

# **Appendix 5**

## **Summary of Proposed Environmental Management and Monitoring Measures**

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**Table A5-1**  
**Summary of Proposed Environmental Management and Mitigation Measures**

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| Summary of Proposed Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Relevant EIS Section(s) |
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| <b>AIR QUALITY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |
| <p>The Applicant would implement the following management and mitigation measures to minimise the emission of particulates throughout the life of the Proposal.</p> <ul style="list-style-type: none"> <li>• Limit, where practicable, excavation during periods of high winds.</li> <li>• Limit disturbance to the minimum area necessary for mining and associated activities.</li> <li>• Operate the largest practical truck size to reduce the number of movements necessary to transport the ore and waste rock.</li> <li>• Adhere to all vehicle speed limits.</li> <li>• Profile all surfaces to reduce velocity of overland winds.</li> <li>• Apply vegetative cover to non-operational exposed surfaces as soon as practical after disturbance.</li> <li>• Maintain operational exposed areas in a moist condition by using a water cart to water down areas likely to generate wind-blown and traffic-generated dust.</li> <li>• Apply water to all roads and trafficked areas using a water truck to minimise the generation of dust.</li> <li>• Water stockpiles to maintain moisture content and minimise the generation of dust.</li> <li>• Clearly define all haul roads edges with marker posts or equivalent to control their locations, especially when crossing large areas of non-descript disturbance.</li> <li>• Close, rip and revegetate all obsolete roads.</li> <li>• Reshape, topsoil and rehabilitate all completed areas as soon as practicable after the completion of mining operations.</li> <li>• Ensure that all potential sources of gaseous emissions are identified and appropriate control measures installed to ensure compliance with the <i>Protection of the Environment Operations Act 1997</i> Group 6 plants.</li> <li>• Ensure that all emission control equipment is installed, maintained and tested in accordance with the manufacturer's recommendations.</li> </ul> | 4.2.5                   |
| <b>ECOLOGY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                         |
| <p>The Applicant would implement the following to mitigate disturbance of natural vegetation and threatened species habitat.</p> <ul style="list-style-type: none"> <li>• Draft and implement a <i>Biodiversity Management Plan</i> to manage potential biodiversity impacts in general and the following issues in particular. <ul style="list-style-type: none"> <li>– Pests and weed management.</li> <li>– Grey-Crowned Babbler management.</li> <li>– Fauna monitoring.</li> </ul> </li> <li>• Clearly mark-out the proposed disturbance footprint boundaries and identify vegetation to be cleared.</li> <li>• Implement a hollow-bearing tree pre-clearance survey including inspection of all hollows and immediate surrounds a qualified professional for any species prior to clearing activities. If any fauna is identified, these would be relocated to areas outside of the proposed disturbance footprint prior to clearing.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4.3.7                   |

