking of mud and sediment onto the public road network.	During site establishment
	Continue to assess the feasibility of installing a solar power generation facility adjacent to the TGO Mine Site.	Ongoing
Operational Measures	Disturb only the minimum area necessary for mining operations.	Throughout site establishment and Project operations
	Undertake progressive rehabilitation of areas no longer required for mining operations as soon as practicable.	Throughout site establishment and Project operations
	Avoid material movement operations on elevated sections of the Project Site during periods of high wind.	Throughout Project operations
	Clearly mark all haul roads and other roads and tracks and ensure that signposted speed limits are complied with.	Throughout site establishment and Project operations
	Avoid blasting operations or other activities likely to generate significant dust emissions during periods of strong southerly wind, where practicable.	During blasting operations
	Ensure adequate stemming is used.	During blasting operations
	Minimise dust emissions from the existing crushing and screening operations to the extent practicable.	Throughout Project operations
	Use of water sprays/sprinklers or water carts on internal, unsealed roads and in other areas to minimise dust emissions, as required.	Throughout Project operations



Table 18.2 (Cont'd)
Proposed Operational Environmental Management and Monitoring Measures

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Management Strategy	Measure	Timing
Air Quality and Greenhouse Gas (Cont'd)		
Operational Measures (Cont'd)	Minimise drop heights during loading and unloading of waste rock and ore and avoid tipping material down a tip face.	Throughout Project operations
	Apply water to stockpiles prior to loading, transportation and unloading to limit dust emissions, as required.	Throughout site establishment and Project operations
	Review and implement energy efficiency measures where reasonable and practicable.	Throughout Project operations
	Maintain plant and equipment to maximise efficiency and reduce emissions.	Throughout Project operations
	Source locally produced goods and services to reduce transport fuel emissions.	Throughout Project operations
Monitoring and Management Plans	Monitor meteorological conditions (including via automated alerts) to identify periods of adverse weather and implement appropriate additional mitigation measures.	Throughout site establishment and Project operations
	Undertake visual monitoring and mandatory reporting of visible dust emissions to site supervisors and implement measures to minimise or reduce observed dust emissions.	Throughout site establishment and Project operations
	Monitor real-time dust emissions (including via automated alerts) using the existing TEOM and proposed PM ₁₀ dust monitors and implement measures to minimise or reduce observed dust emissions when predefined triggers are exceeded.	Throughout site establishment and Project operations
	Prepare and implement an updated <i>Air Quality and Greenhouse Gas Management Plan</i> .	Prior to site establishment
Surface Water		
Infrastructure and Design	Construct the proposed SAR Open Cut and SAR Administration Area Clean Water Diversions with a minimum freeboard of 0.5m above the anticipated 0.1% AEP flood level.	During site establishment
	Construct dirty water diversion structures, sediment basins and the SAR Water Storage Dam.	During site establishment
	Establish pump and pipe infrastructure between the proposed sediment basins and the SAR Water Storage Dam.	During site establishment
	Establish pump and pipe infrastructure between the SAR Water Storage Dam and the TGO Mine Site.	During site establishment
	Construct culverts under all public roads and the proposed Haul Road and Services Road.	During site establishment



Table 18.2 (Cont'd)
Proposed Operational Environmental Management and Monitoring Measures

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Management Strategy	Measure	Timing
Surface Water (Cont'd)		
Operational Measures	Install all erosion and sediment control structures prior to undertaking substantial surface disturbing activities.	During site establishment
	Ensure that dirty, mine or process water is separated and retained within the Project Site for use for mining-related purposes.	Throughout Project operations
	Ensure that all clean water from upslope of the Project Site is conveyed around disturbed sections of the Project Site at non-erosive velocities and is discharged to the downstream environment.	Throughout Project operations
	Inspect and maintain all surface water management infrastructure to ensure it continues to operate as designed and maintain surface water storages to ensure adequate capacity is maintained to capture and store surface water within the Project Site.	Regularly and as required after significant rainfall events
	Rehabilitate all disturbed areas as soon as practicable once no longer required for mining-related purposes.	Throughout site establishment and Project operations
	Store hydrocarbons, reagents and chemicals in accordance with the relevant Australian Standard or manufactured instructions.	Throughout site establishment and Project operations
	Undertake refuelling and maintenance activities in designated sections of the Project Site with spill capture and management infrastructure and protocols.	Throughout site establishment and Project operations
	Securely store and regularly remove all waste oil and contaminated waste from the Project Site.	Throughout site establishment and Project operations
	Ensure that the proposed pastefill plant is bunded to prevent discharge of low pH water.	Throughout Project operations
	Ensure that water use within the Project Site is managed in accordance with the water balance presented in Section 3.9.4 or subsequent versions included within the Water Management Plan.	Throughout Project operations
Monitoring and Management Plans	Monitor surface water flows and quality at a range of locations upslope, within and downslope of the Project Site.	Prior to and throughout site establishment and Project operations
	Prepare and implement an updated <i>Surface Water Management Plan</i>	Prior to site establishment
Groundwater		
Infrastructure and Design	Backfill the Caloma 1 and 2 Open Cuts and SAR Open Cut South and Central Pits.	Throughout Project operations
	Construct the Residue Storage Facilities and all water storages that would store process or mine water in a manner that would minimise the potential for seepage of contaminated water into the groundwater system.	During site establishment



