IDENTIFIED IMPACT	MITIGATION MEASURES AND MANAGEMENT MEASURES
TRAFFIC	• Staff and processing plant traffic are to be directed to use the proposed driveway connecting to Workshop Lane. • Direct access to the Oxley Highway is to be maintained for visitors to the site and emergency access only. • 820 car parking spaces are to be provided on site with a minimum of 8 spaces be designated for people with a disability. • Car park design and line-marking is to be undertaken in accordance the Australian Standard 2890.1 (2004). • Due to the length of aisles, speed humps be provided in in accordance with AS2890.1 to provide positive speed control. • Detailed design of the car park to incorporate minor amendments to the internal road widths are recommended to allow the heavy vehicles to pass each other when turning at all intersections.
AIR QUALITY	• Implement the Odour Management Plan and update the OMP on an as needs basis. **Child Care Centre** • Adaption of a hybrid high-efficiency particulate air and carbon filter system to protect the indoor airspace environment of the childcare activities during atypical or upset conditions. During normal operating conditions, odour impact risks are very unlikely under the odour management protocol adopted for the PPF operations; and • Vegetative landscaping for the outdoor areas to provide a level of screening, attenuation and visual disconnection from the PPF operations.
NOISE	**Noise Mound/Barrier Adjacent to Live Bird Area and Cooling Towers** • An acoustic mound or barrier 2700mm above FGL is to be erected along the west side of the Live Bird Module/Shelter areas. • An acoustic mound or barrier 2100mm above FGL is to be erected along the north side of the cooling towers and associated plant. **General Noise Control Recommendations** • All access roads should be kept in good condition, i.e. no potholes, etc. • 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 removed from the site or stood down until repairs or modifications can be made. • 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. • A noise monitoring program, during commissioning, or in the early life of the site is recommended. This program will verify our predictions and in the unlikely event that complaints may arise, enable noise control strategies to be implemented, where required. **Site Child Care Centre** • An acoustic fence 1800mm above FGL is to be erected at the perimeter of the child care centre outdoor area. • Windows to the Cot Rooms must be upgraded to achieve an acoustic rating of Rw32. This can typically be achieved with the use of laminated glass and Q-Lon seals at sliders.

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	• Consideration should be given to installing ceiling fans to supplement air conditioning. **Noise Monitoring Program** • Noise monitoring should be carried out at the commencement of each process/activity that has the potential to produce excessive noise. **Acoustic Barriers/Screening** • Place acoustic enclosures or screens directly adjacent to stationary noise sources such as compressors, generators, drill rigs, etc. **Consultation/Complaints Handling Procedures** • The construction contractor should analyse proposed noise control strategies in consultation with the Acoustic Consultant as part of project pre-planning. **Equipment Selection** • All combustion engine plant, such as generators, compressors and welders, should be carefully checked to ensure they produce minimal noise, with particular attention to residential grade exhaust silencers and shielding around motors, where necessary. **Risk Assessment** • A risk assessment should be undertaken for all noisy activities and at the change of each process.
ECOLOGICAL	Should any works need to be conducted within the Peel River Tributary, in order to minimise any impact to amphibians, works are to be: • Undertaken during the winter months when movement of amphibian species is not occurring; or • Undertaken during periods of no ephemeral pooling of water in the tributary; or • Undertaken after a pre-clearance inspection by a qualified ecologist determines no amphibian presence at that time. **Preclearance Surveys:** In order to avoid impacts to fauna species during construction, pre-clearance surveys will be conducted in all areas that are required to be cleared. • Pre-clearing surveys will be undertaken ahead of clearing, to limit fauna injury and mortality and to identify habitat features to be relocated. Pre-clearance surveys will be conducted by suitably qualified ecologists and all fauna found during these surveys will be encouraged to move on or relocated by the ecologists in areas of similar habitat nearby that will not be impacted. **Delineation of Clearing Areas:** • Areas that require clearance will be flagged and clearly delineated by temporary fencing to ensure that no areas intended for conservation will be inadvertently cleared during the construction process. **Weed Management:** • Undertake, appropriate weed control activities in accordance with all state, regional and local weed management plans. **Pre-clearance Surveys (Structures):** • In order to mitigate or avoid impacts to fauna species, (In particular the Eastern Bentwing-bat) during demolition of structures, pre-clearance

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	checks will be conducted of all human made structures proposed to be demolished prior to construction. • Pre-clearance surveys will be conducted by suitably qualified ecologists and all fauna found during these surveys will be encouraged to move on or relocated by the ecologists in areas of similar habitat nearby that will not be impacted. **Native vegetation:** • Provide an offset of a total of 5 ecosystem credits for PCT 599 for the Remnant Vegetation • The screening buffer is to be replaced with a new planted buffer also using vegetation species commensurate with PCT 599.
CULTURAL HERITAGE	**Aboriginal Objects Find Procedure:** If suspected Aboriginal material has been uncovered as a result of development activities within the Project Area: • work in the surrounding area is to stop immediately; • a temporary fence is to be erected around the site, with a buffer zone of at least 10 meters around the known edge of the site; • an appropriately qualified archaeological consultant is to be engaged to identify the material; and • If the material is found to be of Aboriginal origin, the Aboriginal community is to be consulted in a manner as outlined in the OEH guidelines: *Aboriginal Cultural Heritage Consultation Requirements for Proponents (2010).* **Aboriginal Human Remains:** In the unlikely event that Remains are found, all works should halt. Once the site is cordoned off the nearest police station should be contacted in conjunction with the Tamworth LALC and the OEH Regional Office. If no investigation is sought and the remains are of Aboriginal origin then the Aboriginal community and OEH should be consulted as to how the remains are to be dealt with. Work may resume once all parties are in agreement. **Notifying the OEH:** If Aboriginal cultural materials are uncovered as a result of development activities within the Project Area, they are to be registered as Sites on the AHIMS, managed by the OEH.
STORMWATER	• Provide all stormwater management treatment actions in accordance with the project Stormwater Management Plan prepared by MPN consulting engineers. • During prior to commencement of constriction, prepare and implement a detailed Erosion and Sediment Control Plan to ensure compliance with the *Protection of the Environment Operations Act 1997.*
WASTE	• Prepare and implement a Site Based Waste Management Plan consistent with Baiada's Australian Packaging Covenant Action Plan.
CHEMICAL USE	• Chemical handling and storage procedures will be undertaken in accordance with the Applicable Material Safety Data Sheets (MSDS) and all relevant Australian Standards.
CONSTRUCTION MANAGEMENT	The Construction Management Plan could address potential social impacts, including reducing stress and inconvenience to neighbouring businesses and residents, by • Identifying construction vehicle traffic routes that minimise impacts to neighbours, as far as possible;

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	• Providing arrangements for parking of worker and construction vehicles on-site • Storing all equipment on site; • Identifying management practices to minimise and manage interruptions to traffic flows; • Establishing practices to maintain traffic and pedestrian safety to local residents; • Minimising disruption proposed road closures, temporary traffic routes, loss of pedestrian or cyclist access or reversing manoeuvres; • Providing queueing space onsite for the standing of vehicles; • Providing clear signage to direct construction vehicles; and • Provide signage on site that provides a contact number for residents to direct enquiries and report incidents (e.g. theft or break and enter to the site while unattended), should they occur
ENVIRONMENTAL MANAGEMENT	• Prepare an implemented a detailed Environmental Management System for the Oakburn Processing Plant for certification in accordance with the AS/NZS/ISO 14001: 2015 Standard.