**Table A5-1 (Cont'd)**  
**Summary of Proposed Environmental Management and Mitigation Measures**

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| Summary of Proposed Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Relevant EIS Section(s) |
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| <b>ECOLOGY (Cont'd)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                         |
| <ul style="list-style-type: none"> <li>• Ensure machinery required for the Proposal remains on existing vehicular access tracks or within the proposed disturbance footprint, where practicable. Where this is not possible, machinery would be manoeuvred to avoid sapling or remaining canopy trees wherever possible.</li> <li>• Place felled canopy trees in adjacent vegetation areas outside of the proposed disturbance footprint to improve existing habitats.</li> <li>• Eradicate any identified noxious weed and other weed material encountered, ensuring that the weed is destroyed and/or removed using appropriate methods to ensure weeds do not spread into the remainder of the Project Site.</li> <li>• Install sediment and erosion control structures where appropriate.</li> <li>• Stabilise exposed soils to prevent potential erosion.</li> <li>• Implement a Biodiversity Offset Strategy in order to compensate for unavoidable impacts as a result of the Proposal. The Biodiversity Offset Strategy would consist of a Biodiversity Offset Area of 64ha and associated management measures. The Biodiversity Offset Area would be established in the eastern section of the Project Site in order to strengthen connectivity across a fragmented landscape.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         |
| <b>SURFACE WATER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                         |
| <p>The Applicant would implement following management and mitigation measures to minimise the potential for surface water-related impacts throughout the life of the Proposal.</p> <ul style="list-style-type: none"> <li>• Prepare a detailed <i>Surface Water, Sediment and Erosion Control Plan</i>, including a description of surface water management structures and procedures.</li> <li>• Ensure that all surface water collected within the Processing Plant and Residue Storage Facility bunded area is either used within the Processing Plant or is permitted to evaporate.</li> <li>• Ensure that all surface water within open cuts is collected and either used within the Processing Plant or is permitted to evaporate.</li> <li>• Ensure, where practicable, that all surface water within the Borrow Pit is collected and either used within the Processing Plant or is permitted to evaporate. Where this is not practicable, for example, following an extreme rainfall event, ensure that collected water is tested to ensure compliance with the ANZECC (2000) irrigation guidelines prior to being discharged to land within the Project Site.</li> <li>• Construct the Site Access Road, Elevated Haul Road and all other roads not within the bunded areas in accordance with <i>Managing Urban Stormwater – Volume 2C: Unsealed Roads</i>.</li> <li>• Construct a floodway/culvert under the Elevated Haul Road capable of conveying a flow of up to 2.6m<sup>3</sup>/s without eroding.</li> <li>• Ensure that all fuel and chemical storage, delivery and handling areas are bunded to 110% of the size of the largest receptacle.</li> <li>• Ensure that pumps and fluid lines for the delivery of chemicals or fuels would be bunded and/or protected. Transfer volumes would be monitored at all times to quickly identify any leaks and appropriate action to be undertaken.</li> <li>• Develop a <i>Soil and Water Management Plan</i> for the rehabilitation and mine closure component of the Project describing all sediment and erosion control measures that would be implemented during the rehabilitation and relinquishment phase of the Proposal.</li> </ul> | 4.4.4                   |

**Table A5-1 (Cont'd)**  
**Summary of Proposed Environmental Management and Mitigation Measures**

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| Summary of Proposed Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Relevant EIS Section(s) |
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| <b>SURFACE WATER (Cont'd)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                         |
| <ul style="list-style-type: none"> <li>Shape the decommissioned Residue Storage Facility into a raised plateau with a shallow dome profile so that water would be shed from its surface as sheet flow without concentration.</li> <li>Install an appropriate number of engineered drop structures on the rehabilitated face of the former Residue Storage Facility to safely transfer surface water down to original ground level and to prevent erosion of the embankment at the location of these structures.</li> <li>Ensure that rehabilitation, including the placement of soil and revegetation with endemic native species (for those areas to be used for nature conservation) or pasture species (for those areas to be used for agriculture) is undertaken promptly once sections of the Project Site are no longer required for mining-related purposes.</li> <li>Construct surface water control structures on the rehabilitated landform to limit the potential for erosion of newly placed soils.</li> <li>Ensure that sediment control structures constructed for the Project remain in place until rehabilitated areas are sufficiently stabilised.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |
| <b>GROUNDWATER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                         |
| <p>The Applicant would implement following management and mitigation measures to minimise the potential for groundwater-related impacts associated with the Proposal.</p> <ul style="list-style-type: none"> <li>Store and use all chemicals in accordance with the manufacturer's instructions and the relevant Material Safety Data Sheets.</li> <li>Store all hydrocarbon and chemical products within a bunded area in accordance with AS1940 – <i>The storage and handling of flammable and combustible liquids</i>.</li> <li>Ensure that Material Safety Data Sheets and appropriate spill management equipment is available in the vicinity of all chemical storage areas.</li> <li>Develop and implement a management plan for the storage and handling of reagents and fuels throughout the life of the Project.</li> <li>Ensure all relevant personnel are provided with appropriate training in proper handling techniques for hydrocarbon and chemical products.</li> <li>Ensure that the volume of water pumped from the proposed open cuts is monitored and recorded to enable net groundwater inflows to be determined.</li> <li>Ensure that the Residue Storage Facility and other water storages are appropriately lined and monitored to minimise the potential for seepage of chemical-laden water into the underlying aquifer.</li> <li>Ensure that standing water levels in surrounding monitoring bores and groundwater inflow rates to the proposed mine are monitored monthly and should the actual groundwater inflows or reduction in standing water levels be greater than that assessed, ensure that the advice of a suitable qualified hydrogeologist is sought.</li> </ul> | 4.5.4                   |
| <b>NOISE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                         |
| <p>The Applicant would implement the following management and mitigation measures to minimise the potential noise-related impacts associated with the Proposal.</p> <ul style="list-style-type: none"> <li>Strictly comply with the proposed hours of operation identified in Section 2.11.2.</li> <li>Regularly service all equipment on site to ensure sound power levels of each item remains at or below the default/or factory-set values.</li> <li>Install frequency modulated reversing alarms to all mobile equipment.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4.6.5                   |

