

SEP Scope	
This SEP Table covers the pulp mill site (including the access road) and includes key environmental management measures relevant to this activity as described in the project Construction Environmental Management Plan (CEMP).	
Compliance with the requirements of this SEP will be inspected and audited in accordance with the Gunns Pulp Mill CEMP audit procedures and checklists.	
Environmental Hazards & Potential Impacts	
<p>Unauthorised vegetation clearing could disturb threatened flora and fauna.</p> <p>Construction stormwater runoff could cause soil erosion and impact adversely on the Protected Environmental Values (PEVs) of local streams and the Tamar Estuary.</p> <p>Excavation work could disturb sites of aboriginal or historic cultural heritage value.</p> <p>Wildlife could become trapped in excavation trenches.</p> <p>Construction noise, vibration and dust emissions have the potential to create an environmental nuisance</p>	
Relevant CEMP Operational Controls	
Erosion and Sediment Control	BBA-OCO-1000-1400-0001
Soil and Water Management	BBA-OCO-1000-1400-0002
Contaminated Soil Management	BBA-OCO-1000-1400-0003
Acid Sulphate Soil Management	BBA-OCO-1000-1400-0004
Site Preparation and Rehabilitation	BBA-OCO-1000-1400-0005
Fire Management	BBA-OCO-1000-1400-0006
Storage and Use of Hazardous Materials	BBA-OCO-1000-1400-0007
Air Quality Management	BBA-OCO-1000-1400-0008
Trenching and Pipeline Installation	BBA-OCO-1000-1400-0009
Noise and Vibration Control	BBA-OCO-1000-1400-0010
Flora and Fauna Management	BBA-OCO-1000-1400-0011
Weed and Pathogen Management	BBA-OCO-1000-1400-0012
Cultural Heritage Management	BBA-OCO-1000-1400-0013
Waste Management	BBA-OCO-1000-1400-0014
Light Escape Control	BBA-OCO-1000-1400-0015
Spill Management	BBA-OCO-1000-1400-0016
Erosion and Sediment Control & Soil and Water Management	
<p>EP/OC Ref: 01 Erosion and Sediment Control (BBA-ENP/OCO-1000-1400-0001) and 02 Soil and Water Management (BBA-ENP/OCO-1000-1400-0002)</p> <p>Performance Criteria: Ensure that the Protected Environmental Values of streams surrounding the construction site and the Tamar Estuary are not compromised by construction works. Maintain the integrity, flow characteristics and amenity of streams temporarily disturbed during construction</p>	
Key Management Measures	Responsibility
A geotechnical risk assessment by SFM (2007) found the risk of property damage due to land instability on the pulp mill site to be very low. No special measures are required.	Superintendent
The construction footprint will be flagged prior to work commencing. Construction must remain within flagged areas	Superintendent
Stormwater runoff from areas disturbed by construction must be diverted to a stormwater detention pond where practicable.	Superintendent
Detention ponds are to be maintained for the duration of construction in accordance with the following: Pond discharge must be via a stable spillway Dam walls must be of stable construction Ponds must be cleaned out to maintain capacity Sediment removed from ponds must be deposited to ensure it is not carried off site by surface water runoff	Superintendent
Alternative stormwater controls may be installed where it is not practicable to direct the water to a detention pond. Such controls could include silt fencing, straw bales, cut off drains and earth and vegetation erosion control barriers	Superintendent
Contaminated Soil and Acid Sulphate Soil Management	
<p>EP/OC Ref: 03 Contaminated Soil Management (BBA-ENP/OCO-1000-1400-0003) and 04 Acid Sulphate Soil Management (BBA-ENP/OCO-1000-1400-0004)</p> <p>Performance Criteria: Avoid risk to human health and ecosystems from exposure to contaminated soil. Avoid risk to ecosystems from exposure to Acid Sulphate Soil (ASS)</p>	
Key Management Measures	Responsibility
Although there are no known contaminated sites within the pulp mill construction footprint, suspected contamination should be reported immediately. Signs of contamination include discoloured or odorous soils, underground fuel tanks, pipelines or drums. The SEO will assess suspected contaminated sites and, if confirmed, implement the procedures in BBA-ENP-1000-1400-0003 Flow Chart 1	Superintendent
A survey of the pulp mill site (SFM 2007) found no evidence of acid sulphate soils (ASS) or potential acid sulphate soils (PASS). Elevation and geology indicate a very low risk of ASS across the construction footprint. No special management measures are required	Superintendent
Site Preparation and Rehabilitation	
<p>EP/OC Ref: 05 Site Preparation and Rehabilitation (BBA-ENP/OCO-1000-1400-0005)</p> <p>Performance Criteria: In areas identified to be rehabilitated, undertake rehabilitation practices to a condition at least equivalent to pre-construction, appropriate for the future land use</p>	
Key Management Measures	Responsibility
In areas to be rehabilitated undertake rehabilitation procedures as per CEMP Operational Control document BBA-OCO-1000-1400-0005.	Superintendent
Fire Management	
<p>EP/OC Ref: 06 Fire Management (BBA-ENP/OCO-1000-1400-0006)</p> <p>Performance Criteria: Unplanned fires contained before significant impact on biodiversity values or assets</p>	
Key Management Measures	Responsibility
For vegetation clearing activities, implement weather monitoring and shut down procedures as per Attachment 1 of BBA-OCO-1000-1400-0006.	Superintendent
