

## APPENDIX X – MITIGATION MEASURES

| IDENTIFIED IMPACT            | MITIGATION MEASURES AND MANAGEMENT MEASURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| BIODIVERSITY                 | <p>The proposed development will require the removal of exotic vegetation. The following measures of avoidance have been or are required to be undertaken and conditioned as part of any development consent:</p> <ul style="list-style-type: none"> <li>• <b>Vegetation Protection:</b> <ul style="list-style-type: none"> <li>○ Clearly delineate the development boundaries to prevent unintended disturbance of adjacent native vegetation areas.</li> </ul> </li> <li>• <b>Erosion Control - To mitigate soil erosion and pollutant runoff during construction:</b> <ul style="list-style-type: none"> <li>○ Install erosion and sediment control measures before commencing construction.</li> <li>○ Regularly inspect and maintain erosion and sediment control structures, especially after rainfall events, to ensure their effectiveness.</li> <li>○ Promptly remove excavated materials from the site to prevent sedimentation.</li> <li>○ Maintain silt fences and other mitigation measures, particularly along the western boundary, to isolate runoff.</li> </ul> </li> <li>• <b>Dust Control – To minimise dust generation and its impact on adjacent natural environments:</b> <ul style="list-style-type: none"> <li>○ Implement speed limits for all vehicles within the development area to reduce dust.</li> <li>○ Use water tankers to dampen unpaved access tracks during construction as needed.</li> <li>○ Apply dust suppressants or cover soil stockpiles to prevent dust emission.</li> </ul> </li> <li>• <b>Chemical Spill Management – To prevent chemical spills and their potential impact on adjacent natural environments:</b> <ul style="list-style-type: none"> <li>○ Store all chemicals in clearly marker, bunded areas to contain spills.</li> <li>○ Regularly inspect vehicles and machinery for fuel or oil leaks.</li> </ul> </li> <li>• <b>Weed Management – Implement weed management strategies during and after construction to prevent the spread of invasive species:</b> <ul style="list-style-type: none"> <li>○ Conduct weed removal prior to construction to reduce the potential for exotic species to spread. Dispose of organic matter and soil removed during this process appropriately.</li> <li>○ Clean all vehicles and machinery before entering and leaving the study area to prevent the introduction and spread of exotic species.</li> </ul> </li> </ul> |
| ABORIGINAL CULTURAL HERITAGE | <p>Regardless of the findings and in accordance with a precautionary approach to potential impacts, the following mitigation and management</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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| IDENTIFIED IMPACT          | MITIGATION MEASURES AND MANAGEMENT MEASURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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|                            | <p>are proposed to minimise the risks of any residual risks to Aboriginal Cultural Heritage:</p> <ul style="list-style-type: none"> <li>• All works should proceed with an unapproved Unanticipated Finds Protocol (UFP) in place. An example of a UFP for Aboriginal cultural heritage is appended to the ACHAR.</li> <li>• All land and ground disturbance activities must be confined to within the study area, as this will eliminate the risk of harm to potential Aboriginal objects that may be in adjacent landforms. Should the parameters of the proposal extend beyond the assessed study area, then further archaeological assessment may be required.</li> <li>• Prior to undertaking any land and ground disturbance activities, all staff and contractors involved in the proposed work should undergo a cultural heritage induction to ensure that they can recognise Aboriginal artefacts, are aware of the legislative protection requirements for all Aboriginal sites and objects under the NPW Act and are familiar with the UFP.</li> </ul>                                                                                                                                                  |
| <b>HISTORIC HERITAGE</b>   | <p>The results of the database searches found no historic heritage items within the study area, and no items of potential historical heritage significance were identified during the field inspection.</p> <p>It is considered very unlikely that significant historic items will be discovered within the study area. As such, it is considered that the construction and operation of the proposal may proceed with caution, with no additional management measures necessary with regards to historic heritage outside of the unexpected historic heritage finds procedure.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>CONTAMINATION</b>       | <p>With consideration of the findings of the PSI, Advitech have not made any recommendations for further investigations, risk mitigation or management measures.