Table 18.2 (Cont'd)
Proposed Operational Environmental Management and Monitoring Measures

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Management Strategy	Measure	Timing
Groundwater (Cont'd)		
Operational Measures	Construct paired monitoring bores in the vicinity of Gundong and Bulldog Creeks to demonstrate separation of the shallow alluvial aquifer and the deeper fractured rock aquifer.	Prior to site establishment
	Obtain water access licenses for a minimum annual extraction rate of 427ML from the Lachlan Fold Belt Murray Darling Basin (MDB) Groundwater Source of the Water Sharing Plan for the <i>NSW MDB Fractured Rock Groundwater Sources 2020</i> .	Prior to Project operations
	Undertake remodelling of the anticipated groundwater inflows to the TGO and SAR workings, taking into consideration groundwater monitoring results collected in the intervening period.	Prior to 31 December 2025
	Ensure that additional water access licences are obtained in light of the results of the proposed groundwater remodelling	Post groundwater remodelling and no later than 31 December 2025
	Ensure that where groundwater is not permitted to flow to natural land surface or surface drainages.	Throughout Project operations
Monitoring and Management Plans	Prepare and implement a revised <i>Groundwater Management Plan</i> .	Prior to site establishment
Land and Soil Capability		
Operational Measures	Soil Stripping	
	Delineate the areas to be stripped using suitable ground markers.	Throughout soil stripping operations
	Strip soil materials in accordance with the identified stripping depths and ensure soils of different classes are not mixed.	Throughout soil stripping operations
	Locate machinery circuits to minimise compaction of both undisturbed and stockpiled soil.	Throughout soil stripping operations
	Apply water where required to soils prior to and during stripping to maintain a 'slightly moist' condition.	Throughout soil stripping operations
	Minimise the handling and rehandling of salvaged soil as far as practicable.	Prior to and throughout site establishment and Project operations
	Soil Stockpiling	
	Directly place stripped soil onto areas undergoing rehabilitation where practicable.	Throughout soil stripping operations
	Stockpile soils of different classes separately.	Throughout soil stockpiling operations



Table 18.2 (Cont'd)
Proposed Operational Environmental Management and Monitoring Measures

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Management Strategy	Measure	Timing
Land and Soil Capability (Cont'd)		
Operational Measures (Cont'd)	Construct soil stockpiles with a maximum side slope of 1:3 (V:H).	Throughout soil stockpiling operations
	Construct soil stockpiles with a maximum height of 4m.	Throughout soil stockpiling operations
	Retain a 'rough' surface profile for soil stockpiles to promote water infiltration rather than runoff.	Throughout soil stockpiling operations
	Seed soil stockpiles with appropriate groundcover species, where practicable.	Throughout soil stockpiling operations
	Maintain all erosion and sediment control infrastructure in the vicinity of soil stockpiles throughout the life of the Project.	Throughout Project operations
	Monitor the condition of soil stockpiles throughout the life of the Project, including the presence of avoidable soil erosion or degradation.	Annually during Project operations
	Minimise rehandling of soil as far as practicable, unless it is required to address loss of soil stockpile integrity.	Throughout Project operations
	Soil Respreading	
	Place subsoil and topsoil in the locations and to the depths identified.	Throughout rehabilitation operations
	Test stockpiled soils prior to use to determine soil properties and identify required ameliorants including fertilizer treatments.	Prior to rehabilitation operations
	Monitor for adverse meteorological conditions prior to and during soil handling operations and do not commence or continue works until favourable conditions are present.	Throughout rehabilitation operations
	Reshape and rip, where practicable, all land surfaces prior to the placement of soil.	Prior to rehabilitation operations
	Apply any required ameliorants during soil spreading operations.	Prior to and during rehabilitation operations
	Plan and manage vehicle movements to reduce the compaction of soils as far as practicable.	Throughout rehabilitation operations
	Ensure soils and surfaces have adequate moisture content during respreading operations to minimise loss of soil and other dust related impacts.	Prior to and during rehabilitation operations
	Lightly scarify upper surface of topsoils to encourage rainfall infiltration.	During rehabilitation operations
	Stabilise final landform with appropriate pasture or other species as soon as practicable after respreading operations.	Following soil placement