Fire Management Procedures will be implemented and a fire response kit will be available on site during construction as per Attachment 2 of BBA-OCO-1000-1400-0006.	Superintendent

Hazardous Materials, Fuels and Lubricants	
<p>EP/OC Ref: 07 Storage and Use of Hazardous Materials (BBA-ENP/OCO-1000-1400-0007)</p> <p>Performance Criteria: Minimise chemical and fuel storage on-site. Ensure any hazardous materials and dangerous goods are properly stored and managed. No discharge of hazardous materials or dangerous goods to waterways or soil. Implement a contingency plan to handle spills to minimise the risk of environmental harm. Manage all hazardous waste consistent with Government regulations and guidelines</p>	
Key Management Measures	Responsibility
All hazardous substances and dangerous goods are to be classified and clearly labelled prior to use	Superintendent
A current MSDS register shall be maintained on site	Superintendent
Handling and usage of hazardous/dangerous substances shall be in accordance with the recommended requirements of each specific MSDS and Job Safety Environment Analysis (JSEA).	Superintendent
Fuel and lubricant drums shall be stored within a bunded area	Superintendent
Refuelling is not to take place in any location where spillage may contaminate surrounding waterways or topsoil stockpiles.	Superintendent
Spill kits must be available and operators are to be trained in their use	SEO/Superintendent
Plant shall be serviced and inspected regularly for oil and fuel leaks. Any leaks detected shall be rectified as soon as possible.	Superintendent
Spills shall be contained (and cleaned up) onsite by the use of earth bunds, spill kits or other suitable means.	Superintendent
If a chemical or oil spill occurs in an on site stream or the Tamar Estuary, inform the SEO immediately.	SEO
Air Quality Management	
<p>EP/OC Ref: 08 Air Quality Management (BBA-ENP/OCO-1000-1400-0008)</p> <p>Performance Criteria: Construction activities must be managed to maintain regulatory air quality standards and minimise the risk of nuisance dust. Visible smoke from construction plant shall not persist for longer than 15 second (for off road plant) and 10 seconds (for plant registered for use on public roads), other than at start-up. No construction dust-related complaints from nearby communities</p>	
Key Management Measures	Responsibility
Cover loads where required when leaving construction site.	Superintendent
Water access roads, earthwork areas and spoil heaps as necessary to suppress dust.	Superintendent
Modify construction activities during windy conditions if dust is a likely to cause environmental nuisance	Superintendent
Limit speeds on access roads to reduce dust generation.	Superintendent
Noise and Vibration Control	
<p>EP/OC Ref: 10 Noise and Vibration Control (BBA-ENP/OCO-1000-1400-0010)</p> <p>Performance Criteria: Compliance with the noise thresholds as defined by the permit regulations Minimise community noise and vibration complaints during construction</p>	
Key Management Measures	Responsibility
All construction plant & equipment shall be maintained and serviced according to manufacturer's requirements.	Superintendent
Internal combustion engines shall be fitted with a serviceable muffler. Noise suppression devices on construction plant shall be maintained to the manufacturer's specifications.	Superintendent
Noise and vibration complaints to be investigated within 24 hours of complaint receipt.	SEO
Blasting shall occur no more than two times per day	Superintendent
Flora and Fauna Management	
<p>EP/OC Ref: 11 Flora and Fauna Management (BBA-ENP/OCO-1000-1400-0011)</p> <p>Performance Criteria: No construction disturbance outside the approved construction footprint. Rapid detection, capture and release of animals trapped in site excavations</p>	
Key Management Measures	Responsibility
The construction footprint must be clearly flagged in the field and project staff and contractors briefed during induction on the importance of staying within the construction boundary	SEO
Any large bird nest sites noted during clearing or construction activities to be immediately reported to the SEO	Superintendent
Stockpiles of soil and vegetation should be located in designated areas away from retained native vegetation	Superintendent
Native animals trapped within trenches or other excavations should be managed as per Table 1 of BBA-OCO-1000-1400-0011.	All project personnel
This SEP constitutes the approved Forest Practices Plan.	SEO
Weed and Pathogen Management	
<p>EP/OC Ref: 12 Weed and Pathogen Management (BBA-ENP/OCO-1000-1400-0012)</p> <p>Performance Criteria: All heavy construction machinery to be inspected on arrival at the site and certified weed and pathogen free prior to being allowed to commence work</p>	
Key Management Measures	Responsibility
Heavy machinery shall be cleaned of soil and other debris prior to arriving on site. Machinery will be inspected on arrival and, if certified weed & pathogen free, will be issued with a green tag to be affixed to the machine in a prominent position.	Superintendent
A heavy machinery hygiene certification register will be maintained and available for inspection by an authorised regulatory officer on request	SEO
Light vehicles progressing beyond the site car park and which will be leaving formed roads or surfaces must be clean of accumulated soil and mud	Superintendent