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>BUSHFIRE ASSESSMENT</b> | <p>In addition to the identification of APZ for the breeder farm, the BTA provides the following recommendations to ensure that the proposed development will meet the relevant legislative requirements:</p> <ul style="list-style-type: none"> <li>• The proposed six (6) new pig sheds and administration / amenities building, must comply with the following objectives of Chapter 1 in Planning for Bushfire Protection 2019: <ul style="list-style-type: none"> <li>○ Afford buildings and their occupants protection from exposure to a bushfire;</li> <li>○ Provide for defendable spaces to be located around building – <i>defendable space areas for each laying shed, services buildings and water tanks are provided at minimum 10m.</i></li> <li>○ Provide appropriate separation between a hazard and buildings which, in combination with other measures, prevent the likely fire spread to buildings;</li> <li>○ Ensure that appropriate operational access and egress for emergency service personnel and occupants is available – <i>consider the preparation of a bushfire emergency management and evacuation plan to support the safe operation of the facility.</i></li> </ul> </li> </ul> |

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|                                | <ul style="list-style-type: none"> <li>○ Provide for ongoing management and maintenance of BPMs; and</li> <li>○ Ensure the utility services are adequate to meet the needs of firefighters</li> <li>● Comply with the following in regard to fittings for static water supply:             <ul style="list-style-type: none"> <li>○ A connection for firefighting purposes is located within the IPA on non-hazard side and away from the structure; 65mm Storz outlet with all ball valve is fitted to the outlet;</li> <li>○ Ball valve and pipes are adequate for water flow and are metal;</li> <li>○ Supply pipes from tank to ball valve have the same bore size to ensure flow volume;</li> <li>○ Underground tanks have an access hole of 200mm to allow tankers to refill direct from the tank;</li> <li>○ A hardened ground surface for truck access is supplied within 4m; above ground tanks are manufactured from concrete or metal;</li> <li>○ Raised tanks have their stands constructed from non-combustible material or bush fire-resisting timber.</li> <li>○ Unobstructed access can be provided at all times;</li> <li>○ Underground tanks are clearly marker;</li> <li>○ Tanks on the hazard side of a building are provided with adequate shielding for the protection of firefighters;</li> <li>○ All exposed water pipes external to the building are metal, including any fittings;</li> <li>○ Where pumps are provided, they are minimum 5hp or 3kW petrol-or diesel-powered pump, and are shielded against bush fire attack; any hose and reel for firefighting connected to the pump shall be 19mm internal diameter; and</li> <li>○ Fire hose reels are constructed in accordance with AS/ANZ 1221:1997 and installed in accordance with relevant clauses of 2441:2005.</li> </ul> </li> </ul> |
| <b>FLOODING AND STORMWATER</b> | To ensure no interaction between overland flows and the operational areas, a bund has been included around the site to ensure upslope events up to 0.5% AEP do not enter the site. As additional protection, shed pads have been designed with minimum RL of 139.40m AHD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>GROUNDWATER</b>             | Dangerous Goods and Chemical Storage: <ul style="list-style-type: none"> <li>● All chemicals will be stored as per best practice. Either bunded storage as constructed bunded containment or bunded pallets under shelter for chemicals to be stored on.</li> <li>● All chemicals will be stored out of the weather to prevent ingress of rain and potential overflow from bunding. Bunding will comply with the relevant standard for the Dangerous Goods or Hazardous classification of the chemical.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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|                   | <ul style="list-style-type: none"> <li>• Chemical storage is checked every 3 months as a part of Site environmental inspections. SDS are located online for access.</li> <li>• Appropriate spill kits are held on site. Any spills are documented in Beakon (proprietary contractor management software).</li> </ul> <p>Truck wash and recycled water tank septic tank assembly:</p> <ul style="list-style-type: none"> <li>• These are closed loop systems which will be managed in accordance with the manufacturers requirements.</li> </ul> <p>Piggery Housing:</p> <ul style="list-style-type: none"> <li>– Sheds are weatherproof to exclude rainwater.</li> <li>• Effluent is to be collected in pits under the floors and intermittently flushed with fresh water (extracted groundwater) as required into the effluent treatment system.</li> <li>• Effluent will not be recycled for shed cleaning.</li> </ul> <p>Effluent Ponds:</p> <ul style="list-style-type: none"> <li>• Effluent ponds are to be designed to standard construction practices (APL, 2025) and associated management (monitoring and maintenance) practices:</li> <li>• The walls and floor of all effluent ponds will be lined to achieve a maximum permeability of 0.1 mm per day or approximately <math>1 \times 10^{-9}</math> m/s.