

Appendix B  
Pulp mill site  
Construction - Site Environmental Plan  
BBA-SEP-1670-1400-0003 Pulp mill site and access road - plan

**Other Controls**

**Vegetation Clearing**

1. This SEP constitutes the approved Forest Practices Plan.
2. Vegetation clearing will segregate vegetation into two categories - (a) timber suitable for transport to the chip mills for chipping, and (b) vegetation not suitable for the chip mills but that instead will be chipped or mulched on-site using a mobile chipper and grinder.
3. The mobile chipper and grinder may move about the site as necessary for optimum efficiency.
4. To minimise noise impacts, operation of the mobile chipper and grinder must be restricted to between the hours of 6 am and 10 pm.

**Fences**

1. A permanent mill site boundary fence will be constructed, with a vehicle access track on the inside. The fence is to be 2 m high ringlock with three strand barbed wire, or similar. Where the toe of the batter is too close to the fence line, the fence construction may be delayed until the batters have been constructed. In this case the site impact boundary is to be clearly marked with construction tape.
2. A property boundary fence will be constructed. Details to be determined.

**Site drainage during vegetation clearing**

1. Contour drains (grips) will be progressively constructed during clearing operations. Grips will be spaced as per Table 6, page 40 of the Forest Practices Code (2000) to prevent channelling of surface flows. Cross drains will be constructed approximately at right angles to the water flow and have an outlet so that water discharges into the surrounding areas at a minimum distance of 50m from a stream channel or drainage line.
2. Vegetation clearing equipment will cease work on any section where:
  - soils are saturated and turbid water is flowing down a haul track for more than 10m or
  - soils are puddled forming mud or slurry along a haul track to a depth of more than 200mm over a section 20m or longer in length or
  - blading of mud or soil is required to maintain the trafficability of a haul track or
  - turbid water or mud is flowing from a haul track into a watercourse or
  - soils are rutted to a depth of more than 300mm below the original ground level over a 20m section or longer
 and immediate action will be taken to rectify the situation.
3. Haul tracks will be 'temporarily gripped' prior to any extended work shutdowns of 1 week or more.

**Site drainage during bulk earthworks**

1. As soon as practicable after vegetation clearing, the double sedimentation basin located near the centre of the site and the single sedimentation basin located at the wharf site will be constructed to their permanent specifications.
2. Earthworks on the southeastern half of the site will direct overland flow to the drainage line running to the double sedimentation basin near the centre of the site, as shown on this plan.
3. Earthworks on the northwestern half of the site will direct overland flow to the drainage line running along the access road to the wharf sedimentation basin, as shown on this plan.
4. Any other overland flow will be directed into vegetation a minimum of 50 m from a stream channel or drainage line.

**Sedimentation controls during bulk earthworks**

1. Silt fences or equivalent will be installed wherever the drainage of a work area's catchment enters a drainage line.
2. Intermediary silt fences or equivalent will be installed within a work area wherever soil appears to be particularly vulnerable to erosion or wherever the distance to the main drainage line exceeds 50 m.
3. Topsoil stockpiles will be covered with vegetation chippings to minimise erosion and they must be bordered on the downslope side by a silt fence.
4. Sedimentation basins will be batch flocculated to ensure that discharged suspended solids concentrations do not exceed 50 mg/L. A turbidity meter may be used to measure this once a sound relationship between suspended solids and turbidity has been established.
5. Sedimentation monitoring during construction will include daily inspections. If sedimentation basins appear likely to overflow within the next 24 hours turbidity measurements will be made. If turbidity measurements indicate a suspended solid concentration greater than 40mg/L flocculation will be used unless downstream filtration systems (e.g. filtersocks) are in place.

**Batter stability**

1. Perimeter batters will be hydromulched as soon as practicable after they have been formed.
2. Where inspections show particular vulnerability of periphery batters to erosion, jute matting will be installed.