Table 18.2 (Cont'd)
Proposed Operational Environmental Management and Monitoring Measures

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Management Strategy	Measure	Timing
Agriculture		
Monitoring and Management Plans	Weed, Pest and Disease Management	
	Manage weeds, pests and diseases in accordance with the <i>Mining Operations Plan</i> and <i>Biodiversity Management Plan</i> .	Throughout Project operations
Biodiversity		
Operational Measures	Ensure all workers are inducted in relation to Project environmental procedures, including environmental risk and emergency management.	Throughout site establishment and Project operations
	Survey and mark out the limits of approved native vegetation clearing and areas of native biodiversity to be retained and ensure that surface disturbing activities are limited to approved areas.	Throughout site establishment
	Construct temporary fencing around significant areas of native biodiversity during construction operations.	Throughout site establishment
	Avoid clearing native vegetation and hollow-bearing trees during the breeding season of hollow-dwelling fauna	Throughout site establishment
	Undertake pre-clearing inspections of hollow-bearing trees to confirm the absence of roosting/breeding threatened species and manage any vertebrate fauna identified during inspections to minimise the risk of mortality or injury.	Throughout site establishment
	Undertake vegetation clearance and any mulching in accordance with best practice principles, including staged vegetation clearance where practicable.	Throughout site establishment
	Respond to native fauna detected during vegetation clearing operations in accordance with the Fauna Handling and Rescue Procedure outlined in the <i>TGO Biodiversity Management Plan</i> .	Throughout site establishment
	Ensure machinery entering the Project Site has been adequately cleaned and inspected for foreign plant material including seeds prior to operating on site.	Throughout site establishment
	Control weed species within the Project Site	Throughout site establishment and Project operations
	Install warning signs at known wildlife crossing locations and adhere to speed limits to reduce the risk of vehicle strike to native fauna.	Throughout site establishment and Project operations
Monitoring and Management Plans	Prepare and implement a <i>Biodiversity Management Plan</i>	Prior to site establishment



Table 18.2 (Cont'd)
Proposed Operational Environmental Management and Monitoring Measures

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Management Strategy	Measure	Timing
Aboriginal Heritage		
Operational Measures	Ensure that areas outside the proposed Limit of Disturbance are not subject to Project-related disturbance.	Throughout site establishment and Project operations
	Ensure that all identified Aboriginal objects and sites are recorded in the Mine's spatial database.	Throughout site establishment and Project operations
Management Plans and Protocols	Prepare and implement an <i>Aboriginal Cultural Heritage Management Plan</i>	Prior to site establishment
	Implement the following management strategies identified for each site as listed in Table 6.11.8 . Group 1 – Sites to be mapped, described and collected <ul style="list-style-type: none"> Flag all visible surface artefacts at a site in the field. Photograph the site after flagging and before recording. Record key artefact information for all artefacts. Photograph a selection of indicative and / or unusual artefacts from each site. Collect the artefacts once all recording is complete according to site with artefacts from each site being kept separate. Incorporate data recorded in a report. Submit an Aboriginal Site Impact Recording Form (ASIRF) detailing the salvage process and results of the sites. Group 2 – Scarred trees to be relocated <ul style="list-style-type: none"> Photograph the scarred section of the tree prior to removal. Follow the advice of a suitably qualified arborist during the removal of the scarred section of each tree. Place the scarred portion of the trees in a place of safe-keeping, and with the agreement of the RAPs, potentially place the salvaged portions on display to allow continued interpretation. Group 3 – Sites to be fenced to prevent inadvertent disturbance. <ul style="list-style-type: none"> Erect a high-visibility fence around each site or group of sites, including a 5m buffer. Maintain fencing for the duration of site construction operations at a minimum. Ensure fenced areas are managed as no-go areas. 	Prior to site establishment
	Implement an unanticipated finds protocol in the event that a previously unknown Aboriginal site is identified within the proposed areas of disturbance.	Throughout site establishment and Project operations



Table 18.2 (Cont'd)
Proposed Operational Environmental Management and Monitoring Measures