</li> <li>• Effluent pond bases need to be at least 2 m above the highest seasonal water table, noting depth to groundwater is inferred to be between 15 to 124 mbgl.</li> <li>• Overtopping (spill) frequency should not exceed 1 in 10 years.</li> <li>• Freeboard is to be maintained to at least 500 mm.</li> <li>• Covered anaerobic lagoon with 1 m of freeboard and two-year sludge capacity. Two sludge storage/treatment ponds with capacity to hold four years of solids.</li> <li>• Pond management is to be undertaken in accordance with design and management requirements.</li> <li>• Buffer distances are to be maintained in accordance with APL (2025) and NSW Environmental Guidelines: Use of Effluent by Irrigation (Department of Environment and Conservation [DEC], 2004).</li> </ul> <p>Biosolids Storage Pads, Composting Pads and Carcass Management:</p> <ul style="list-style-type: none"> <li>• Compost pads are designed with leachate retention ponds to capture all runoff from the compost pads and direct to the designated leachate collection dam.</li> <li>• Any runoff that is generated is controlled by boundary berms/bunding and will flow to the designated leachate collection dam.</li> <li>• A stormwater management system, including a bund to mitigate overland flow and shed pads above 1% AEP flood level, has been designed to capture all runoff within a series of pits, pipes, and swales, which direct flows to a proposed 20 ML stormwater basin.</li> <li>• No regular proposed surface water discharges off-site.</li> </ul> <p>Treated Effluent and Reuse Area:</p> <ul style="list-style-type: none"> <li>• The daily water balance for soil in the treated effluent irrigation area is to be used to trigger treated effluent irrigation when soil moisture deficit reaches a nominated value.</li> </ul> |

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|                   | <ul style="list-style-type: none"> <li>• Treated effluent monitoring will be conducted to ensure irrigation only occurs in accordance with NEGIP (APL, 2025), with treated effluent irrigation rates determined by treated effluent data analysis, expected crop nutrient removal rates and soil data.</li> <li>• Soils in treated effluent irrigation area (per agronomic management unit) will be tested annually to identify nutrient deficiencies, excesses or imbalances, salinity, influences on soil stability and erosion potential and soil structure.</li> <li>• Treated effluent irrigation practices have been designed to protect surface water and groundwater quality (LEAP, 2026). These include: <ul style="list-style-type: none"> <li>○ selecting soil that is suitable for cropping (arable land, low slope, no major impediments to crop production) for reuse providing suitable buffers between reuse areas and watercourses.</li> <li>○ using practices that minimise soil erosion e.g. zero tillage.</li> <li>○ monitoring effluent and soil nutrient levels and adjusting reuse rates to ensure soil nutrient levels do not exceed good agronomic levels.</li> </ul> </li> <li>• Effluent Management will be undertaken in accordance with Piggery Manure and Effluent Management and Reuse Guidelines (APL, 2015), the industry standard operational reference, ensuring best practice is considered and implemented, inclusive of monitoring, compliance and maintenance to ensure potential risks to groundwater receptors are mitigated and managed.</li> <li>• A dedicated maintenance, monitoring, and management program will be adopted to ensure the integrity of the infrastructure is maintained and the distribution of the effluent through the system results in beneficial reuse.</li> <li>• The presence of clay rich soils, low permeability sub-surface horizons will aid the attenuation of any spills or leaks of effluent or other contaminants within the Facility.</li> <li>• The depth to groundwater beneath the Site is expected to range from 15 to 24 mbgl within the Shepparton Formation.</li> <li>• The vertical profile of the Shepparton formation consists of alternating clays and sands. The most permeable zones have been identified at around 60m at the Site. There is also a shallower water bearing zone around 30 m. Approximately 30 m of clay separates the ‘shallow’ Shepparton Formation aquifer from the ‘deeper’ Shepparton Formation aquifer, providing a significant impediment to downward vertical groundwater flow between the two water bearing zones.</li> <li>• The depth to the water, duplex (texture contrast) soils, and lower permeability silts and clays of the underlying alluvial lithology, above the water (Upper Murray) bearing units, contribute to a low expectation of interaction between irrigated water and groundwater and, ultimately, surface water at the treated effluent irrigation site.</li> <li>• The deep water table (15 to 24 mbgl), the duplex (texture contrast) soils, and lower permeability silts and clays of the underlying alluvial lithology above the water bearing units, supports a minor potential of vertical migration of irrigated treated effluent to groundwater in the ‘shallow’ Shepparton Formation aquifer.</li> </ul> |