**Table A5-1 (Cont'd)**  
**Summary of Proposed Environmental Management and Mitigation Measures**

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| Summary of Proposed Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Relevant EIS Section(s) |
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| <b>NOISE (Cont'd)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                         |
| <ul style="list-style-type: none"> <li>• Ensure that all truck drivers would be required to comply with a Code of Conduct outlining procedures for reducing noise impacts during transportation within the Project Site and off site.</li> <li>• Maintain an open dialogue with the surrounding community and neighbours to ensure any concerns over noise or vibration are addressed.</li> <li>• Prepare and implement a detailed <i>Road Construction Management Plan</i> in consultation with the owners of Residence R4 to ensure that road construction activities do not adversely impact on the residents living at that residence.</li> <li>• Limit the speed of vehicles on the Site Access Road to a speed that would ensure that noise and dust impacts at Residence R4 are minimised to the extent practicable.</li> <li>• Ensure regular and open consultation with the residents of Residence R4 during the construction operations and initial mining operations. Ensure that reasonable concerns are addressed promptly and effectively.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |
| <b>TRAFFIC AND TRANSPORTATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |
| <p>The Applicant would implement the following management and mitigation measures to minimise the potential traffic and transport-related impacts associated with the Proposal.</p> <ul style="list-style-type: none"> <li>• Implement a suitable Code of Conduct for drivers of heavy vehicles, including subcontractors where applicable. Consult will all relevant road users during preparation of the Code of Conduct, including: <ul style="list-style-type: none"> <li>– surrounding residents;</li> <li>– Bogan Shire Council; and</li> <li>– operators of school bus routes on Gilgai Road.</li> </ul> </li> <li>• Ensure all truck loads are covered to prevent loose materials falling onto the roadway or the creation of excessive dust.</li> <li>• The following signs would be erected prior to construction activities commencing. <ul style="list-style-type: none"> <li>– A 'Truck Entering' sign on Gilgai Road on the southern approach to the proposed Site Access Road;</li> <li>– A 'Reduce Speed' sign on Gilgai Road approximately 350m to the southwest of the intersection of the Site Access Road</li> <li>– Over-size truck warning signs on the Barrier Highway on the east and west approaches to Gilgai Road.</li> <li>– A 'Stop' sign for drivers exiting the Project Site via the Site Access Road.</li> </ul> </li> <li>• Road markings and lane delineations on Gilgai Road would be maintained as necessary.</li> <li>• Construct a suitable sealed BAR/BAL intersection between the Site Access Road and Gilgai Road in accordance with Austroads (2010).</li> <li>• Undertake works in consultation with the Roads and Maritime Service to improve sight distances to the west along the Barrier Highway from the intersection with Gilgai Road.</li> <li>• All truck drivers would be required to stop at the stop sign on the Site Access Road before entering Gilgai Road, and comply with all applicable intersection controls.</li> </ul> | 4.7.4                   |