Cultural Heritage Management	

<p>EP/OC Ref: 13 Cultural Heritage Management (BBA-ENP/OCO-1000-1400-0013)</p> <p>Performance Criteria: Aboriginal and historic cultural heritage sites to be protected or managed according to the applicable regulatory requirements</p>		
Key Management Measures	Responsibility	
Salvage and relocation of Aboriginal heritage sites shall be undertaken only in accordance with a Permit by an Aboriginal Heritage Officer.	SEO	
TASI site 9896 shall be clearly flagged and protected from disturbance for the duration of construction activities	SEO	
If an unanticipated potential heritage site is discovered, then all work within 100m is to stop and the Contingency Protocol described in OCO-1000-1400-0013 will be implemented.	Superintendent	
Waste Management		
<p>EP/OC Ref: 14 Waste Management (BBA-ENP/OCO-1000-1400-0014)</p> <p>Performance Criteria: Ensure there are no potential hazards to human health and the environment as a result of waste generation and management for the construction phase of the Project. Minimise waste through the adoption of best practice waste reduction and disposal procedures.</p>		
Key Management Measures	Responsibility	
The site shall be maintained in a clean and tidy condition free of litter	Superintendent	
Waste generation on site shall be minimised, and wastes shall be reused or recycled, where practicable.	Superintendent	
Wastes shall be stored in designated receptacles on site.	Superintendent	
Non re-useable and recyclable wastes are to be classified and disposed of in accordance with the Government Guidelines.	Superintendent	
Construction wastes that cannot be recycled or reused are to be removed from site for disposal in cell A of the landfill site, when constructed. Putrescible waste to be disposed of via a licensed waste management contractor.	SEO	
Hazardous waste must be stored safely for collection by a licensed waste contractor and transported to a Government approved site for disposal.	SEO	
Light Escape Control		
<p>EP/OC Ref: 15 Light Escape Control (BBA-ENP/OCO-1000-1400-0015)</p> <p>Performance Criteria: No light escape complaints during construction from local communities. Minimise light escape impacts on migratory and threatened nocturnal species.</p>		
Key Management Measures	Responsibility	
Design site lighting to ensure there is minimal disturbance to the local community and nocturnal animal species.	Design Consultant	
Keep all temporary lighting directed internally towards site.	Superintendent	
Spill Management		
<p>EP/OC Ref: 16 Spill Management (BBA-ENP/OCO-1000-1400-0016)</p> <p>Performance Criteria: Adequate equipment on site and procedures to respond to any credible spill events In the event of a spill, rapid and coordinated deployment of response personnel and equipment should be demonstrated to minimise the risk of environmental harm</p>		
Key Management Measures	Responsibility	
Spill response equipment described in Attachment 1 of OCO-1000-1400-0016 shall be stored on site appropriate to the construction activity at the time	SEO	
All earthmoving machinery shall have immediate access to spill cleanup equipment sufficient for that machine	Superintendent	
The Site Spill Response Coordinator must be notified of any spills as soon as practical after they have occurred, to allow spill cleanup coordination	SEO	
Environmental Monitoring		
<p>Environmental Monitoring Program</p> <p>Performance Criteria: An approved surface and ground water monitoring programs must be implemented to allow prompt response to potential impacts on water quality A dust monitoring system and response process is to be established to minimise the risk of dust related nuisance Continuous noise monitors will be maintained at approved locations to assist with assessment and management of construction related noise at Rowella</p>		
Key Management Measures	Responsibility	
Surface water quality shall be monitored daily during construction at approved monitoring locations when the stream is flowing. If measured turbidity exceeds 130 NTU, a sample shall be taken for analysis for correlation against TSS Evidence of oil contamination at or near any drainage line will trigger collection of a water sample for hydrocarbon testing.	SEO	
An on site weather station will be established for monitoring wind speed and direction. A dust monitoring web cam will be installed at a location approved by the Director. Portable dust monitoring stations shall be located at nearby dust sensitive residences. Regular inspection of the automated dust detection system shall be undertaken in the event of a dust alert or complaint.	SEO	
Continuous noise monitoring equipment is to be installed at sensitive locations or as required by the Director EPA.	SEO	
A vibration monitor will be installed at a nearby sensitive residence at Rowella. Additionally, the blast contractor must provide on-site ground vibration and blast overpressure reports to Gunns for forwarding to the EPA within 24 hours of each blast event	SEO	
All construction related complaints will be investigated and assessed against project regulatory conditions. Remedial action will be taken if complaints are confirmed to be reasonable and warranted.	Superintendent	
Key Project Points of Contact		
Position	Name	Phone
Superintendent		
Site Environmental Officer		
Community Relations Officer		