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|                      | <ul style="list-style-type: none"> <li>• A groundwater monitoring will be implemented to establish baseline groundwater quality, develop site specific operation WQOs, confirm risk to groundwater is minor or to reevaluate application rates.</li> <li>• Ponding of effluent during irrigation is avoided.</li> <li>• Effluent is irrigated off-site over a large area at low volumes.</li> <li>• Water balance (LEAP, 2026) indicates there is sufficient hectarage capacity for irrigation available off-site to minimise nutrient loading.</li> <li>• Buffer distances are to be maintained in accordance with APL (2025) and NSW Environmental Guidelines: Use of Effluent by Irrigation (DEC, 2004) as far as practicable.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>VISUAL IMPACT</b> | <p>The following key mitigation measures are proposed to minimise visual impact of the farm on the surrounding landscape:</p> <ul style="list-style-type: none"> <li>• Establish, screening vegetation along the One Tree Lane frontage of the farm as shown on the Concept Landscape Plans included as <b>Appendix O</b>.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AIR QUALITY</b>   | <p>The following mitigation measures will be implemented during construction and operation:</p> <p><b>Construction:</b></p> <ul style="list-style-type: none"> <li>• Minimising disturbed areas;</li> <li>• Treating any long-term stockpiles to minimise dust emissions;</li> <li>• Road management:</li> <li>• treatment of the external road surface used by heavy vehicles to stabilise the roads; and/or</li> <li>• watering of the roads and/or open areas to reduce dust emissions as required;</li> <li>• Limiting vehicle speeds during conditions where dust emissions have the potential to be higher than normal due to dry or windy conditions;</li> <li>• Revegetating disturbed areas around the site which are not required for vehicle traffic or operations.</li> </ul> <p><b>Operational Phase:</b></p> <ul style="list-style-type: none"> <li>• <b>Sheds</b> - clean, hygienic conditions are vital in minimising shed emissions. The site will:             <ul style="list-style-type: none"> <li>○ minimise feed wastage by automatically feeding using well-designed feeders;</li> <li>○ clean flooring and other dirty or dusty surfaces frequently and;</li> <li>○ provide good shed ventilation and running the exhaust fans at a speed that produces adequate mixing;</li> <li>○ If produced in the sheds, collect mortalities, afterbirth and foreign materials before they enter flushing channels or pits; and</li> </ul> </li> </ul> |

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|                   | <ul style="list-style-type: none"> <li>○ the effluent systems will be, where possible, flushed on different days or different times off the day to promote even flow of effluent to the treatment ponds.</li> <li>● <b>Channels, drains and pipes</b> – Wet manure in channels, drains and pipes is an odour source. Channels, drains and pipes will:             <ul style="list-style-type: none"> <li>○ be cleaned with a sufficient water volume to remove all solids; and</li> <li>○ be inspected daily with any remaining solids promptly removed.</li> </ul> </li> <li>● <b>Effluent ponds – the site will:</b> <ul style="list-style-type: none"> <li>○ manage the CAL so that it operates as expected and does not leak;</li> <li>○ ensure a consistent effluent flow to the ponds through regular management of effluent entering them;</li> <li>○ ensure adequate active treatment volume is maintained. For the secondary ponds, the pond outlet will be well separated from the inlets so that all active volume is utilised;</li> <li>○ desludge ponds when solids start to impinge on the active volume.</li> </ul> </li> <li>● <b>Mortalities composting area:</b> <ul style="list-style-type: none"> <li>○ mortalities are removed from sheds within 24 hours of discovery;</li> <li>○ a robust composting process should be used:</li> <li>○ composting mortalities are continually kept surrounded by at least 300 mm of bulky, high carbon material like sawdust. This is necessary for the composting process, but also acts as a biofilter to minimise odour;</li> <li>○ extraneous stormwater is excluded from composting areas;</li> <li>○ promote good drainage so water doesn't pool around composting material.</li> <li>○ avoid turning or handling very dry compost, particularly under windy conditions. The dust produced can transport odour.</li> </ul> </li> <li>● <b>Re-use</b> - Reuse of effluent and manure offers many benefits to farming systems. Reuse can be performed in a way to have a minimal odour risk. This is consistent with the NEGIP. To prevent it from creating a nuisance:             <ul style="list-style-type: none"> <li>○ schedule reuse to occur at times when odour is less likely to cause nuisance</li> <li>○ avoid effluent irrigation onto wet soil, as it may stay on the surface where it remains an odour source;</li> <li>○ low pressure spray irrigation will be used to minimise aerosol formation;</li> </ul> </li> </ul> |