**Table A5-1 (Cont'd)**  
**Summary of Proposed Environmental Management and Mitigation Measures**

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| Summary of Proposed Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Relevant EIS Section(s) |
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| <b>ABORIGINAL HERITAGE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                         |
| In order to ensure that any sites or artefacts of historic heritage are not impacted by the Proposal, an unanticipated finds protocol would be developed to be implemented if unanticipated Aboriginal heritage sites or artefacts are discovered within the Project Site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4.8.8                   |
| <b>NON-ABORIGINAL HERITAGE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                         |
| <p>In order to ensure that any sites or artefacts of historic heritage significance are not impacted by the Proposal, the following management and mitigation measures would be implemented.</p> <ul style="list-style-type: none"> <li>The Fig Tree House Site and a 100m buffer around the site would be identified on site plans and no surface disturbing activities would be undertaken within that area.</li> <li>An unanticipated finds protocol would be developed to be implemented if unanticipated historical heritage sites or artefacts are discovered within the Project Site.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                              | 4.9.6                   |
| <b>VISUAL AMENITY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                         |
| <p>The Applicant would implement the following management and mitigation measures to minimise the potential visual amenity-related impacts associated with the Proposal.</p> <ul style="list-style-type: none"> <li>Ensure that active dust suppression is undertaken to reduce the potential for the creation of a 'dust cloud'.</li> <li>Construct the Processing Plant using non-reflective, neutral coloured materials.</li> <li>Ensure that night-time lighting is the minimum required for safe operations and that lighting is directed towards the ground (minimising the light spill from the Project Site).</li> <li>Ensure that lighting not required would be turned off, particularly in elevated sections of the Project Site, including on the Residue Storage Facility and Processing Plant.</li> <li>Undertake regular consultation with surrounding residents and address any visual amenity-related concerns to the extent reasonable and practicable.</li> </ul> | 4.10.3                  |
| <b>BUSHFIRE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         |
| <p>The Applicant would implement the following management and mitigation measures to minimise the potential bushfire-related impacts associated with the Proposal.</p> <ul style="list-style-type: none"> <li>Ensure that refuelling is undertaken within designated fuel bays or within cleared area of the Project Site.</li> <li>Ensure that a no smoking policy to be enforced in designated areas of the Project Site.</li> <li>Ensure that fire extinguishers and/or firefighting infrastructure such as pumps, hydrants, hoses and sprinklers are located and maintained within the Processing Plant Area, site vehicles and refuelling areas.</li> <li>Ensure that a water cart available to assist in extinguishing any fire ignited.</li> <li>Ensure that the Rural Fire Service is consulted in relation to management of bushfire risks within the Project Site and the Applicant's capability to respond to off-site bushfire events.</li> </ul>                        | 4.11.3                  |

**Table A5-1 (Cont'd)**  
**Summary of Proposed Environmental Management and Mitigation Measures**

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| Summary of Proposed Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Relevant EIS Section(s) |
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| <b>SOILS AND CAPABILITY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                         |
| <p>The Applicant would implement the following management and mitigation measures to minimise the potential soil and Land capability-related impacts associated with the Proposal.</p> <ul style="list-style-type: none"> <li>Strip topsoil and subsoil together to a depth of approximately 300m.</li> <li>Ensure that sufficient soil stripped and stockpiled to enable 300mm of soil to be placed over the rehabilitated landform, namely the Processing Plant Area, Residue Storage Facility, Borrow Pit and all other associated disturbance, with the exception of the open cuts which would remain as voids.</li> <li>Store stripped topsoil would be stored in stockpiles no more than 3m in height, and side slopes of 1:3 (V:H) or shallower.</li> <li>Ensure soil is not be stripped when either excessively dry or wet to preserve soil structure.</li> <li>Establish ground cover on soils exposed for more than two months in order to minimise wind and water erosion potential, and the threat of soil structural decline. Spray-on polymer covers or mulches may be used until vegetation can become established.</li> <li>Prevent the operation of machinery on soil stockpiles once formed and shaped to avoid compaction.</li> <li>Ensure that weeds are managed so that they do not become established on the soil stockpiles.</li> </ul> | 4.12.4                  |
| <b>AGRICULTURAL LANDS AND ENTERPRISES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         |
| <p>The Applicant would implement the following management and mitigation measures to minimise the potential agricultural-related impacts associated with the Proposal.</p> <ul style="list-style-type: none"> <li>Ensure that appropriate weed and pest management programs are implemented in consultation with surrounding landholders and the Bogan Shire Council weeds officer.</li> <li>Ensure that appropriate bush fire management measures as identified in Section 4.11.3 are implemented to prevent initiation of a bushfire within the Project Site or management of any fire that may impact on the Project Site.</li> <li>Ensure that preference for employment and service contracts is provided to residents and businesses within the Bogan Local Government Area and that opportunities for part-time or job sharing or that suitable rosters are provided to enable farmers to continue to operate their properties while earning an off-farm income through the Proposal.</li> </ul>                                                                                                                                                                                                                                                                                                                                                        | 4.13.4                  |
| <b>SOCIO-ECONOMIC ENVIRONMENT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                         |
| <p>In addition to the mitigation measures and management procedures relating to amenity aspects such as noise, air quality, visibility, transportation etc., described previously, the Applicant would implement the following management and mitigation measures to ensure that Project-related benefits for the community surrounding the Project Site are maximised and adverse impacts are minimised, particularly given the small size of the surrounding communities.</p> <ul style="list-style-type: none"> <li>Engage in regular dialogue with surrounding residents in relation to the Applicant's activities and implement and maintain an "open door" policy for interested parties to discuss aspects of those activities that may be perceived as problematic.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4.14.5                  |