**Refuelling and spill preparedness**

1. Earthmoving and other machinery may be refuelled on site from a mobile fuel tanker and a minimum of 50m from any stream or drainage line.
2. Machinery and the mobile fuel tanker must carry sufficient fuel spill response equipment to deal with any foreseeable fuel spill. Additional spill response equipment will be stored at the site office.
3. Any fuel tankers and lubricants stored on site must be in a bunded area a minimum of 50m from any stream or drainage line (including the estuary). Bunding will take into consideration natural ground features that may assist in containing any spillage.

**Solid and liquid wastes**

1. The site office will be provided with an ablutions block.
2. Effluent from the site office ablutions block will be tankered away for disposal at a municipal sewage treatment facility with the approval of the responsible council.
3. Segregated bins for recyclable and non-recyclable waste will be provided at strategic locations across the site.
4. Non-recyclable waste will be further segregated into hazardous and non-hazardous waste.
5. Recyclable waste will be taken to recycling facilities.
6. Non-recyclable waste that is inert will be taken to the pulp mill's construction waste landfill cell.
7. Non-recyclable waste that is hazardous will be taken to a municipal landfill approved to accept such wastes for disposal.

**Explosives**

1. Only the daily requirements for explosives may be stored on site at any one time.

**Sites of Aboriginal and European Heritage**

1. A minimum 10m exclusion zone will be established around the Big Stone Fence, the Big Bay Stone Piles and the Big Bay House sites.
2. Management measures are required if blasting is to occur within 50m of historic heritage places.
3. Specific locations of Aboriginal heritage should remain confidential and not be disclosed to other parties.
4. The area containing TASI 9896 must be subject to further investigation and management actions by the Aboriginal Heritage Office prior to disturbance.

Sources: Aboriginal and European heritage (Gunn's)  
 Mill site boundary and earth works (Gunn's)  
 Reserves (Gunn's)  
 Base data from the LST (C) State of Tasmania  
 Water monitoring points (Pitt&Sherry)  
 Gross pollutant trap (Pitt&Sherry)  
 Water controls (Pitt&Sherry)  
 Storage and laydown areas (Pitt&Sherry)  
 Exclusion Zones (Pitt&Sherry)  
 Esk Water Pipeline  
 Datum: GDA94 Projection: MGA94 zone 55  
 Produced by Pitt&Sherry (LMD) 20/12/2007  
 File Ref: J:\HOB\2007\101 - 150\H07118\GIS\H07118\_MillSite\_001\_revP.mxd



**Legend**

● aboriginalheritage_points_060630	● Surface water monitoring point	■ Gross Pollutant Trap with oil interceptor	● Historic heritage sites	■ Construction carpark	■ Laydown area
● Aboriginal artefact not to be disturbed	● Ground water monitoring point	— Esk Water Pipeline	■ Historic heritage exclusion zone	■ Chip stockpile from vegetation clearance	■ Onsite concrete batching
● Aboriginal artefact to be protected by fence	● Water controls	— Streams	— Rail	■ Construction waste storage	■ Rock stockpile
● Relocation to aboriginal heritage area required	— Mill site boundary - no disturbance outside	— Road (Sealed)	— Road (Unsealed)	■ Container storage	■ Site offices (including ablutions block)
— External boundary fence	— Site Boundary	— Millsite Earthworks	— Aboriginal heritage reserve	■ Hygiene washdown station	■ Topsoil stockpile
— Silt fencing	— Fire equipment storage	— Sedimentation basin access road	— Aboriginal heritage investigation required	■ Gunn's Reserve network (90ha within area covered by this plan)	■ State coastal reserve
— Direction of overland flow drainage paths	— Construction tape pending permanent fencing	—	— Aboriginal heritage exclusion zone	■ Tamar Estuary	
— Dissipation drainage					

0 50 100 200 300 400 500 Metres

**Pulp Mill & Access Road SEP - Construction**

EIMP Module B - Mill site vegetation clearing 1 February 2008 Appendix B