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|                                    | <ul style="list-style-type: none"> <li>○ effluent, manure and compost will be dropped close to ground level ;</li> <li>○ moist solids will be spread under warm conditions in thin layers to encourage drying;</li> <li>○ very dry solids will not be spread under windy conditions; and</li> <li>○ manure and compost will be promptly incorporated into the soil.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>NOISE AND VIBRATION IMPACTS</b> | <p>The following mitigation measures will be implemented during construction and operation:</p> <ul style="list-style-type: none"> <li>• <b>Construction:</b> <ul style="list-style-type: none"> <li>○ The construction contractor must analyse proposed noise control strategies in consultation with the Acoustic Consultant as part of project pre-planning. This will identify potential noise problems and eliminate them in the planning phase prior to site works commencing.</li> <li>○ Occupants of adjacent properties are to be notified of the intended construction timetable and kept up to date as work progresses, particularly as work changes from one set of machines and processes to another. In particular, occupants are to understand how long they will be exposed to each source of noise and be given the opportunity to inspect plans of the completed development.</li> <li>○ Programming noisy activities (such as earthworks) outside critical times is to be considered.</li> <li>○ We recommend that construction noise management strategies are to be implemented to ensure disruption to the occupants of nearby buildings is kept to a minimum. Noise control strategies include co-ordination between the construction team and residents to ensure the timetable for noisy activities does not coincide with sensitive activities.</li> <li>○ The site manager/environmental officer and construction contractor are to take responsibility and be available to consult with community representatives, perhaps only during working hours. Response to complaints or comments are to be made in a timely manner and action reported to the concerned party.</li> <li>○ All staff and employees directly involved with the construction project are to receive informal training with regard to noise control procedures. Additional ongoing on the job environmental training is to be incorporated with the introduction of any new process or procedure. This training will flow down contractually to all sub-contractors.</li> </ul> </li> <li>• <b>Operations:</b> <ul style="list-style-type: none"> <li>○ All access roads should be kept in good condition, i.e. no potholes, etc.</li> <li>○ Trucks and other machines should not be left idling for extended periods unnecessarily. Machines found to produce excessive noise compared to industry best practice should be</li> </ul> </li> </ul> |



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|                                      | <p>removed from the site or stood down until repairs or modifications can be made.</p> <ul style="list-style-type: none"> <li>○ A regular maintenance schedule should be adopted for all mobile and fixed plant items. Items found producing high noise should be stood down until repairs are completed.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>TRAFFIC IMPACT ASSESSMENT</b>     | <p><b>Construction Traffic Management</b></p> <p>Construction traffic during peak periods is recommended to be managed through the preparation and implementation of a site-specific Construction Traffic Management Plan (CTMP). The CTMP should detail how vehicle movements in and out of the site during construction will be appropriately managed to avoid adverse impacts on the safe operation and efficiency of the surrounding road network, including the management of vehicular and pedestrian movements.</p> <p>Heavy vehicle movements and construction deliveries should, where practicable, be coordinated outside commuter peak periods to reduce congestion and maintain network performance. The CTMP should also address mitigation measures such as on-site vehicle marshalling, temporary traffic control arrangements, management of construction access points and scheduling of high-impact activities, such as concrete pours. Where Traffic Control Plans (TCPs) are required due to the complexity of the works, these should be prepared by a suitably qualified person with the applicable certification from Roads and Maritime Services (RMS), in accordance with AS1742.3-2009 and the current RMS version of the Traffic Control at Worksites manual.</p> <p><b>Operational Traffic</b></p> <p>The following key mitigation measure are drawn from the Traffic Impact Assessment to ensure that the proposed development will operate as forecast and will not result in any unacceptable traffic impacts within the surrounding road network:</p> <ul style="list-style-type: none"> <li>• Upgrade the Riverina Highway / One Tree Lane Intersection to include a Basic Right (BAR) and Basic Left (BAL) turn treatment in accordance with <i>Austroads Guide to Road Design Part 4: Intersections and Crossings</i>.</li> <li>• Construct the site from One Tree Lane with a BAL treatment in accordance with <i>Austroads Guide to Road Design Part 4: Intersections and Crossings</i>.</li> <li>• Upgrade One Tree Lane from the site access to the intersection with the Riverina Highway to include to accommodate a 6.0m Carriage Way and 1.0m shoulders in accordance with Federation’s Council’s <i>Engineering Guidelines for Subdivision and Development Standards Part 2 – Design Of Roads – Table 6 Rural / Rural Residential Roads</i></li> </ul> |