**Table A5-1 (Cont'd)**  
**Summary of Proposed Environmental Management and Mitigation Measures**

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| Summary of Proposed Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Relevant EIS Section(s) |
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| <b>SOCIO-ECONOMIC ENVIRONMENT (Cont'd)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                         |
| <ul style="list-style-type: none"> <li>Negotiate a Voluntary Planning Agreement with Bogan Shire Council to ensure an equitable contribution to the local community, without adversely impacting on the financial robustness of the Proposal.</li> <li>Support community organisations, groups and events, as appropriate, and review any request by a community organisation for support or assistance.</li> <li>Form and maintain a Community Consultative Committee (CCC).</li> <li>Regularly brief the CCC and wider community on the Applicant's activities and seek feedback in relation to any actual or perceived adverse impacts. Seek advice on how to provide assistance to resolve issues raised by any member of the community in an effective, fair and equitable manner.</li> <li>Maintain a community complaints telephone line and ensure that the existence of the number is advertised widely.</li> <li>Give preference when engaging new employees, where practicable, to candidates from the surrounding communities over candidates with equivalent experience and qualifications from elsewhere and ensure that the mining and other contractors do so as well.</li> <li>Facilitate seasonal, part time and casual work that takes into account the requirements of surrounding agricultural operations.</li> <li>Encourage the involvement of the local Aboriginal community in the workforce.</li> <li>Encourage and support participation of locally-based employees and contractors in training or education programs to impart the appropriate skillsets and qualifications in them for continued development and economic growth within the surrounding communities following completion of the Proposal.</li> <li>Give preference, where practicable and cost-competitive, to suppliers of equipment, services or consumables located within the surrounding communities.</li> <li>Encourage and support, in consultation with the local community, the provision of services to the community. These may include health, education, transportation and other services.</li> <li>Ensure that the land capability of those sections of the final landform to be used for grazing is similar to the current land capability.</li> </ul> |                         |

**Table A5-2**  
**Summary of Proposed Environmental Monitoring Measures**

| Summary of Proposed Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Relevant EIS Section(s) |
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| <b>AIR QUALITY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         |
| <p>The following air quality monitoring would be implemented throughout the life of the Proposal.</p> <ul style="list-style-type: none"> <li>• Deposited dust – deposited dust gauges would be established on the northeastern and southwestern boundaries of the Project Site.</li> <li>• Gaseous emissions monitoring, including:               <ul style="list-style-type: none"> <li>– periodic testing during use to ensure the effectiveness of the emissions controls, including scrubbers; and</li> <li>– annual, ambient testing for H<sub>2</sub>S and SO<sub>2</sub>.</li> </ul> </li> </ul> | 4.2.7                   |
| <b>SURFACE WATER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                         |
| The Applicant would ensure that any water to be discharged from the Borrow Pit is tested to ensure compliance with the ANZECC (2000) irrigation guidelines before applying that water to land within the Project Site                                                                                                                                                                                                                                                                                                                                                                                   | 4.4.4                   |
| <b>GROUNDWATER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         |
| The Applicant would monitor the groundwater inflow rates to the proposed Open Cut and the standing water levels of the Project Site groundwater bores monthly. Should the actual groundwater inflows or reduction in standing water levels be greater than that assessed, the advice of a suitable qualified hydrogeologist would be sought.                                                                                                                                                                                                                                                            | 4.5.6                   |
| <b>NOISE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                         |
| Attended noise monitoring would be offered to surrounding residents, in particular, the residents at Residence R3, and would be undertaken on request.                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4.6.7                   |