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Management Strategy	Measure	Timing
Historic Heritage		
Operational Measures	Ensure that areas outside the proposed Limit of Disturbance are not subject to Project-related disturbance.	Throughout site establishment and Project operations
	Ensure that all identified historic heritage sites are recorded in the Mine's spatial database.	Throughout site establishment and Project operations
	Undertake a test excavation program under the supervision of a qualified Archaeologist within selected sections of the footprint of the realigned Newell Highway in the vicinity of the former McPhail village.	Prior to site establishment
	Undertake photographic archival recording of the "Rosewood" Homestead prior to disturbance.	Prior to site establishment
Management Plans and Protocols	Prepare and implement a <i>Historic Heritage Management Plan</i> .	Prior to site establishment
	Implement an Unanticipated Finds Protocol in the event that a historic artefact is identified	Throughout site establishment and Project operations
Hazards and Risks		
Infrastructure and Design	Explosives	
	Ensure that the SAR Magazine complies with all relevant engineering and safety standards.	Throughout Project operations
	Ensure that the SAR Magazines has a perimeter security fence and gate with access restricted to authorised personnel.	Throughout Project operations
	Bushfire	
	Establish and maintain an Asset Protection Zone of at least 50m around the buildings of the SAR Administration Area.	Throughout Project operations
Operational Measures	Explosives	
	Ensure that all authorised employees managing explosives would have a Security Clearance.	Throughout Project operations
	Bushfire	
	Maintain all roads and tracks within the Project Site to ensure safe access and egress in the event evacuation is required.	Throughout Project operations
	Ensure training is provided to site personnel in relation to specific firefighting tasks and procedures.	Throughout Project operations
	Store all hydrocarbons, waste oils and explosives in accordance with relevant guidelines.	Throughout Project operations
	Facilitate access to the Project Site for Rural Fire Service equipment and personnel, including access to standpipes and water filling points, in the event of a fire emergency.	Throughout Project operations
	Fully comply with the requirements of Rural Fire Service and other emergency services in the event of a fire emergency.	Throughout Project operations



Table 18.2 (Cont'd)
Proposed Operational Environmental Management and Monitoring Measures

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Management Strategy	Measure	Timing
Hazards and Risks (Cont'd)		
Operational Measures (Cont'd)	Consult regularly with the Rural Fire Service.	Throughout Project operations
	Monitor and reduce fuel loads within the Asset Protection Zone as required.	Throughout Project operations
	Undertake monitoring and reduction of fuel loads within the Project Site in accordance with existing programs.	Throughout Project operations
Monitoring and Management Plans	Bushfire	
	Develop site-specific Emergency and Evacuation Management Procedures.	Prior to site establishment
Economic Impacts		
Operational Measures	Extend the existing Planning Agreement with Narromine Shire Council for the life of the Project.	Prior to determination of the application for development consent
	Continue to implement the current local employment and procurement process that: <ul style="list-style-type: none"> • give preference when engaging new employees to candidates who live within the Narromine, Parkes and Dubbo LGAs; • give preference to suppliers of equipment, services or consumables located within the Narromine, Parkes and Dubbo LGAs; • encourage and support participation of potential locally-based employees and contractors in appropriate training or education programs to build capacity within the surrounding areas; and • encourage and support participation of Aboriginal people and organisations in Project-related employment and supply services. 	Throughout site establishment and Project operations
Social		
Infrastructure and Design	Construct the SAR Amenity Bund and outer face of the SAR Waste Rock Emplacement to obscure views of active sections of the Project Site.	Throughout site establishment and Project operations
	Construct the realigned Kyalite Road as close as possible to the existing alignment, including an overpass over the Haul Road and Services Road.	During site establishment
	Construct the SAR Waste Rock Emplacement using geomorphic design principles.	Throughout Project operations
	Construct the Back Tomingley West Road, Kyalite Road and McNivens Lane intersections with the realigned Newell Highway with channelised turning lanes.	During site establishment



Table 18.2 (Cont'd)
Proposed Operational Environmental Management and Monitoring Measures

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Management Strategy	Measure	Timing
Social (Cont'd)		
Operational measures	Continue to preferentially engage local employees and/or suppliers, where available.	Throughout site establishment and Project operations
	Continue to provide support to local and Regional community groups, organisations and individuals to undertake community-based activities that support and benefit the Local and Regional communities.	Throughout site establishment and Project operations
Consultation, Agreements and Management Plans	Develop and implement a <i>Community Engagement Plan</i> for the Project	Prior to site establishment
	Negotiate commercial agreements with key affected landholders for the leasing of key dwellings for the life of the Project.	Prior to site establishment or as required
	Continue ongoing open and transparent consultation via regular Community Consultative Committee meetings, consultation with individual landholders and community information sessions.	Throughout site establishment and Project operations
	Establish and build upon existing frameworks to monitor and report on social impacts.	Throughout site establishment and Project operations
	Liaise with surrounding local Councils in regard to housing pressures and availability.	As required
	Extend the existing Planning Agreement with Narromine Shire Council for the life of the Project.	Prior to determination of the application for development consent
	Support the preparation of a long-term development plan for Tomingley village, to ensure that the village continues to thrive following the completion of mining operations.	As required