| <b>PRELIMINARY HAZARD ASSESSMENT</b> | <p>The Dangerous Goods requirements of the <i>NSW Work Health and Safety Regulation 2017</i> shall be complied with (i.e., preparation of risk assessments for storage and handling of minor quantities of hazardous materials, etc.)</p> <p>An audit of the dangerous goods storage design to be undertaken for compliance with relevant Codes and Standards, prior to construction of the DG storage are, e.g. Separation distance between Class 3 and 8.</p> <p><b>The following safeguards shall be implemented for the development:</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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| IDENTIFIED IMPACT                   | MITIGATION MEASURES AND MANAGEMENT MEASURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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|                                     | <ul style="list-style-type: none"> <li>• Provision of adequate personal protective equipment (PPE) for the handling of DG, e.g. chemical gloves, eye protection.</li> <li>• Provide adequate First Aid Kit.</li> <li>• Provide adequate fire protection system as per the requirement of AS and BCA, etc.</li> <li>• Provide designated smoking area.</li> <li>• Operator should be trained and competent.</li> <li>• Fire protection system and essential safety measures (ESM) shall be routinely tested as per the relevant Australian Standard, e.g., AS1851:2012.</li> <li>• An Emergency Response Plan (ERP) and Emergency Services Information Package (ESIP) shall be prepared in accordance with HIPAP No.1.</li> <li>• To mitigate the potential for dust accumulation, all dust generating areas shall undergo regular housekeeping practices as per the Hazardous Area Classification (Dust) Assessment.</li> <li>• Implement regular housekeeping practices for the prevention and build-up of dust as per the Hazardous Area Classification (Dust) Assessment.</li> <li>• Establish and maintain hazardous areas classification (dust) as per Hazardous Area Classification (Dust) Assessment.</li> <li>• Equip the facility with dust sealed machinery to contain hazardous dust clouds.</li> <li>• Install suitable dust extraction systems as the identified dust release points.</li> </ul> |
| <b>ENVIRONMENTAL MANAGEMENT</b>     | Prior to issue of an Occupation Certificate, update and implement the Environment Operations Management Plan for the site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>BIOSECURITY</b>                  | <p>The following procedures are to be followed:</p> <ul style="list-style-type: none"> <li>• <i>Notify the JBS vet.</i></li> <li>• <i>Undertake directions bas on their diagnosis.</i></li> <li>• <i>If an exotic disease is suspected contact District Veterinary Officer of DNRE or call the Exotic Diseases Hotline. Any procedures will be then at their discretion.</i></li> <li>• <i>Refer to the contingency section of the EMP for management of stock if a disease outbreak occurs.</i></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>HUMAN HEALTH RISK ASSESSMENT</b> | <ul style="list-style-type: none"> <li>• water quality               <ul style="list-style-type: none"> <li>○ cropping practices in the effluent/sludge reuse areas should be selected to maximise nutrient removal from the soil and minimise the potential for accumulation of excess nutrients</li> <li>○ revise the draft EMP to include details relating to the capacity of the effluent storage pond and management of water levels to prevent overflows</li> <li>○ routine inspections of the effluent pond structure to ensure there is a low likelihood of overflows due to structural failures</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## APPENDIX X – MITIGATION MEASURES

| IDENTIFIED IMPACT        | MITIGATION MEASURES AND MANAGEMENT MEASURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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|                          | <ul style="list-style-type: none"> <li>• air quality               <ul style="list-style-type: none"> <li>○ revise the draft EMP to include a process to report and investigate odour complaints if they are received ammonia and dust monitoring in the sheds (including target or trigger concentrations)</li> </ul> </li> <li>• noise               <ul style="list-style-type: none"> <li>○ revise the draft EMP to include a process to report and investigate noise complaints if they are received</li> </ul> </li> <li>• zoonotic disease transmission               <ul style="list-style-type: none"> <li>○ revise the draft EMP to include site-specific vector control measures, which may include:                   <ul style="list-style-type: none"> <li>▪ use of chemicals</li> <li>▪ non-chemical preventative measures (e.g. removal of stagnant water, mosquito screens in sheds, fans in sheds and consideration of other measures listed in Section 8.3.1).</li> </ul> </li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| SOCIAL IMPACT ASSESSMENT | <ul style="list-style-type: none"> <li>• <b>Incorporate recommendations from independent technical assessments to refine project design and implementation</b> <ul style="list-style-type: none"> <li>○ Continuously review and adapt appropriate design and management measures to address evolving risks within the surrounding landscape.</li> </ul> </li> <li>• <b>Implement benefit sharing commitments</b> <ul style="list-style-type: none"> <li>○ Engage the community regularly for feedback and co-design implementation approaches to ensure benefits are fit for purpose and distributed fairly in the Federation Council community.</li> <li>○ Where relevant, support and align activities with local council economic development plans.</li> </ul> </li> <li>• <b>Ongoing prioritisation of local business and supply chain</b> <ul style="list-style-type: none"> <li>○ Ongoing prioritisation of procurement and hiring locally (within a 60-minute drive of the site) to eliminate pressure on local accommodation and housing requirements. Where practicable, focus on individuals with relevant skillsets or straightforward upskilling needs who already live in the area. JBS already have an established Local Procurement Plan and targets for local procurement.</li> <li>○ Coordinate with other applicants (as presented in Chapter 7), as the Project construction stage requirements timelines may overlap. Engage early with the proposed contractors for engineering, procurement and construction to plan across projects to enhance local employment.</li> <li>○ Provide worker transport via shuttle buses to reduce local road traffic on One Tree Lane and improve road safety. Implement</li> </ul> </li> </ul> |

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| IDENTIFIED IMPACT | MITIGATION MEASURES AND MANAGEMENT MEASURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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|                   | <p>designated parking areas to minimise traffic volumes and associated impacts on neighbours.</p> <ul style="list-style-type: none"> <li>• <b>Continue consultation with key stakeholder groups throughout the life of the Project</b> <ul style="list-style-type: none"> <li>○ Conduct inclusive community engagement and support initiatives to build social license in Corowa and the social locality and support cohesion between the existing and new populations, particularly during the construction stage.</li> <li>○ Offer regular consultation and feedback opportunities, including by supporting local suppliers and businesses in procurement for the construction and operation stages.</li> <li>○ Continue consultation with Project neighbours, including about Project impacts like landscape character and visual amenity, to ensure any impacts are managed in accordance with regulatory and community expectations.</li> <li>○ Continue engagement with Bangarang Aboriginal Corporation and other First Nations representatives to ensure positive benefits of the Project are realised and concerns are heard and responded to appropriately.</li> <li>○ Continue to collaborate with local authorities and service providers to plan for infrastructure and service upgrades in Corowa and beyond to meet increased demand.</li> <li>○ Noting the relatively short construction stage, and that the Applicant is one of many businesses in the area, consider advocating for and/or investing in upgrades to health, education, childcare, and transport infrastructure, for example, by making contributions to road maintenance and upgrades where required.</li> <li>○ Facilitate partnerships with local service providers and suppliers to help reduce negative impacts of population increase during the construction stage. Consider timing of major regional events, including agricultural production cycles and tourist flows (peaks/troughs) in construction and operation stage planning.</li> </ul> </li> <li>• <b>Regularly review strategy and implementation of the Stakeholder Engagement Plan, including complaints mechanisms, throughout the life of the Project</b> <ul style="list-style-type: none"> <li>○ JBS already have an established stakeholder engagement program, including complaints management mechanisms, as part of BAU operations in Federation Council area, so increasing JBS presence in the community should continue to be a priority.</li> <li>○ Ensure the complaints management process is well known to neighbours and the community to reduce potential negative impacts on community cohesion and mental well-being.</li> <li>○ Distribute updates to counter misinformation or confusion via mixed communication channels to stakeholder groups, as</li> </ul> </li> </ul> |

## APPENDIX X – MITIGATION MEASURES

| IDENTIFIED IMPACT | MITIGATION MEASURES AND MANAGEMENT MEASURES                                                  |
|-------------------|----------------------------------------------------------------------------------------------|
|                   | required, related to topics like land values, insurance, electricity reliability and prices. |